CURRICULUM VITAE

**Marco Antonio Marra**

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at BC Cancer.
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Citizenship: Canada

## AREAS OF EXPERTISE:

genomics, bioinformatics, genetics, epigenomics, cancer biology

## EDUCATION:

| Start Date | End Date | Institution | Degree | Supervisor |
|---|---|---|---|---|
| 09/1989 | 09/1994 | Simon Fraser University | PhD (Genetics) | Dr. David Baillie |
| 09/1984 | 05/1989 | Simon Fraser University | BSc (Molecular & Cell Biology) | |

PhD Thesis Title: Genome analysis in *Caenorhabditis elegans*: Genetic and molecular identification of genes tightly linked to *unc-22*(IV).

## ACADEMIC EMPLOYMENT HISTORY:

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| 04/2023 | Present | Member, Michael Smith Laboratories, University of British Columbia |
| 07/2007 | Present | Professor, Department of Medical Genetics, University of British Columbia |
| 04/2009 | Present | Distinguished Scientist, BC Cancer Research Institute, BC Cancer |
| 04/2002 | 11/2022 | Director, Canada's Michael Smith Genome Sciences Centre, BC Cancer |
| 06/2000 | 04/2023 | Associate Member, Michael Smith Laboratories, University of British Columbia |
| 01/2015 | 08/2020 | Head, Department of Medical Genetics, Faculty of Medicine, University of British Columbia |
| 01/2011 | 06/2018 | Co-Founder & Co-Director, Genome Science and Technology Graduate Program, University of British Columbia |
| 07/2002 | 06/2007 | Associate Professor, Department of Medical Genetics, University of British Columbia |
| 01/2001 | 12/2015 | Adjunct Professor, Department of Molecular Biology and Biochemistry, Simon Fraser University |
| 10/2000 | 04/2002 | Co-Director (Scientific), Genome Sequence Centre, BC Cancer Agency |
| 02/2000 | 06/2002 | Adjunct Professor, Department of Medical Genetics, University of British Columbia |
| 10/1999 | 03/2009 | Senior Scientist, BC Cancer Research Centre, BC Cancer Agency |
| 10/1999 | 09/2000 | Associate Director, Genome Sequence Centre, BC Cancer Agency |
| 10/1999 | 09/2000 | Head, Mapping and Sequencing, Genome Sequence Centre, BC Cancer Agency |
| 09/1998 | 09/1999 | Research Faculty Instructor, Washington University School of Medicine (St. Louis, MO) |
| 09/1996 | 09/1999 | Group Leader, Genome Fingerprinting and Mapping Teams, Genome Sequencing Center (St. Louis, MO) |
| 09/1994 | 09/1999 | Group Leader, EST Sequencing Team, Genome Sequencing Center (St. Louis, MO) |
| 12/1994 | 09/1998 | Postdoctoral Research Associate, Washington University School of Medicine (St. Louis, MO) |

## HONORS, AWARDS, SCHOLARSHIPS, AND FELLOWSHIPS:

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| 12/18/2024 | Order of Canada | The Governor General of Canada |
| 10/01/2023 to 09/30/2028 | Terry Fox Leader in Cancer Genome Science Award | Terry Fox Research Institute |
| 2022 | Research Partnership Award: HostSeq & CanCOGen | Canadian Association of Research Administrators |
| 11/2021 | Highly Cited Researcher and named as one of the 2021 World's Most Influential Scientific Minds | Clarivate Analytics |
| 11/2020 | Highly Cited Researcher and named as one of the 2020 World's Most Influential Scientific Minds | Clarivate Analytics |
| 06/2020 | 2020 Team Science Award | American Association for Cancer Research |
| 04/2020 | Canadian Medical Hall of Fame | Canadian Medical Association |
| 11/2019 | Highly Cited Researcher and named as one of the 2019 World's Most Influential Scientific Minds | |
| 02/2019 | Dr. Don Rix Lifetime Achievement Award | LifeSciences BC |
| 11/2018 | Highly Cited Researcher for 2018 and named as one of the 2018 World's Most Influential Scientific Minds | Clarivate Analytics |
| 11/2017 | Highly Cited Researcher and named as one of the 2017 World's Most Influential Scientific Minds | Clarivate Analytics |
| 07/2017 | Outstanding Achievements in Cancer Research Award | Canadian Cancer Research Alliance |
| 12/2016 | Highly Cited Researcher and named as one of the 2016 World's Most Influential Scientific Minds | Thomson Reuters |
| 06/2016 | 2016 BC Health Care Award of Merit for Collaborative Solutions (for BC Cancer Agency's Personalized Onco-Genomics Project, co-led with Dr. Janessa Laskin) | Health Employers Association of British Columbia |
| 12/2015 | Highly Cited Researcher and named as one of the 2015 World's Most Influential Scientific Minds | Thomson Reuters |
| 09/2015 | Dr. Chew Wei Memorial Prize in Cancer Research | University of British Columbia |
| 06/2014 | Highly Cited Researcher and named as one of the 2014 World's Most Influential Scientific Minds | Thomson Reuters |
| 01/2014 | 2013 Killam Research Prize | University of British Columbia |
| 11/2012 | Medal of Merit Award | The International Association of Lions Clubs |
| 05/2012 | Distinguished Achievement Award | Faculty of Medicine, University of British Columbia |
| 11/2010 | Terry Fox Medal | British Columbia Medical Association |
| 10/2010 | Order of British Columbia | Province of British Columbia |
| 07/2010 to 06/2024 | UBC Canada Research Chair in Genome Science | Canadian Institutes of Health Research |
| 04/2010 | Genome BC Award for Scientific Excellence | LifeSciences BC |
| 09/2009 | Fellow | Canadian Academy of Health Sciences |
| 09/2008 | Frontiers in Research Award | British Columbia Innovation Council |

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| 07/2007 | Distinguished Achievement Award (Excellence in Basic Science Research) | Faculty of Medicine, University of British Columbia |
| 06/2007 | Fellow | Medical Sciences Division, Royal Society of Canada |
| 04/2007 | Merck Frosst Prize | Canadian Society of Biochemistry and Molecular & Cellular Biology |
| 10/2006 to 09/2011 | Career Investigator Award (Senior Scholar level) | Michael Smith Foundation for Health Research |
| 07/2006 | Faculty Merit Award | Department of Medical Genetics, University of British Columbia |
| 06/2006 | President's 40th Anniversary Award | Simon Fraser University |
| 06/2005 | Honorary Degree, Doctor of Laws | University of Calgary |
| 05/2005 | The Best of the Best of Canada's Top 40 Under 40 | The Caldwell Partners International |
| 06/2004 | Terry Fox Young Investigator Award | National Cancer Institute of Canada |
| 06/2004 | Honorary Degree, Doctor of Science | Simon Fraser University |
| 03/2004 | Innovation and Achievement Award (awarded to entire GSC staff) | LifeSciences BC (formerly BC Biotech) |
| 10/2001 to 09/2006 | Career Investigator Award (Scholar level) | Michael Smith Foundation for Health Research |
| 09/2001 | Top 40 Under 40 Award | Business in Vancouver |
| 07/2000 | Notable Canadian 35 and Under | The Globe and Mail |
| 03/2000 | Canada's Top 40 Under 40 Award | The Caldwell Partners International |
| 12/1999 | Outstanding Alumni Award for Academic Achievement | Simon Fraser University |
| 09/1994 | University Graduate Fellowship | Simon Fraser University |
| 12/1993 | President's PhD Research Stipend | Simon Fraser University |
| 12/1989 | Pre-doctoral Scholarship | Natural Sciences and Engineering Research Council of Canada |
| 12/1989 | Special Graduate Research Fellowship | Simon Fraser University |

*Named Lectures*

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| 1. | The Beatrice Hunter Cancer Research Institute's Picchione Seminar Series. (Virtual). Halifax, NS. Mar 2, 2021. "Towards a Canadian national program for comprehensive genomic profiling of treatment resistant cancer." |
| 2. | Arthur and Sonia Labatt Brain Tumour Research Centre Annual Lectureship. (Virtual). University of Toronto. Toronto, ON. Jan 20, 2021. "Towards a Canadian national program for comprehensive genomic profiling of treatment resistant cancer." |
| 3. | University of Alberta, Department of Oncology. Dr. Carol Cass Lecture in Translational Research in Oncology, Edmonton, AB. May 24, 2013. "Decoding cancers". |
| 4. | University of Toronto, Faculty of Medicine. DSR Sarma Lectureship in Oncologic Pathology, Toronto, ON. Sep 24, 2012. "Decoding cancers". |

**BRIEF BIOSKETCH:**

Dr. Marra is the UBC Canada Research Chair in Genome Science, and a member of the Order of British Columbia. He is a Canadian Medical Hall of Fame awardee and a recipient of: the 2019 Don Rix Lifetime Achievement Award, the 2017 Canadian Cancer Research Alliance's Outstanding Achievements in Cancer Research Award, the 2015 Dr. Chew Wei Memorial Prize in Cancer Research, a 2013 UBC Killam Research Prize, a 2012 UBC Faculty of Medicine Distinguished Achievement Award, and the Medal of Merit Award from the International Association of Lions Clubs. He was elected to the Canadian Academy of Health Sciences in 2009; received the Frontiers in Research

Award from the BC Innovation Council in 2008; and was appointed a Fellow of the Royal Society of Canada in 2007. He was a recipient of a Genome BC Award for Scientific Excellence, a MSFHR Career Investigator Senior Scholar Award, and Simon Fraser University President's 40th Anniversary Award. In 2004, he received a Terry Fox Young Investigator Award and BC Biotech's Innovation and Achievement Award (together with the entire GSC staff) for sequencing the SARS coronavirus genome.

Dr. Marra's contributions to genome science led to an honorary Doctor of Science degree from Simon Fraser University in 2004 and an honorary Doctor of Laws degree from the University of Calgary in 2005.

**COMMITTEE INVOLVEMENT:**

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| 2023 – Present | Co-Chair, Canada's Michael Smith Genome Sciences Centre Scientific Leadership Group |
| 2023 – Present | Co-Chair, Hiring Plan Committee, Michael Smith Laboratories, University of British Columbia |
| 2023 – Present | Co-Chair, IT Committee, Michael Smith Laboratories, University of British Columbia |
| 02/2023 – Present | Member, TFRI Marathon of Hope Cancer Centre Network Research Council; Network Council; Canadian Spectrum Working Group; and Open Accrual Working Group |
| 03/2023 – Present | Co-Chair, Council of Expert Advisors (CEA), Government of Canada |
| 11/2022 – Present | Member, Department of Medical Genetics Graduate Awards Committee, University of British Columbia |
| 06/2021 – Present | Co-Lead, TFRI Marathon of Hope Cancer Centre Network BC2C Consortium |
| 04/2020 – Present | Member, GSC@ MSL Scientific Steering Committee, University of British Columbia |
| 09/2019 – Present | Co-Chair, TFRI Marathon of Hope Cancer Centre Network Technology Working Group |
| 10/2017 – Present | Member, Northern Biobanking Scientific Advisory Committee, The University of Northern British Columbia |
| 01/2011 – Present | Member, Steering Committee, Genome Science and Technology Graduate Program, University of British Columbia |
| 01/2011 – Present | Member, Admissions Committee, Genome Science and Technology Graduate Program, University of British Columbia |
| 10/2023 – 04/2024 | Member, Faculty Search Committee, Michael Smith Laboratories, University of British Columbia |
| 01/2023 – 05/2024 | Member, Leukemia and Lymphoma Society (USA) PedAL Biomarker Discovery Leadership team |
| 01/12/2023 | Participant, Department of Medical Genetics Canada Research Chair Adjudication Committee, University of British Columbia |
| 04/2022 – 04/2024 | Member, Genome BC Jurisdictional Health Framework Working Group |
| 06/2021 – 02/2023 | Member, TFRI Marathon of Hope Cancer Centre Network Steering Committee |
| 04/2021 – 03/2023 | Member, Provincial Genomics Discipline Committee, Provincial Laboratory Medicine Services, Provincial Health Services Authority |
| 04/2020 – 2022 | Member, COVID-19 Clinical Operations and Research Task Force, and COVID Research Coordination Executive Governance Group, University of British Columbia |
| 09/2018 – 2022 | Member, Healthy Aging Chair Search Committee, Faculty of Medicine, University of British Columbia |
| 09/2017 – 2022 | Member, Research Executive Committee, BC Cancer Research Institute, BC Cancer |
| 08/2019 – 2020 | Member, Precision Health Program Advisory Council, Digital Technology Supercluster |
| 12/2018 – 12/2019 | Member, Genetic Services Priorities and Impact Assessment Sub-Committee (PIA-G), BC's Agency for Pathology and Laboratory Medicine, Provincial Health Services Authority |
| 05/2018 – 09/2018 | Member, Biochemistry and Molecular Biology Search Committee, Faculty of Medicine, University of British Columbia |
| 10/2017 – 04/2021 | Member, Search Committee, UBC President's Chair in Precision Oncology, University of British Columbia |
| 09/2017 – 06/2019 | Member, Search Committee for Provincial Medical Genetics Program Medical Director, BC Women's Hospital and Health Centre, Provincial Health Services Authority |

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| 09/2017 | Member, Nomination Committee, Cancer Control Research Department, BC Cancer Research Centre, BC Cancer |
| 06/2017 – 12/2018 | Member, BC Cancer Research Strategic Planning Committee, BC Cancer |
| 03/2017 – 10/2019 | Member, Health Sector Advisory Council, Genome British Columbia |
| 12/2015 – 07/2016 | Member, VP Research Search Advisory Committee, BC Cancer Agency |
| 11/2015 – 10/2016 | Member, Interim Research Operations Committee, BC Cancer Research Centre, BC Cancer Agency |
| 10/2015 – 12/2017 | Member, Genomics England-Genome British Columbia Steering Committee |
| 09/2015 – 06/2016 | Member, MD Undergraduate Education Committee, University of British Columbia |
| 08/2015 – 11/2016 | Member, Health Innovation Strategic Advisory Board, Business Council of British Columbia |
| 07/2015 – 12/2016 | Member, Research Seminar Series Committee, BC Cancer Research Centre |
| 05/2015 – 06/2016 | Member, Dr. Chew Wei Prize Advisory Selection Committee, University of British Columbia |
| 02/2015 – 05/2016 | Member, Scientific Advisory Board, Cancer Genome Collaboratory Project, Ontario Institute for Cancer Research |
| 01/2015 – 08/2020 | Member, Medical Genetics Graduate Program Advisory Committee, University of British Columbia |
| 01/2015 – 08/2020 | Member, Genetics Counselling Program Advisory Committee, University of British Columbia |
| 12/2014 – 05/2015 | Member, Selection Committee, BC Cancer Agency President Search, Provincial Health Services Authority |
| 11/2014 – 09/2022 | Member, Scientific Advisory Board, Foundation for Burkitt Lymphoma Research |
| 11/2014 –12/2015 | Member, Genome BC Health Strategy Task Force |
| 02/2014 – 09/2016 | Member, Board of Directors, Michael Smith Foundation for Health Research |
| 01/2013 – 11/2015 | Member, BC Cancer Agency Research Advisory Council |
| 01/2012 – 06/2013 | Member, Provincial Health Services Authority Research Advisory Council |
| 09/2012 – 01/2013 | Member, Search Committee for New TFL Scientist, Terry Fox Laboratory, BC Cancer Agency |
| 2011 | Member, Research Seminar Series Committee, BC Cancer Research Centre |
| 2011 | Member, Planning Committee, TCGA 1st Inaugural Scientific Symposium |
| 11/2010 – 2023 | Member, Executive Committee, and BC Node Leader, Terry Fox Research Institute |
| 2010 – 11/30/2011 | Member, Scientific Program Committee, The Canadian Cancer Research Conference, Toronto, ON |
| 2009 – 06/2016 | Member, TCGA Steering Committee, The Cancer Genome Atlas, National Cancer Institute/National Human Genome Research Institute, National Institutes of Health |
| 2009 – 06/2016 | Co-Chair, The Cancer Genome Atlas (TCGA) Lymphoma Disease Working Group, National Cancer Institute, National Institutes of Health |
| 08/2009 – 07/2011 | Member, Faculty Awards Committee, University of British Columbia |
| 2009 – 2010 | Member, NHGRI Informatics and Analysis Planning Committee, National Institutes of Health |
| 2008 | Member, Organizing Committee, ICGC, Canadian Cancer Genome Workshop |
| 2008 | Member, Genome Canada SIAC 1000 Genomes Working Group |
| 2007 – 06/2016 | Member, International Scientific Steering Committee, International Cancer Genome Consortium (ICGC) |
| 2007 – 2011 | Member, Scientific Planning Committee (Genome Analyses), ICGC |
| 2007 – 2009 | Member, Scientific Advisory Committee, Joint Genome Institute, US Department of Energy |
| 2007 | Member, Scientific Advisory Board, Heflin Center for Human Genetics, The University of Alabama at Birmingham |
| 2006 – 11/2013 | Member, Board of Directors, Advances in Genome Biology and Technology Conference, Marco Island, FL |
| 2006 – 2009 | Member, Discovery Council, British Columbia Cancer Research Centre, BC Cancer Agency |

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| 2006 – 2007 | Member, Local Organizing Committee, HUGO's 12th Human Genome Annual Meeting, Montreal, QC |
| 2005 – 2009 | Member, Genome Canada Scientific Advisory Board (for vervet monkey physical mapping project) |
| 2005 – 2008 | Member, External Advisory Board, National Stem Cell Bank, National Institutes of Health |
| 2005 – 2006 | Member, Organizing Committee, 7th Annual Advances in Genome Biology and Technology Conference, Marco Island, FL |
| 2005 | Member, Genome British Columbia Education Advisory Committee |
| 07/2005 | Chair, National Human Genome Research Institute Review Panel ZHGI HGR-P(02) for BAC Library Production RFA, National Institutes of Health |
| 2004 – 2008 | Member, Oncology Advisory Council, BC Cancer Agency |
| 2004 | Member, Strategic Plan Implementation Council, BC Cancer Agency |
| 2004 | Member, Strategic Plan Steering Committee: Leader of Clinical/Functional/Translational Oncology Task Force; Member of Institutes Process Task Force, BC Cancer Agency |
| 2003 – 2006 | Member, Genome Research Review Committee, National Human Genome Research Institute (NHGRI), National Institutes of Health |
| 2003 – 2005 | Member, Biomedical Research Trainee Evaluation Committee (Junior Graduate Studentship Sub-Committee), Michael Smith Foundation for Health Research |
| 2003 | Member, Cancer Control Research Unit, Inaugural Research Unit, Michael Smith Foundation for Health Research |
| 2002 – 2006 | Member, Steering Committee, CIHR/MSFHR Bioinformatics Training Program, University of British Columbia |
| 2002 – 2003 | Canadian Scientific Representative, NHGRI International Sequencing Consortium, National Institutes of Health |
| 08/2003 | Member, Scientific Committee, 10th World Conference on Lung Cancer, Vancouver, BC |
| 2002 – 2003 | Chair, Genome British Columbia, President's Scientific Advisory Committee (PSAC) |
| 2002 | Genome Canada Search Committee: Director, Science and Technology platforms |
| 2001 – 2004 | Member, Joint Animal Facility Management Committee, BC Cancer Agency |
| 2001 | Member, Planning Committee, Genomics in Health and Disease Conference |
| 2000 – 2005 | Member, Research Executive, British Columbia Cancer Research Centre, BC Cancer Agency |
| 2000 – 2002 | Member, Biotechnology Facilities Planning Committee, University of British Columbia |
| 2000 | Co-Chair, Genome British Columbia Genotyping Planning Committee |
| 2000 | Chair, Genome British Columbia DNA Sequencing Planning Committee |
| 2000 | Member, Program Development Team, Strategy Committee, Genome Canada |
| 1999 – 2003 | Member, Genomics Projects Selection Panel, Natural Sciences and Engineering Research Council of Canada |
| 1999 – 2001 | Member, Orion Genomics L.L.C. Scientific Advisory Board |
| 1999 | Member, Advisory Board, Advances in Genome Biology and Technology Conference, Marco Island, FL |
| 1997 – 2000 | Member, Cancer Genome Anatomy Project (CGAP) Steering Committee, National Cancer Institute, National Institutes of Health |

## REVIEWER ACTIVITIES

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| 12/2023 – Present | Co-Chair, Ontario Institute for Cancer Research External Review, Ontario Ministry of Colleges and Universities |
| 09/2020 – Present | Reviewer, Canada Research Chairs Program, Government of Canada |
| 06/2015 – Present | Member, College of Reviewers, Canadian Institutes of Health Research |
| 12/2023 – 01/2024 | Reviewer, NCI Intramural Cancer Data Science Innovation Laboratory |
| 11/2023 – 03/2024 | Member, AACR Basic Cancer Research Grants Scientific Review Committee |

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| 08/2020, 02/2019, 05/2018, 02/2015, 02/2014, 01/2013, 03/2011 | Reviewer, The Alvin J. Siteman Cancer Research Fund, Washington University School of Medicine |
| 01/2017 | Reviewer, John R. Evans Leaders Fund, Canada Foundation for Innovation |
| 11/07/2014 | Reviewer, KiKA Program Application 181 (Stichting Kinderen Kankervrij' (Foundation Children Cancerfree), The Netherlands |
| 02/2013 & 03/2014 | Reviewer, The Royal Society |
| 2007 – 2008 | Member, College of Reviewers, Canadian Institutes of Health Research |

**CONFERENCE PARTICIPATION (as chair / panelist / moderator / organizer)**

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| 11/2022 | Chair, Plenary Session, 9th TFRI Annual Scientific Meeting, Vancouver, BC |
| 11/2022 | Member, 9th TFRI Annual Scientific Meeting Organizing Committee, Vancouver, BC |
| 11/2022 | Member, 9th TFRI Annual Scientific Meeting Abstract and Poster Committee, Vancouver, BC |
| 01/15/2021 | Co-Chair, Bioinformatics on Cancer Session, 1st International Symposium of CCII - Bioinformatics and its application to cancer and other diseases. (Virtual) Kyoto, Japan. |
| 11/03/2020 | Panelist, Data Science: How do you use it in health research? Data Science & Health 2020 Conference. (Virtual). University of British Columbia, Vancouver, BC. |
| 06/24/2019 | Panelist, Personalized Medicine and Oncology Session, 19th Annual International Healthcare Summit, The Future of Personalized Medicine, Genomics and Innovation, Kelowna, BC |
| 11/04/2017 | Co-Chair, Plenary I: Cancer Biology, TFRI's 8th Annual Scientific Meeting, Vancouver, BC |
| 04/2015 – 07/2016 | Member, International Scientific Advisory Committee, 2016 IUBMB Conference, Vancouver, BC |
| 10/2015 – 05/2016 | Chair, Scientific Organizing Committee, TFRI's 7th Annual Scientific Meeting, Vancouver, BC |
| 06/2015 – 11/2015 | Member, Program Committee, 2015 Canada Gairdner Symposium, Vancouver, BC |
| 2011-2016; 2018-2019; 2021-2022 | Organizer, TFRI Research Day, Vancouver, BC |
| 11/30/2011 | Session Chair, The Optics of 'Omics, The Canadian Cancer Research Conference, Toronto, ON |
| 06/22/2011 | Symposium Chair, Keystone Symposia: Changing Landscape of the Cancer Genome, Boston, MA |
| 04/19/2010 | Session Chair, High Throughput Genomic and Computational Biology, 3rd Annual Canadian Human Genetics Conference, Montreal, QC |
| 03/14/2009 | Industry Panelist, 4th Canadian Student Conference in Biomedical Computing, Vancouver, BC |
| 10/22/2008 | Session Chair - Human Genetic Variation, Genome Canada International Conference, Vancouver, BC |
| 10/01/2007 | Moderator, Tumor Characterization Technologies Session; International Cancer Genomics Consortium Meeting, Toronto, ON |
| 05/2007 | Co-Chair, Large-Scale Genomics Workshop, HUGO's 12th Human Genome Annual Meeting, Montreal, QC |
| 04/13/2007 | Chair, Technology Discussion, Genome BC Genomics Forum, Vancouver, BC |
| 11/2006 | Member of the Lymphoma Panel Discussion, Knowledge Translation, 2006 BC Cancer Agency Annual Cancer Conference, Vancouver, BC |
| 02/2002 | Session Chair, Mammalian Genetics, 3rd Annual Advances in Genome Biology and Technology Conference, Marco Island, FL |

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| 11/2002 | Scientist Chair, Translating our science into cancer care, Session on Genomics, 2002 BC Cancer Agency Annual Cancer Conference, Vancouver, BC |

**PUBLIC OUTREACH / SERVICE:**

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| 12/19/2024 | Interview with Stephen Quinn on CBC The Early Edition regarding the Order of Canada appointment. https://www.cbc.ca/listen/live-radio/1-91-the-early-edition/clip/16116964-vancouver-scientist-named-order-canada |
| 03/11/2024 | Interview with Susie Brown from Let's Talk Science (in partnership with the Royal Society of Canada) on their project that involves content review for a program they are developing called *DNA Biotechnology Workshop.* Reviewed/edited the Biotech Manual in July 2024. |
| 08/21/2023 | Co-hosted the Honourable Brenda Bailey (BC Minister of Jobs, Economic Development and Innovation and Member of the Legislative Assembly for Vancouver-False Creek) during her visit to Canada's Michael Smith Genome Sciences Centre. |
| 01/27/2023 | Interview with Stuart McNish, Conversations that Matter. *Personalized Cancer Genomics*. https://youtu.be/xeOL_w3eZ0E https://vancouversun.com/health/conversations-that-matter-personalizing-cancer-treatment |
| 12/09/2022 | Personalized OncoGenomics (POG) 10th Anniversary Panel Discussion: The Future of Cancer Genomic Medicine. Moderator: Stuart McNish, Host of *Conversations That Matter* and *Conversations Live*. |
| 11/07/2022 | Recorded interview, Terry Fox Research Institute Marathon of Hope Cancer Centres Network: The Roadmap to Cure Cancer |
| 07/28/2022 | Canada Foundation for Innovation. *A Promising Future Now*. https://www.youtube.com/watch?v=Te4EITQxjPY |
| 04/2022 | Participant, Data Effect – Digital Roundtable, CityAge / Genome BC |
| 11/11/2020 | Live phone interview with Gloria Macarenko, CBC Radio's On the Coast, *Preparing for the Next Wave: Technology to Detect and Analyze SARS-CoV-2* https://www.cbc.ca/listen/live-radio/1-46-on-the-coast |
| 04/2020 | Featured in the ICGC ARGO News – ICGC Impact Makers Series (https://www.icgc-argo.org/news/11/icgc-impact-makers-series-marco-marra-canada-) |
| 09/20/2019 | Hosted the Honourable John Horgan, Premier of British Columbia, during his visit to Canada's Michael Smith Genome Sciences Centre |
| 03/14/2019 | Hosted Honorable Jody Wilson-Raybould's visit to Genome Sciences Centre, following a successful funding provided to Dr. Inanc Birol and team, from Genome Canada. |
| 11/30/2018 | Interview with Stuart McNish, *Conversations That Matter: The Legacy of Nobel Laureate Michael Smith*. https://www.youtube.com/watch?v=2eLeBvwhz3M https://vancouversun.com/news/local-news/conversations-that-matter-the-legacy-of-a-b-c-nobel-winner |
| 09/20/2018 | Interview with Randy Shore, Vancouver Sun, *How Michael Smith put B.C.'s life sciences community on the map with a Nobel Prize 25 years ago.* https://vancouversun.com/news/local-news/how-michael-smith-put-b-c-s-life-sciences-community-on-the-map-with-a-nobel-prize-25-years-ago |
| 07/10/2018 | Participated in a documentary about Dr. Nadine Caron & the Northern Biobank initiative https://www.youtube.com/watch?v=BI6Kc8zPw6c |
| 06/2018 | Featured in the *Faces of the Genome* book published by Cold Spring Harbor Laboratory Press. This book celebrates scientists who are explorers of the vast arrays of genes ("genomes") that underpin the biology of humans and every other organism. This book portrays 62 outstanding scientists, who have had an extraordinary influence on our current understanding of biology, evolution, and medical science. https://www.cshlpress.com/image.tpl?img=FacesGenome_f.jpg |

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| 04/05/2017 | The Personalized OncoGenomics Project (POG) featured by Canadian Institutes of Health Research: *Researcher Profiles, Cancer Awareness Month. Is it possible to create personalized cancer treatments?* http://cihr-irsc.gc.ca/e/50284.html#s1 |
| 04/04/2017 | Participated in a panel discussion at YPO Gold Event (POG Research Update at the BC Cancer Research Centre) |
| 02/23/2017 | POG featured on CBC Nature of Things with Dr. David Suzuki, *Cracking Cancer* http://www.cbc.ca/natureofthings/episodes/cracking-cancer |
| 12/07/2016 | Interview with Deborah Grainger, Journal of Precision Medicine, *Revolutionizing health care in British Columbia with precision medicine.* http://www.thejournalofprecisionmedicine.com/archive-manager/revolutionizing-healthcare-in-british-columbia-with-precision-medicine/ |
| 12/2016 | Profiled by BC Cancer, *BC Cancer Agency scientists among World's Most Influential Scientific Minds* http://www.bccancer.bc.ca/about/news-stories/stories/bc-cancer-agency-scientists-listed-among-world%E2%80%99s-most-influential-scientific-minds |
| 11/04/2016 | Interview with Theral Timpson of Mendel's Pod on how to scale cancer genomics http://mendelspod.com/podcasts/cancer-genomics-canada-marco-marra-ubc/ |
| 09/06/2016 | Interview with Matt Hoekstra with Peace Arch News re. Terry Fox Run http://www.peacearchnews.com/news/393311821.html#.V92SSNfGXMY.email |
| 07/19/2016 | Member of the Treehouse Childhood Cancer Initiative, a group that advocates and is committed to sharing patient genomic information in real time, to benefit children with cancer. |
| 03/08/2016, 05/26/2015, & 11/03/2014 | Organizer of the 2nd, 3rd, & 4th TFRI BC Node-MLA Dinner Events to dialogue with MLAs on the role of research on health and cancer control in British Columbia |
| 04/15/2015 | Interview with Brendan McAleer, Vancouver Sun, *Iconic Terry Fox van endures long after Marathon of Hope.* http://driving.ca/ford/auto-news/news/iconic-terry-fox-van-endures-long-after-marathon-of-hope |
| 11/07/2014 | Panelist at the Second Annual BC Business Summit "Building BC for the 21st Century - Innovation in Infrastructure", Vancouver, BC |
| 11/03/2014 | Interview with Sher-e-Punjab Radio with Kiran Aulakh re: POG |
| 10/02/2014 | Interview with Tamara Taggart of CTV re. POG |
| 07/09/2014 | Interview with Amanda Smith, The Peak, *SFU scientists recognized as "World's Most Influential Scientific Minds"*. http://newspapers.lib.sfu.ca/peak-2091/peak |
| 06/23/2014 & 05/01/2014 | Participated in the planning exercise being conducted by research partnership between Northern Health, UNBC, and PHSA to enhance the way health research contributes to better health care and better health outcomes in Northern BC. |
| 06/20/2014 | Interview with Ivan Semeniuk, Globe and Mail, *World's Most Influential Scientific Minds* |
| 06/18/2014 | Meeting with Minister Andrew Wilkinson and Deputy Minister John Jacobson of the Ministry of Technology, Innovation and Citizens' Services, Province of British Columbia. |
| 04/22/2014 | Iinterview with Randy Shore, Vancouver Sun, *Tumour cell genome studies give rise to individualized therapy.* http://www.vancouversun.com/health/tumour+cell+genome+studies+give+rise+individualized+therapy/9802620/story.html |
| 03/31/2014 | Participated in Genome BC's Lunch and Learn Event for BC Legislature Members |
| 12/05/2013 | Panelist, Data and Discovery: How Technology and Analytics Are Driving Innovation session, The Data Effect. |
| 11/2013 | Profiled in International Innovation Magazine, *Dr. Marco Marra, Director of Canada's Michael Smith Genome Sciences Centre* (North America issue; Nov 2013). |

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| | http://www.research-europe.com/index.php/2013/11/dr-marco-marra-director-canadas-michael-smith-genome-sciences-centre/ |
| 10/24/2013 | Profiled in Vancouver Sun, Special Report: *Medical research is injecting life back into health sciences* (topic: personalized medicine; Nov 2, 2013). |
| 10/2013 | Profiled in National Cancer Institute's Office of Cancer Genomics, *Dr. Marco Marra: Pioneer and Visionary in Cancer Genomics Research.* https://ocg.cancer.gov/news-publications/e-newsletter-issue/issue-10 |
| 03/13/2013 | Interview for the Guide Outfitters Association of British Columbia's DNA project. |
| 02/21/2013 | Interview with CBC Radio Early Edition, *10th Anniversary of SARS* (aired on Mar 7th, 2013). |
| 02/05/2013 | Invited attendee at the Genome BC meeting with Minister of Health, Dr. Margaret MacDiarmid. |
| 12/04/2012 | Provided testimony and took questions from the House of Commons Standing Committee on Health (Topic: A study of technological innovation, including best practices, in health care in Canada. Sub-topic: Genomics). |
| 07/25/2012 | Interviews for CKWX News 1130 and Vancouver Sun re. medulloblastoma article published in *Nature*. |
| 09/2009 | Participated in BC's Ministry of Small Business, Technology & Development's Research and Innovation Roundtable Discussion. |
| 03/2009 | Featured in *Nature*'s article about personalized genomics/medicine. |
| 11/2006 | Participated in Genome Canada's Genomics on the Hill Exhibition, Parliament Hill, Ottawa. |
| 09/2006 | Participated in the Premier's Technology Council Roundtable that discussed how British Columbia can realize the optimum economic and social benefit of technology commercialization. |
| 08/14/2006 | Interview with CBC Radio French Program re. Bovine genome press release. |
| 05/2006 | On the air telephone interview with CBC Radio's On the Coast with Priya Ramu re. potential patient benefits of the Science & Technology Platform funding from Industry Canada. |
| 02/2004 | Featured in Vancouver Sun, *People who give us hope for the world* (Feb 5, 2004 issue) |
| 2003–2004 | Profiled in The GEEE! In GENOME Exhibit, as one of 20 Canadian experts. |

## AWARD NOMINATIONS

| Year | Name of Award | Role |
|---|---|---|
| 2024 | Health Research Foundation Medal of Honour | Co-nominator |
| 2024 | Canadian Medical Hall of Fame | Provided a reference letter |
| 2023 | Royal Society of Canada | Primary Nominator |
| 2023 | Canadian Cancer Society Robert L. Noble Award | Primary Nominator |
| 2023 | Canadian Cancer Research Alliance Outstanding Achievements in Cancer Research Award | Primary Nominator |
| 2022 | Royal Society of Canada | Primary Nominator |
| 2022 | University of British Columbia Faculty of Applied Science Dean's Medal of Distinction | Primary Nominator |
| 2022 | Canadian Medical Hall of Fame | Primary Nominator |
| 2021 | YWCA Women of Distinction Award | Primary Nominator |
| 2021 | Canadian Cancer Society Bernard and Francine Dorval Prize | Primary Nominator |
| 2021 | Doctors of BC Terry Fox Medal | Primary Nominator |
| 2021 | Order of British Columbia | Nominator |
| 2020 | Canadian Cancer Society Inclusive Excellence Prize | Nominator |
| 2020 | Canadian Cancer Society Bernard and Francine Dorval Prize | Nominator |
| 2020 | Royal of Society of Canada Fellowship | Primary nominator |
| 2020 | Canadian Cancer Society Bernard and Francine Dorval Prize | Provided a reference letter |
| 2020 | Canada Research Chair Tier 2 renewal | Provided a reference letter |
| 2020 | Royal of Society of Canada Fellowship | Provided a reference letter |
| 2020 | Genome BC Award for Scientific Excellence | Nominator |
| 2020 | Japan Prize | Provided a reference letter |

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|---|---|---|
| 2020 | McGill University Principal's Prize for Outstanding Emerging Researcher | Provided a reference letter |
| 2019 | Royal Society of Canada, College of New Scholars, Artists and Scientists | Provided a reference letter |
| 2019 | Canadian Cancer Society Robert L. Noble Prize | Provided a reference letter |
| 2019 | Royal of Society of Canada | Co-nominator |
| 2018 | Canada Research Chair Tier 2 application | Provided a reference letter |
| 2018 | Canadian Cancer Society Bernard and Francine Dorval Prize | Provided a reference letter |
| 2018 | Royal Society of Canada, College of New Scholars, Artists and Scientists | Provided a reference letter |
| 2018 | Terry Fox Medal Award | Co-nominator |
| 2018 | Royal of Society of Canada Fellowship | Primary nominator |
| 2018 | Royal of Society of Canada Fellowship | Co-nominator |
| 2017 | Canada Research Chair Tier 2 application | Provided a reference letter |
| 2017 | University of British Columbia Killam Mentoring Award | Nominator |
| 2017 | Ontario Ministry of Research, Innovation and Science Early Researcher Award | Provided a reference letter |
| 2016 | Research Canada Leadership Award | Nominator |
| 2016 | Bill and Marilyn Webber Lifetime Achievement Award | Nominator |
| 2016 | Royal of Society of Canada Fellowship | Primary nominator |
| 2015 | University of British Columbia Killam Research Prize | Co-nominator |
| 2014 | Dan David Prize | Nominator |
| 2014 | Canadian Academy of Health Sciences Fellowship | Primary nominator |
| 2013 | Canadian Cancer Society Robert L. Noble Prize | Nominator |
| 2012 | University of British Columbia Killam Teaching Prize | Nominator |
| 2012 | Simon Fraser University Distinguished Community Leadership Award | Nominator |
| 2011 | Simon Fraser University Outstanding Alumni Award | Nominator |
| 2011 | Royal of Society of Canada Fellowship | Co-nominator |
| 2011 | Order of BC | Provided a reference letter |
| 2011 | Simon Fraser University Distinguished Community Leadership Award | Nominator |
| 2011 | Royal of Society of Canada Fellowship | Primary nominator |
| 2011 | University of British Columbia Killam Research Prize | Co-nominator |
| 2010 | International Society for Computational Biology Overton Prize | Nominator |
| 2010 | Royal of Society of Canada Fellowship | Co-nominator |
| 2010 | Eric Jenett Project Management Excellence Award | Nominator |
| 2009 | Simon Fraser University Outstanding Alumni Award | Nominator |
| 2008 | Terry Fox Young Investigator Award | Nominator |
| 2007 | Genome BC Award for Scientific Excellence | Nominator |
| 2006 | Canada's Top 40 Under 40 | Nominator |
| 2004 | Simon Fraser University Outstanding Alumni Award | Nominator |

## EDITORIAL RESPONSIBILITIES:

| | |
|---|---|
| 2004 – 2009 | Member, Editorial Committee, ***Annual Review of Genomics and Human Genetics*** |
| 2000 – 2003 | Associate Editor, Editorial Board, ***Physiological Genomics*** |
| 1999 – 2005 | Member, Editorial Board, ***Genome Research*** |

## SOCIETY MEMBERSHIPS:

| | |
|---|---|
| 2015 – Present | Canadian Hematology Society |

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|---|---|
| 2006 – Present | American Society of Hematology |
| 2005 – Present | The American Society of Human Genetics |
| 2005 – Present | American Association for Cancer Research |
| 2004 – Present | The American Association for the Advancement of Science |
| 2008 – 2009 | Human Genome Variation Society |

**TEACHING (Lectures):**

| Date | Program / Course number | Hours taught | Class size |
|---|---|---|---|
| 02/09/2024 | MEDG 505 (Genome Analysis) | 3.0 | 15 |
| 04/04/2023 | STAT540 (Statistical Methods for High Dimensional Biology | 1.5 | |
| 03/31/2023 | MEDD 448 Transition into Postgraduate Education and Medical Practice | 1.0 | 295 |
| 03/25/2023 | MEDG 595 – Emerging Genomics Topics | 1.0 | ~10 |
| 02/17/2023 (2022W2) | MEDG 505 (Genome Analysis) | 3.0 | 18 |
| 12/07/2022 | MEDG 595 Learning Lounge | 1.0 | 25 |
| 10/24/2022 (2021W1) | MEDG 420 (Human Genomics & Medical Genetics) | 2.0 | ~17 |
| 04/08/2022 (2021W2) | MEDD 448 Transition into Postgraduate Education and Medical Practice | 1.0 | ~288 |
| 02/18/2022 (2021W2) | MEDG 505 (Genome Analysis) | 3.0 | 18 |
| 12/07/2021 (2021W1) | MEDG 595 (Emerging Genomics Topics Certificate Program) | 1.0 | 14 |
| 04/15/2021 & 04/22/2021 (2020W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 3.0 | 14 |
| 04/13/2021 (2020W2) | MEDG 595 (Emerging Genomics Topics Certificate Program) | 1.0 | 43 |
| 03/05/2021 (2020W1) | MEDG 505 (Genome Analysis) | 3.0 | 17 |
| 11/16/2020 (2020W1) | MEDG 420 (Human Genomics and Medical Genetics) | 2.0 | 17 |
| 11/03/2020 | Data Science & Health 2020 Conference (Data Science: How to Use it in Health Research, Topic: Applications in Personalized Oncogenomics) | 20 min | N/A |
| 03/13/2020 (2019W2) | MEDG 505 (Genome Analysis) | 3.0 | 22 |
| 11/06/2019 (2019W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 22 |
| 04/02/2019 (2018W2) | Science One | 1.0 | 66 |
| 01/31/2019 & 01/24/2019 (2018W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 3.0 | 7 |
| 11/07/2018 (2018W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 16 |
| 03/16/2018 (2017W2) | MEDG5 05 (Genome Analysis) | 3.0 | 12 |

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|---|---|---|---|
| 03/08/2018 & 03/01/2018 (2017W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 2.5 | 14 |
| 10/23/2017 (2017W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 12 |
| 03/09/2017 & 03/02/2017 (2016W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 2.5 | 10 |
| 02/03/2017 (2016W2) | MEDG 505 (Genome Analysis) | 3.0 | 18 |
| 11/09/2016 (2016W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 12 |
| 03/03/2016 & 02/25/2016 (2015W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 2.5 | 10 |
| 01/29/2016 (2015W2) | MEDG 505 (Genome Analysis) | 3.0 | 14 |
| 12/02/2015 (2015W1) | MBB 801 interview (featured faculty for this seminar course focused on career development)<br>Simon Fraser University | 1.0 | 9 |
| 11/04/2015 (2015W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 18 |
| 03/27/2015 (2014W2) | MEDG 505 (Genome Analysis) | 3.0 | 12 |
| 04/02/2015 & 03/26/2015 (2014W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 3.0 | 11 |
| 11/05/2014 (2014W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 16 |
| 04/03/2014 & 03/27/2014 (2013W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 3.0 | 14 |
| 01/31/2014 (2013W2) | MEDG 505 (Genome Analysis) | 3.0 | 19 |
| 10/30/2013 (2013W2) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 14 |
| 03/28/2013 & 03/21/2013 (2012W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 3.0 | 18 |
| 03/08/2013 (2012W2) | MEDG 505 (Genome Analysis) | 3.0 | 18 |
| 10/03/2012 (2012W1) | MEDG 420 (Human Genomics & Medical Genetics) | 1.5 | 18 |
| 03/30/2012 (2011W2) | MBB 446/746 (Cancer Genetics and Cell Death/Survival)<br>Simon Fraser University | 2.0 | 50 |
| 03/20/2012 (2011W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 2.5 | 15 |
| 01/27/2012 (2011W2) | MEDG 505 (Genome Analysis) | 3.0 | 21 |
| 01/25/2012 (2011W2) | MEDG 420 (Human Genomics & Medical Genetics) | 1.0 | 17 |

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|---|---|---|---|
| 03/21/2011 (2010W2) | GSAT 502 (Advanced Concepts in Genome Science and Technology) | 2.5 | 6 |
| 03/04/2011 (2010W2) | MEDG 505 (Genome Analysis) | 3.0 | 19 |
| 02/28/2011 (2010W2) | MEDG 420 (Human Biochemical & Molecular Genetics) | 2.0 | 16 |
| 03/25/2010 (2009W2) | Science One | 1.0 | 63 |
| 03/12/2010 (2009W2) | MEDG 505 (Genome Analysis) | 3.0 | 22 |
| 02/10/2010 (2009W2) | MEDG 420 (Human Biochemical & Molecular Genetics) | 2.0 | 14 |
| 12/07/2009 & 11/30/2009 (2009W1) | GENE 502 (Genetics) | 1.5 | 10 |
| 04/02/2009 (2008W2) | MEDG 421 (Genetics & Cell Biology of Cancer) | 1.5 | 32 |
| 03/23/2009 (2008W2 | MEDG 420 (Human Biochemical & Molecular Genetics) | 1.5 | 18 |
| 02/26/2009 (2008W2) | Science One | 1.0 | 73 |
| 02/13/2009 (2008W2) | MEDG 505 (Genome Analysis) | 3.0 | 21 |
| 11/13/2008 (2008W1) | MBB 440/839 (Special Topics in Molecular Biology & Biochemistry – Cell Death & Cell Survival)<br>Simon Fraser University | 2.0 | 35 |
| 04/10/2008 (2007W2) | Science One (Title: Personal Genomics) | 1.0 | 73 |
| 03/26/2008 (2007W2) | MEDG 420 (Human Biochemical & Molecular Genetics) | 1.0 | 16 |
| 02/01/2008 (2007W2) | MEDG 505 (Genome Analysis) | 3.0 | 17 |
| 03/23/2007 (2006W2) | MEDG 505 (Genome Analysis) | 3.0 | 18 |
| 03/12/2007 (2006W2) | MEDG 521 (Molecular & Cell Biology of Cancer) | 1.5 | 24 |
| 01/17/2007 (2006W2) | MEDG 420 (Human Biochemical & Molecular Genetics | 2.0 | 22 |
| 03/16/2006 (2005W2) | MEDG 505 (Genome Analysis) | 3.0 | 24 |
| 03/06/2006 (2005W2) | MEDG 521 (Molecular & Cell Biology of Cancer) | 1.5 | 20 |
| 01/09/2006 (2005W2) | MEDG 420 (Human Biochemical & Molecular Genetics) | 2.0 | 20 |
| 02/2005 (2004W2) | MEDG 505 (Genome Analysis) | 3.0 | 20 |
| 01/2005 (2004W2) | MEDG 420 (Human Biochemical & Molecular Genetics) | 4.0 | 20 |
| 02/26/2004 (2003W2) | ISCI 4481 (Medical Innovation & Healthcare Politics) | 2.0 | - |
| 2003 | MEDG 505 (Genome Analysis) | 3.0 | - |

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|---|---|---|---|
| (2003W2) | | | |
| 2002 (2001W2) | MEDG 505 (Genome Analysis) | 3.0 | - |
| 03/30/2000 (1999W2) | GENE 502 (Genetics) | 1.5 | 16 |
| 1992 | Biology 302 and Biology 401 (Biochemistry) Simon Fraser University | - | - |
| 1990 | Biology 302 (Genetic Analysis) Simon Fraser University | - | - |
| 1988 | Biology 302 (Genetic Analysis) Simon Fraser University | - | - |

## CONTRIBUTIONS TO THE TRAINING OF HIGHLY QUALIFIED PERSONNEL:

### ROTATION STUDENTS

| From | To | Student | Role | Program |
|---|---|---|---|---|
| 03/07/2016 | 05/06/2016 | Emma Titmuss | Rotation supervisor | MSc (Genome Science and Technology Program), UBC |
| 01/05/2015 | 04/30/2015 | James Topham | Rotation supervisor | MSc (CIHR Bioinformatics Program), UBC |
| 09/01/2013 | 07/31/2014 | Rebecca Johnson | Temporary supervisor | MSc (CIHR Bioinformatics Program), UBC |
| 03/04/2013 | 05/03/2013 | Adi Steif | Rotation supervisor | MSc (Genome Science and Technology), UBC |
| 03/2012 | 05/2012 | Marlo Firme | Rotation supervisor | MSc (Genome Science and Technology), UBC |
| 03/2012 | 05/2012 | Tejomayee Singh | Rotation supervisor | MSc (Genome Science and Technology), UBC |
| 01/2011 | 04/2011 | Emilia Lim | Rotation supervisor | Rotation Student (CIHR Bioinformatics Program), UBC |
| 09/2009 | 08/2010 | Yaojie Chen | Rotation supervisor | MSc (CIHR Bioinformatics Program), UBC |
| 05/2009 | 08/2009 | Rodrigo Goya | Rotation supervisor | Rotation Student (CIHR Bioinformatics Program), UBC |
| 01/2009 | 04/2009 | Bora Uyar | Rotation supervisor | Rotation Student (CIHR Bioinformatics Program), SFU |
| 10/2009 | 12/2010 | Mark Okada | Rotation supervisor | Rotation Student (CIHR Bioinformatics Program), SFU |
| 09/2008 | 12/2008 | Andrew McPherson | Rotation supervisor | Rotation Student (CIHR Bioinformatics Program), SFU |
| 09/2007 | 12/2006 | Olena Morozova | Rotation supervisor | Rotation Supervisor (CIHR Bioinformatics Program), UBC |
| 01/2006 | 04/2006 | Ryan Morin | Rotation supervisor | Rotation Supervisor (CIHR Bioinformatics Program), UBC |

### GRADUATE STUDENTS

| Years | Student / Research area | Program |
|---|---|---|
| 09/07/2021 – Present | Xiao Yu (Cathy) Yan | PhD (Genome Science and |

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|---|---|---|
| | **Research area:** Single-cell analysis of metastatic non-small cell lung cancer | Technology Program) |
| 09/07/2021 – Present | Signe MacLennan<br><br>**Research area:** ecDNAs in HPV+ and HPV- cervical and head and neck cancers | PhD (Medical Genetics Graduate Program) |
| 01/02/2019 – 03/15/2024 | Yuka Takemon<br><br>**Research area**: *In silico* discovery of cancer cell vulnerabilities<br><br>**Current position**: Research Associate, Genome Sciences Centre, Michael Smith Laboratories, University of British Columbia | PhD (Genome Science and Technology Program) |
| 02/13/2018 – 02/20/2024 | Vanessa Porter<br><br>**Research area**: Discovery of HPV-Associated Genomic Alterations in Cervical Cancer<br><br>**Current position:** Postdoctoral Fellow, Genome Sciences Centre, BC Cancer | PhD (Medical Genetics Graduate Program) |
| 10/03/2016 – 01/30/2023 | Su min (Lisa) Wei<br><br>**Research area**: Characterizing gene expression patterns associated with heterogeneity and relapse in pediatric acute myeloid leukemia<br><br>**Current position:** Computational Biologist, Dana-Farber Cancer Institute, Boston, MA | MSc (Bioinformatics Graduate Program) |
| 09/02/2014 – 09/12/2021 | Veronique LeBlanc<br><br>**Research area:** Genomic Characterization of Inter- and Intra-Tumour Heterogeneity in Primary Adult Diffuse Gliomas and Associated Disease Models<br><br>**Current position:** Network Program Manager and Scientific Writer, Terry Fox Research Institute | PhD (Genome Science & Technology Program |
| 09/01/2012 – 12/17/2020 | Hye-Jung (Elizabeth) Chun<br><br>**Research area**: Molecular Characterization of Rhabdoid Tumours from Multiple Anatomical Sites<br><br>**Current position**: Research Associate, Peter Park Lab, Harvard Medical School | PhD (Bioinformatics Graduate Program) |
| 09/06/2016 – 06/02/2020 | Stephen Dongsoo Lee<br><br>**Research area:** Characterization of the Effects of CIC Loss and Neomorphic IDH1 Mutation on the Transcriptome and Epigenome<br><br>**Current position**: Informatics Analyst, Zymeworks Inc | MSc (Genome Science & Technology Program) |

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|---|---|---|
| 09/06/2016 – 04/06/2018 (Withdrawn) | Anna Cavalla<br><br>**Research area:** Characterizing Cancer Transcriptomes at the Single Cell Level | MSc (Bioinformatics Graduate Program) |
| 05/09/2016 – 07/13/2018 | Emma Titmuss<br><br>**Research area:** A case study of apparent immune activation following treatment of a colorectal cancer patient with an angiotensin receptor blocker<br><br>**Current position**: Bioinformatician, Medical Oncology, BC Cancer | MSc (Genome Science and Technology Program) |
| 09/2009 – 12/2017 | Rodrigo Goya *(co-supervised with Dr. Irmtraud Meyer)*<br><br>**Research area:** Bioinformatic Approaches for Identifying Single Nucleotide Variants and Profiling Alternative Expression in Cancer Transcriptomes<br><br>**Current position**: Bioinformatics Engineer, AbCellera | PhD (Bioinformatics Graduate Program) |
| 09/2015 – 08/2017 | James Topham<br><br>**Research area:** Comprehensive and Integrative Analysis of the KMT2D Regulome<br><br>**Current position**: Head of Bioinformatics, Pancreas Centre BC | MSc (Bioinformatics Graduate Program) |
| 05/2012 – 12/2014 | Marlo Firme<br><br>**Research area**: The Regulatory Landscape of the Glioma-associated Transcription Factor Capicua.<br><br>**Current position**: Vancouver lead for the Citizens' Climate Lobby (volunteer work) | MSc (Genome Science & Technology Program) |
| 09/2011 – 03/31/2016 | Emilia Lim<br><br>**Research area**: miRNA Sequence Analysis Reveals Cancer Subtypes That Correlate With Tumour Characteristics and Patient Outcomes<br><br>**Current position**: Assistant Professor, Biochemistry and Molecular Biology, University of British Columbia | PhD (Bioinformatics Graduate Program) |
| 09/2011 – 04/30/2015 | Ryan Huff<br><br>**Research area**: Generation and Characterization of a Lysine (K)-Specific Methyltranferase 2D Knockout Human Cell Line<br><br>**Current position:** PhD student, University of British Columbia | MSc (Medical Genetics Graduate Program) |
| 09/2010 – 06/26/2015 | Julia (Pon) Naso<br><br>**Research area**: The MEF2B Regulatory Network<br><br>**Current position**: Anatomic Pathologist, Rochester, MN | MD/ PhD Program |

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|---|---|---|
| 09/2008 – 01/2012 | Ryan Morin<br><br>**Research area**: Mutation Discovery and Characterization in Lymphoid Neoplasms using Massively Parallel RNA and DNA Sequencing<br><br>**Current position**: Professor, Molecular Biology and Biochemistry, Simon Fraser University; Distinguished Scientist, Genome Sciences Centre, BC Cancer | PhD (Bioinformatics Graduate Program) |
| 09/2006 – 06/2012 | Olena Morozova<br><br>**Research area**: Genomic studies of the normal and malignant neural crest<br><br>**Current position:** Associate Professor, Molecular, Cell, & Development Biology, University of California, Santa Cruz | PhD (Bioinformatics Graduate Program) |
| 09/2005 – 12/2007 | Jaswinder Khattra<br><br>**Research area**: Cloning and annotation of novel transcripts from human ES cells<br><br>**Current position**: Clinical Molecular Diagnostics Scientist, Molecular Diagnostics, Vancouver, Canada | MSc (Genetics Graduate Program) |
| 09/2005 – 10/2007 | Ryan Morin<br><br>**Research area**: Methods for microRNA profiling and discovery using massively parallel sequencing<br><br>**Current position**: Professor, Molecular Biology and Biochemistry, Simon Fraser University; Distinguished Scientist, Genome Sciences Centre, BC Cancer | MSc (Bioinformatics Graduate Program) |
| 09/2004 – 12/2010 | Sorana Morrissy (formerly Anca Petrescu)<br><br>**Research area**: Bioinformatic Analysis of Cis-Encoded Antisense Transcription<br><br>**Current position**: Assistant Professor, Biochemistry and Molecular Biology, University of Calgary | PhD (Genetics Graduate Program) |
| 09/2004 – 01/2010 | Malachi Griffith<br><br>**Research area**: Methods for transcript variant discovery and alternative expression analysis – application to the study of fluorouracil resistance in colorectal cancer<br><br>**Current position:** Associate Professor, Washington University School of Medicine in St. Louis; and Assistant Director, The Elizabeth H. and James S. McDonell Genome Institute | PhD (Medical Genetics Graduate Program) |
| 09/2004 – 12/2009 | Trevor Pugh<br><br>**Research area**: Analysis of primary human cancers: from single genes to whole transcriptomes | PhD (Medical Genetics Graduate Program) |

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|---|---|---|
| | **Current position**: Associate Professor, University of Toronto; Senior Scientist, Princess Margaret Cancer Centre; Senior Investigator & Director, Genomics, Ontario Institute for Cancer Research | |
| 09/2003 – 07/2012 | Noushin Farnoud<br><br>**Research area**: Computational Tools for CNV Detection Using Probe-level Analysis of Affymetrix SNP Arrays - Application to the Study of CNVs in Follicular Lymphoma<br><br>**Current position:** Senior Bioinformatics Engineer II, Memorial Sloan-Kettering Cancer Center | PhD (Genetics Graduate Program) |
| 09/2003 – 08/2008 | Ying-Chen (Claire) Hou *(co-supervised with Dr. Sharon Gorski)*<br><br>**Research area**: Molecular mechanisms underlying the crosstalk between autophagy and apoptosis<br><br>**Current position**: ABMGG Fellow, Laboratory Genetics and Genomics at Washington University School of Medicine in St. Louis | PhD (Genetics Graduate Program) |
| 01/2002 – 05/2008 | Suganthi Chittaranjan *(co-supervised with Dr. Sharon Gorski)*<br><br>**Research area**: A functional genomics approach identifies novel genes involved in steroid hormone-induced programmed cell death in *Drosophila*.<br><br>**Current position**: Staff Scientist, Genome Sciences Centre, BC Cancer | PhD (Genetics Graduate Program) |
| 09/2001 – 07/2008 | Ian Bosdet *(co-supervised with Dr. Sharon Gorski)*<br><br>**Research area**: Identification of echinus and characterization of its role in Drosophila eye development<br><br>**Current position:** Clinical Assistant Professor, UBC; Molecular Geneticist, BC Cancer | PhD (Genetics Graduate Program) |
| 09/2001 – 12/2005 | Angelique Schnerch *(co-supervised with Dr. Steven Jones*)<br><br>**Research area**: Analysis of Undifferentiated Human Embryonic Stem Cell Lines using Serial Analysis of Gene Expression<br><br>**Current position:** Works at Arcadis (formerly IBI Group Architects) | MSc (Medical Genetics Graduate Program) |

## POSTDOCTORAL FELLOWS

| **Dates** | **Fellow / Current Position** | **Research Topic** |
|---|---|---|
| 02/21/2024 – Present | Vanessa Porter | Discovery of HPV-Associated Genomic Alterations in Cervical Cancer |

| | | |
|---|---|---|
| 01/04/2022 – Present | Michelle Ng | 3D Genome Architecture in cervical cancer |
| 09/13/2021 – 09/13/2022 | Veronique LeBlanc<br><br>**Current position**: Network Program Manager and Scientific Writer, Terry Fox Research Institute | Multi-omic characterization of glioblastoma multiforme |
| 09/01/2020 – 07/31/2023 | Sander Lambo<br><br>**Current position**: Postdoctoral Fellow, Dana-Farber Cancer Institute, Boston, MA | Single cell genomics of primary, remission and relapsed pediatric AML |
| 10/31/2016 – 09/30/2023 | Dan Jin<br><br>**Current position**: Research Associate, Marra lab, Michael Smith Laboratories, University of British Columbia | The regulomes and transcriptomes of malignant rhabdoid tumpurs |
| 03/01/2021 – 10/15/2021 | Hye-Jung (Elizabeth) Chun<br><br>**Current position**: Research Associate, Peter Park Lab, Harvard Medical School, Boston, MA | Rhabdoid tumour genomics |
| 12/02/2013 – 11/27/2018 | Alessia Gagliardi | Genomic heterogeneity of cervical cancer |
| 04/01/2016 – 03/31/2017 | Emilia Lim<br><br>**Current position**: Assistant Professor, Biochemistry and Molecular Biology, UBC | Comprehensive Sequence Analysis of Pediatric Acute Myeloid Leukemia |
| 02/11/2014 – 02/10/2017 | Isabel Serrano-Martinez<br><br>**Current position**: Managing Director, Marathon of Hope Cancer Centres Network, Terry Fox Research Institute | FOXO1 mutations are associated with inferior survival in DLBCL |
| 07/2012 – 02/28/2013 | Noushin Farnoud<br><br>**Current position:** Senior Bioinformatics Engineer II, Memorial Sloan-Kettering Cancer Center | Software development for copy number analysis |
| 01/2012 – 07/2012 | Ryan Morin<br><br>**Research title:** Genomic characterization of Diffuse Large B Cell Lymphoma patients and cell lines<br><br>**Current position**: Professor, Molecular Biology and Biochemistry, Simon Fraser University; Distinguished Scientist, Genome Sciences Centre, BC Cancer | Diffuse large B-cell lymphoma |
| 11/2011 – 03/31/2016 | Farah Zahir<br><br>**Research title**: Massively Parallel Genomic Sequencing for Clinical Identification of Mutations That Cause Intellectual Disability<br><br>(co-supervised with Jan Friedman) | Genomic diagnostics |

| | | |
|---|---|---|
| | **Current position**: Honorary Associate Member, Department of Medical Genetics, University of British Columbia | |
| 01/2011 – 09/2011 | Sorana Morrissy<br><br>**Research title**: Bioinformatic analysis of the relationship between natural antisense transcription and alternative splicing in cancer<br><br>**Current position**: Assistant Professor, Biochemistry and Molecular Biology, University of Calgary | Antisense transcription and alternative splicing |
| 03/2010 – 02/2011 | Malachi Griffith<br><br>**Research title**: Alternative transcript diversity in models of cancer progression<br><br>**Current position:** Associate Professor, Washington University School of Medicine in St. Louis; and Assistant Director, The Elizabeth H. and James S. McDonell Genome Institute | Alternative splicing |
| 09/2009 – 10/30/2015 | Jill Mwenifumbo<br><br>**Research title**: The evolution of 5-FU drug resistance in colorectal cancer<br><br>**Current position**: Bioinformatician, CAUSES Research Clinic, BC Children's Hospital Research Institute | Colorectal cancer |
| 09/2009 – 09/30/2012 | Maria Mendez-Lago<br><br>**Research title**: Functional characterization of EZH2 mutations<br><br>**Current position**: Head of Genomics, Core Facilities and Technology, Institute of Molecular Biology, Mainz, Germany | Follicular lymphoma |
| 01/2009 – 02/2010 | Ian Bosdet<br><br>**Research title:** Genome analysis of pre- and post-treatment lung cancers from patients in a phase II clinical trial of first-line erlotinib<br><br>**Current position:** Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, UBC; Clinical Scientist, BC Cancer | Lung Cancer |
| 05/2004 – 03/2006 | Sean Rogers<br><br>**Research title**: Gene expression of hESC | Gene Expression |
| 12/2003 – 03/2006 | Deryck Persaud<br><br>**Research title**: Cloning & characterization of novel hESC genes | DNA Mapping |

| | | |
|---|---|---|
| | **Current position:** Owner, Infogenetica Bioinformatics, and Biotechnology Consultant | |
| 02/2000 – 10/2003 | Gregory Vatcher<br><br>**Current position:** Senior Scientist, Gene AC, Beijing, China | Functional Genomics |

**TRAINEE SCHOLARSHIPS & FELLOWSHIPS:**

| **Date** | **Trainee** | **Award** | **Granting Agency** | **CDN$** |
|---|---|---|---|---|
| 01/01/2024 - 12/31/2026 | **Signe MacLennan** | CIHR Canada Graduate Scholarship (Doctoral) | CIHR | 105,000 |
| 09/01/2023 – 09/01/2026 | **Michelle Ng, PhD** | Fellowship | CIHR | 120,000 +15,000 R&T |
| 09/01/2023 – 08/31/2026 | **Michelle Ng, PhD** | Research Trainee Award | MSHRBC | 89,250 +2,250 R&T |
| 09/01/2021 – 08/31/2024 | **Sander Lambo, PhD** | Research Trainee Award | MSHRBC | 135,000 + 13,500 R&T |
| 09/01/2021- 08/31/2022 | **Signe MacLennan** | CIHR Canada Graduate Scholarship (Master's) | CIHR | 17,500 |
| 09/01/2022 – 08/31/2023 | **Cathy Yan** | CIHR Canada Graduate Scholarship (Master's) | CIHR | 17,500 |
| 2020-2022 | **Yuka Takemon** | President's Academic Excellence Initiative PhD Award | UBC | 1,080 |
| 09/01/2019 - 08/31/2023 | **Yuka Takemon** | Four-Year Doctoral Fellowship | UBC | 72,800 + full tuition |
| 09/01/2019 - 08/31/2023 | **Yuka Takemon** | International Tuition Award | UBC | Full tuition |
| 09/01/2019 - 08/31/2010 | **Su min (Lisa) Wei** | BC Graduate Scholarship | UBC | 15,000 |
| 05/06/2019 | **Yuka Takemon** | Faculty of Science Graduate Award (2019S session) | UBC | 1,858.92 |
| 05/06/2019 | **Yuka Takemon** | International Tuition Award (2019S session) | UBC | 1,066.66 |
| 01/03/2019 | **Yuka Takemon** | International Tuition Award (2018W session) | UBC | 1,066.67 |
| 01/02/2019 | **Yuka Takemon** | Faculty of Science Graduate Award (2018W session) | UBC | 1,801.56 |
| 04/2018 – 08/2018 | **Ishika Luthra** | BC Cancer Studentship | BC Cancer | 6,000 |
| 01/2018 - 03/2020 | **Vanessa Porter** | CIHR Canada Graduate Scholarship (Doctoral Award) | CIHR | 90,000 + 1,500 R&T |
| 01/2018 – 12/2021 | **Vanessa Porter** | UBC Four Year Fellowship | UBC | 22,000/yr |
| 11//2016 – 05//2017 | **Hye-Jung (Elizabeth) Chun** | Roman M. Babicki Fellowship in Medical Research | UBC | 25,000 |

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| 09/2016 – 08/2018 | **Veronique LeBlanc** | Killam Doctoral Scholarship | UBC | 50,000 + 2,000 R&T |
| 05/01/2016 – 04/30/2019 | **Veronique LeBlanc** | Vanier Canada Graduate Scholarship | CIHR | 50,000/yr |
| 05/01/2016 – 04/30/2020 | **Veronique LeBlanc** | Four-Year Fellowship | UBC | 18,200 |
| 09/01/2015 – 04/30/2016 | **Emilia Lim** | PhD Student Fellowship | UBC | 12,133.34 |
| 05/01/2015 – 04/30/2016 | **Veronique LeBlanc** | Canada Graduate Scholarship (Master's) | CIHR | 17,500 |
| 09/2014 – 08/2015 | **Veronique LeBlanc** | Faculty of Science Graduate Award | UBC | 4,555 |
| 09/01/2012 – 08/31/2013 | **Ryan Huff** | Frederick Banting and Charles Best Canada Graduate Scholarship (Master's) | CIHR | 17,500 |
| 09/01/2012 – 08/31/2013 | **Farah Zahir, PhD** | Bluma Tischler Postdoctoral Fellowship | UBC | 20,400 |
| 09/01/2012 – 08/31/2015 | **Emilia Lim** | Frederick Banting and Charles Best Canada Graduate Scholarship (Doctoral Award) | CIHR | 35,000/yr |
| 07/01/2012 – 06/30/2015 | **Farah Zahir** | Postdoctoral Fellowship | CIHR | 40,000/yr |
| 05/01/2012 – 04/30/2015 | **Julia Pon** | Vanier Canada Graduate Scholarship | CIHR | 50,000/yr |
| 05/01/2012 – 08/31/2012 | **Daisy Ji** | BC Cancer Studentship | BCCF/CBCF | 6,000 |
| 09/03/2011 – 04/30/2012 | **Olena Morozova** | Roman M Babicki Fellowship in Medical Research | UBC | 20,000 |
| 09/01/2011 – 08/31/2013 | **Maria Mendez-Lago, PhD** | Postdoctoral Fellowship | MSFHR | 35,000/yr + 4,000 R&T |
| 09/01/2011 – 08/31/2014 | **Rodrigo Goya** | Vanier Canada Graduate Scholarship | CIHR | 50,000/yr |
| 09/01/2011 – 08/31/2014 | **Jill Mwenifumbo, PhD** | Postdoctoral Fellowship | MSFHR | 58,334 + 5,333 R&T |
| 08/01/2011 – 07/31/2013 | **Farah Zahir, PhD** | NeuroDevNet Postdoctoral Fellowship | NeuroDevNet | 20,000/yr + 2,500 R&T |
| 408/01/2011 – 08/31/2012 | **Maria Mendez-Lago, PhD** | Estancias de movilidad posdocto ral en centros extranjeros del Programa Nacional de Movilidad de Recursos Humanos de Investigación | Ministerio de Educacion de España | 30,960 Euro/yr |
| 05/01/2011 – 04/30/2013 | **Jill Mwenifumbo, PhD** | Postdoctoral Fellowship | CIHR | 45,000/yr |
| 05/2011 – 06/2011 | **Pierre Cheung** | BC Cancer Studentship | BCCF/CBCF | 6,000 |
| 09/01-2010 – 08/31/2016 | **Julia Pon** | Scriver Family MD/PhD Studentship Award | CIHR | 14,667/yr |
| 09/01/2009 – 08/31/2013 | **Ryan Morin** | Doctoral Fellowship | UBC | 80,000 |
| 10/2009 – 09/2011 | **Ryan Morin** | Senior Graduate Studentship | MSFHR | 14,000 |

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| 07/2009 | **Pierre Cheung** | BC Clinical Genomics Network Studentship | BCCGN | 3,750 |
| 05/01/2009 – 04/30/2012 | **Ryan Morin** | Vanier Canada Graduate Scholarship | CIHR | 50,000/yr |
| 04/2009 – 08/2009 | **Alison Lee** | BC Cancer Studentship | BCCF | 5,400 |
| 09/01/2008 – 03/31/2011 | **Olena Morozova** | Alexander Graham Bell Canada Postgraduate Scholarship - Doctoral | NSERC | 105,000 |
| 09/01/2008 – 08/31/2010 | **Olena Morozova** | Junior Graduate Studentship | MSFHR | 19,000 |
| 09/01/2008 – 08/31/2010 | **Malachi Griffith** | Research Studentship | NCIC | 45,000 + 3,000 R&T |
| 05/01/2008 – 04/30/2010 | **Jaswinder Khattra** | Senior Graduate Studentship | MSFHR | 38,250 |
| 09/01/2007 – 08/31/2008 | **Olena Morozova** | Julie Payette Postgraduate Scholarship – Master's | NSERC | 25,000 |
| 05/01/2007 – 04/30/2010 | **Trevor Pugh** | Senior Graduate Studentship | MSFHR | 67,500 |
| 56 04/01/2007 – 10/31/2007 | **Ryan Morin** | Junior Graduate Studentship | MSFHR | 22,500 |
| 09/01/2006 – 08/31/2009 | **Malachi Griffith** | Senior Graduate Studentship | MSFHR | 21,000 + 6,000 R&T |
| 09/01/2006 – 08/31/2009 | **Sorana Morrissy** | Doctoral Research Award | CIHR | 105,000 |
| 09/01/2006 – 03/31/2007 | **Trevor Pugh** | University Graduate Fellowship | UBC | 16,000 |
| 01/012006 – 01/01/2009 | **Trevor Pugh** | PhD Tuition Award | UBC | 11,358 |
| 2006 | **Trevor Pugh** | IG Grants for Short-Term Competition | CIHR | 5,800 |
| 10/01/2005 – 10/01/2006 | **Trevor Pugh** | Lung Cancer Research Fellowship | Eli Lilly Canada (BCCA) | 37,000 |
| 09/01/2005 – 08/31/2006 | **Sorana Morrissy** | Graduate Scholarship - Master's | CIHR | 17,500 |
| 04/01/2005 – 05/31/2007 | **Sorana Morrissy** | Junior Graduate Studentship | MSHFR | 25,458 |
| 09/01/2004 – 08/31/2008 | **Malachi Griffith** | Postgraduate Scholarship - Doctoral | NSERC | 80,300 |
| 09/01/2004 – 08/31/2008 | **Malachi Griffith** | PhD Tuition Award | UBC | 12,800 |
| 09/01/2004 – 08/31/2006 | **Malachi Griffith** | Junior Graduate Studentship | MSFHR | 50,000 |
| 09/01/2004 – 08/31/2005 | **Malachi Griffith** | Graduate Entrance Scholarship | UBC | 3,170 |
| 05/01/2004 – 04/30/2005 | **Suganthi Chittaranjan** | Senior Graduate Studentship | MSFHR | 2,500 |
| 09/01/2003 – 08/31/2005 | **Malachi Griffith** | Postgraduate Scholarship - Master's | NSERC | 17,300/yr |
| 04/01/2002 – 03/31/2004 | **Gregory Vatcher, PhD** | Postdoctoral Fellowship | MSFHR | 39,000 |

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| 2000 - 2002 | **Gregory Vatcher, PhD** | Postdoctoral Fellowship | NSERC | 35,000/yr |

**TRAINEE TRAVEL AWARDS & STUDENTSHIPS:**

| **Date** | **Trainee** | **Award** | **Granting Institution** | **CDN $** |
|---|---|---|---|---|
| 05/06/2024 | **Xiao Yu (Cathy) Yan** | GSAT Travel Award to present at Gordon Research Conference | University of Britsh Columbia | 1,500 |
| 03/2023 | **Yuka Takemon** | GSAT Travel Award to present at AGBT, Florida | University of Britsh Columbia | 1,500 |
| 05/2021-06/2021 | **Xiao Yu (Cathy) Yan** | FOM Summer Student Research Program ***(Declined)*** | University of Britsh Columbia | 2,800 |
| 05/03/2021-08/20/2021 | **Xiao Yu (Cathy) Yan** | BC Cancer Studentship | BC Cancer | 6,000 |
| 05/01/2021-08/31/2021 | **Xiao Yu (Cathy) Yan** | GSAT Summer Studentship ***(Declined)*** | University of British Columbia | 4,050 |
| 05/10/2021-08/27/2021 | **Signe MacLennan** | NSERC Undergraduate Student Research Award | Natural Sciences and Engineering Research Council of Canada and University of British Columbia | 7,500 |
| 2021 | **Yuka Takemon** | John Bosdet Memorial Fund Award | BC Cancer Foundation | 292 |
| 03/23/2020 | **Vanessa Porter** | Travel Award (International Papillomavirus Conference) | Canadian Cancer Society Research Institute | 2,000 |
| 01/03/2020 | **Vanessa Porter** | Early Career Investigator Travel Award | International Papillomavirus Society | 500 Euros + free registration |
| 03/2018 | **Hye-Jung (Elizabeth) Chun** | TCG Trainee Collaboration and Travel Award (International Rhabdoid Tumour Meeting) | University of British Columbia | 1,565 |
| 09/2017 | **Su min (Lisa) Wei** | TCG Travel Award (ASH Annual Meeting) | University of British Columbia | 2,250 |
| 09/2017 | **Hye-Jung (Elizabeth) Chun** | CEEHRC Travel Award (4$^{th}$ Canadian Conference on Epigenetics) | Canadian Epigenetics, Environment and Health Research Consortium Network | 500 |
| 06/2017 | **Su min (Lisa) Wei** | Travel Award (Pathway and Network Analysis of -Omics Data Workshop) | Canadian Bioinformatics Workshop | 1,300 |
| 03/2017 | **Hye-Jung (Elizabeth) Chun** | Travel Award (2nd European Cancer Epigenetics Conference in Heidelberg, Germany) | UBC Faculty of Medicine | 1,000 |
| 03/15/2017 | **Hye-Jung (Elizabeth) Chun** | CEEHRC Travel Award (2nd European Cancer Epigenetics Conference in Heidelberg, Germany) | Canadian Epigenetics, Environment and Health Research | 1,000 |

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| | | | Consortium Network | |
| 2/22/2017 | **Hye-Jung (Elizabeth) Chun** | Faculty of Science Graduate Award | UBC | 500 |
| 07/28/2015 | **Hye-Jung (Elizabeth) Chun** | Travel Award (CSHL meeting on Epigenetics & Chromatin) | Canadian Cancer Society Research Institute | 2,000 |
| 05/16/2015 | **James Topham** | GSC Graduate Student Travel Award (for the ISMB 2016 Meeting) | John Bosdet Memorial Fund (BCCF) | 1,500 |
| 11/17/2015 | **Emilia Lim** | Travel Award | American Society of Hematology | 500 |
| 09/01/2015 – 04/30/2016 | **Hye-Jung (Elizabeth) Chun** | Faculty of Science Graduate Award | UBC | 3,236.22 |
| 07/2015 | **Hye-Jung (Elizabeth) Chun** | Travel Award (Canadian Cancer Research Conference)<br><br>Note: Declined by trainee due to personal reason) | CCSRI | 2,000 |
| 05/2015 | **Alessia Gagliardi** | Director's Fund Award (CSHL Symposium "21st Century Genetics: Genes at Work") | CSHL | 1,000 USD |
| 08/31/2014 – 04/30/2015 | **Hye-Jung (Elizabeth) Chun** | Faculty of Science Graduate Award | UBC | 3,407.28 |
| 05/2014 | **Emilia Lim** | Travel Award (Terry Fox 5th Annual Scientific Meeting) | TFRI | 900 |
| 04/2014 | **Hye-Jung (Elizabeth) Chun** | Graduate Student Travel Award (AACR Annual Meeting) | John Bosdet Memorial Fund (BCCF) | 1,500 |
| 04/2014 | **Hye-Jung (Elizabeth) Chun** | AACR Annual Meeting Travel Award | CCSRI | 2,000 |
| 11/2013 | **Emilia Lim** | CIHR-ICR Travel Award (for the 2013 Canadian Cancer Research Conference) | CIHR Institute of Cancer Research | 1,000 |
| 11/2013 | **Marlo Firme** | Graduate Student Travel Award (for the 2013 Canadian Cancer Research Conference) | John Bosdet Memorial Fund (BCCF) | 1,456 |
| 11/2013 | **Julia Pon** | Graduate Student Travel Award (for the 2013 Canadian Cancer Research Conference) | John Bosdet Memorial Fund (BCCF) | 1,290 |
| 09/01/2012 – 01/31/2013 | **Hye-Jung (Elizabeth) Chun** | College for Interdisciplinary Studies Graduate Award | UBC | 2,773 |
| 02/2012 | **Jill Mwenifumbo, PhD** | Graduate Student Travel Award (for the Advances in Genome Biology and Technology Meeting) | John Bosdet Memorial Fund (BCCF) | 2,340 USD |
| 05/01/2011 | **Emilia Lim** | Canadian Bioinformatics Workshop Registration Award | OICR | 500 |
| 05/01/2011 | **Jill Mwenifumbo, PhD** | Canadian Bioinformatics Workshop Registration Award | OICR | 500 |
| 12/2010 | **Maria Mendez-Lago, PhD** | Travel Award | American Society of Hematology | 500 |

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| 04/02/2009 | **Trevor Pugh** | Travel Award | UBC | 400 |
| 2006 | **Malachi Griffith** | Travel Award for the Canadian Student Health Research Forum | CIHR | 250 |
| 2004 & 2005 | **Suganthi Chittaranjan** | Graduate Student Travel Awards | John Bosdet Memorial Fund (BCCF) | 2,200/yr |

**TRAINEE RESEARCH & TEACHING EXCELLENCE AWARDS:**

| **Date** | **Trainee** | **Award** | **Granting Institution** | **CDN $** |
|---|---|---|---|---|
| 2022 | **Yuka Takemon** | BC Cancer Research Day Best Poster | BC Cancer | |
| 2022 | **Vanessa Porter** | Medical Genetics Teaching Assistant Award | UBC | |
| 2022 | **Signe MacLennan** | BC Cancer Summit Poster Prize | TFRI | 200 |
| 2020 | **Vanessa Porter** | Patricia Baird Prize in Medical Genetics | UBC | 1,000 |
| 11/23/2019 | **Veronique LeBlanc** | Poster Award (Cancer biology) 2019 TFRI BC Node Day | TFRI | |
| 11/09/2018 | **Vanessa Porter** | First Place, Poster Award, Medical Genetics Research Day | UBC | |
| 06/11/2018 | **Veronique LeBlanc** | Second Place, Rapid Fire Talks, 2018 BC Cancer Research Day | BC Cancer | 75 |
| 05/12/2018 | **Veronique LeBlanc** | 2018 Young Investigator Award in Basic/Translational Research | 18th Biennial Canadian Neuro-Oncology Meeting | 1,500 |
| 03/09/2018 | **Veronique LeBlanc** | Third Place, Poster Prize, B.I.G. Research Day | UBC | 50 |
| 03/09/2018 | **Hye-Jung (Elizabeth) Chun** | First Place, Poster Prize and Lightning Talk Award, B.I.G. Research Day | UBC | 300 |
| 04/23/2016 | **Emilia Lim** | Department of Statistics Award in Data Science (for 2015W session) | UBC | 1,000 |
| 11/16/2015 | **Emilia Lim** | Lloyd Skarsgard Research Excellence Prize | BCCA | 1,000 |
| 11/12/2014 | **Emilia Lim** | Rapid-fire Research Talk, 4th Annual TFRI BC Node Research Day | TFRI | 150 |
| 10/2013 | **Julia Pon** | Best Oral Presentation at the TFRI BC Node Research Day | TFRI | |
| 05/24/2013 | **Emilia Lim** | Student Most Groundbreaking Research Oral Presentation Prize | RiboWest 2013 Conference | |
| 10/2011 | **Ryan Morin** | Lloyd Skarsgard Research Excellence Prize | BCCA | 500 |
| 11/26/2010 | **Olena Morozova** | One of the recipients of the Best Poster Award at the BC Cancer Agency Annual Cancer Conference | BCCA | |
| 12/2008 | **Trevor Pugh** | Genetics and Bioinformatics Retreat<br>Senior Student Poster Award | UBC | 150 |

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| 10/2008 | **Malachi Griffith** | Lloyd Skarsgard Research Excellence Prize | BCCA | 500 |
| 12/2007 | **Olena Morozova** | Medical & Bioinformatics Graduate Retreat Best Poster Award (for Bioinformatics category) | UBC | 500 |
| 12/2007 | **Ying-Chen (Claire) Hou** | Medical & Bioinformatics Graduate Retreat Best Poster Award (for Genetics category) | UBC | 500 |
| 06/2006 – 08/2006 | **Malachi Griffith** | CIHR National Research Poster Competition (Honourable Mention) | CIHR | - |
| 2006 | **Trevor Pugh** | Research Forum Exchange Poster Award | Genome BC | 250 |
| 2005 | **Trevor Pugh** | Medical Genetics Research Day Student Poster Award (Honourable mention) | UBC | - |
| 2004 & 2003 | **Suganthi Chittaranjan** | Medical Genetics Research Day Student Poster Award | UBC | 300 |

## TRAINEE PLATFORM / ORAL PRESENTATIONS:

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| 1. | CEEHRC Seminar Series. Vancouver, BC. Sep 20, 2024. **MacLennan S**, Porter V, Ng M, Marra M. The Structural and Regulatory Architecture of Extrachromosomal DNAs in Cervical Cancer **(Oral presentation)** |
| 2. | BC Cancer Research Day, Vancouver, BC. Sep 2024. **MacLennan S**, Porter V, Ng M, Marra M. The structural and regulatory architecture of extrachromosomal DNAs in cervical cancer. **(Oral presentation).** |
| 3. | The Gordon Research Conference: Single Cell Cancer Biology. Manchester, NH, USA. June 9-14, 2024. **Yan C,** Pleasance E, McConechy M, Shen Y, Nelson J, Laskin J, Marra MA. Single-cell multiomics in precision medicine. **(Poster presentation)**. |
| 4. | Gynecological Cancer Initiative (GCI) Trainee Research Day 2024, Vancouver, BC. Jun 2024. **MacLennan S,** Porter V, Ng M, Marra M. The structural and regulatory architecture of extrachromosomal DNAs in advanced-stage cervical cancer. **(Oral Presentation).** |
| 5. | University of British Columbia. 2024 Faculty of Medicine's Building the Future - Research Trainee Day. Vancouver, BC. Mar 2024. **MacLennan S**, Porter V, Marra M. Driving in circles: how circular DNA drives cancer treatment resistance. **(Oral Presentation – 3-minute thesis competition).** |
| 6. | Gordon Research Seminar: Viruses and Cells. Barcelona, Spain. May 21-26, 2023. **Porter VL**, O'Neill K, Corbett RD, MacLennan S, Iden M, Mutchler R, Tsaih S-W, Nip, Hamadeh Z, Culibrk L, Fan J, Nip KM, Akbari V, Chan SK, Moore R, Mungall KL, Mungall AJ, Birol I, Jones SJM, Rader JS, Marra MA. Identification of novel genomic structures and regulation patterns at HPV integration events in cervical cancer. **(Oral Presentation)**. |
| 7. | Keystone Symposia: Metastasis (In-person event). Vancouver, BC. May 7-10, 2023. **Yan C**, Marco A. Marra. The origins of metastatic non-small cell lung cancer in primarytumours. **(Oral presentation)**. |
| 8. | 35th International Papillomavirus Conference & Basic Science, Clinical Science and Public Health Workshops (IPVC 2023). Washington D.C., USA. Apr 17-21, 2023. **MacLennan SA**, Porter VL, Marra MA. The Genomic Structures and Heterogeneity of Extrachromosomal DNA (ecDNA) in cervical cancer. **(Oral presentation awarded but declined due to illness)**. |
| 9. | Advances in Genome Biology and Technology (In-person event). Fort Lauderdale, FL, USA. Feb 5-9, 2023. **Takemon Y**, Gagliardi A, Chan SY, Diane TL, Topham JT, Huff RD, Hughes CS, Marra MA. Application of an *in silico* framework to map genetic networks and elucidate biological functions of KMT2D, a frequently mutated gene across cancer types. **(Flash talk and poster presentation).** |

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| 10. | London Calling (Hybird Event). May 18-20, 2022. **Porter VL**, O'Neill K, Corbett R, Culibrk L, Marissa Iden, Rachel Mutchler, Shirng-Wern Tsain, Ka Ming Nip, Vahid Akbari, Simon K. Chan, Karen L. Mungall, Andrew J. Mungall, Inanc Birol, Steven J. M. Jones, Janet S. Rader, Marco A. Marra. Identification of novel genomic structures and regulation patterns at HPV integration events in cervical cancer. **(Oral presentation).** |
| 11. | London Calling 2022 (Hybrid Event). May 18-20, 2022. **Akbari V**, O'Neill K, Corbett R, **Porter VL**, Pandoh P, Moore R, Marra MA, Hirst M, Jones SJ. DNA Methylation Analysis In Human Tumor Samples Using Nanpore Sequencing. **(Poster presentation).** |
| 12. | London Calling (Hybird Event). May 18-20, 2022. **O'Neill K**, Pleasance E, Dixon K, Akbari V, Fan J, Porter V, Grisdale C, Corbett RD, Taylor G, Shen Y, Mungall KL, Chuah E, Williamson L, Laskin J, Marra MA, Jones S. Nanopore Sequencing for Personalised OncoGenomics. **(Oral presentation).** |
| 13. | BIG 2022 Research Day (Speed Talk). Mar 23, 2022. **Takemon, Y**, **Gagliardi A,** Chan SY, Trinh DL, Topham JT, Huff RD, Hughes CS, Marra, MA. In Silico Genetic Interaction Network Mapping Expands KMT2D's Role in Maintaining Genomic Stability. **(Rapid-fire talk).** |
| 14. | 34th International Papillomavirus Conference (Virtual). Nov 15-19, 2021. **Porter VL**, O'Neill K, Nip KM, Culibrk L, Akbari V, Chan SK, Iden M, Tsaih S-W, Corbett R, Mungall KL, Mungall AJ, Birol I, Jones SJM, Rader JS, Marra MA. Analysis of cervical cancers with long-read technology delineates novel genomic structures and regulation patterns at HPV integration events. **(Oral presentation).** |
| 15. | London Calling 2021 (Virtual). May 19-21, 2021. **Porter VL**, O'Neill K, Iden M, Tsaih S-W, Akbari V, Culibrk L, Chan SK, Mungall KL, Mungall AJ, Jones SJM, Rader JS, Marra MA. Nanopore sequencing of cervical cancers uncovers novel host and viral genomic and epigenomic features associated with HPV integration events. **(Oral Presentation)**. |
| 16. | 1st International Symposium of CCII -Bioinformatics and its application to cancer and other diseases. (Virtual) Jan 15, 2021. **Chun H-J E**, Johann PD, Milne K, Zapatka M, Buellesbach A, Ishaque N, Iskar M, Erkek S, Wei L, Tessier-Cloutier B, Lever J, Titmuss E, Topham J, Bowlby R, Chuah E, Mungall KL, Ma Y, Mungall AJ, Moore RA, Taylor MD, Gerhard DS, Jones SJM, Korshunov A, Gessler M, Kerl K, Hasselblatt M, Frühwald MC, Perlman EJ, Nelson BH, Pfister SM, Kool M, Marra MA. Comparative analyses of cranial and extra-cranial rhabdoid tumours reveal subgroups with cytotoxic T cell infiltration. |
| 17. | University of British Columbia. Department of Medical Genetics Virtual Research Day 2020. Nov 6, 2020. **Porter VL**, Gagliardi A, Titmuss E,Bowlby R, Zong Z, O'Neill K, Namirembe C, Griner N, Petrello H, Bowen J, Chan S, Culibrk L, Darragh TM, Stoler MH, Wright TC, Gesuwan P, Dyer M, Ma Y, Mungall KL, Jones SJM, Nakisige C, Novik K, Orem J, Origa M, Gastier-Foster JM, Yarchoan R, Casper C, Mills G, Rader JS, Ojesina A, Gerhard DS, Mungall AJ, Marra MA. Analysis of Ugandan cervical carcinomas identifies HPV clade–specific epigenome and transcriptome landscapes. **(Patricia Baird Prize in Medical Genetics Finalist* Presentation. *Winner)** |
| 18. | International Papillomavirus Conference (Virtual Conference due to COVID-19). July 27, 2020. **Porter VL**, Gagliardi A, Titmuss E, Zong Z, Bowlby R, Namirembe C, Griner NB, Petrello H, Bowen J, Chan S, Culibrk L, Darragh TM, Stoler M H, Wright T C, Gesuwan P, Dyer M, Ma Y, Mungall K L, Jones S JM, Nakisige C, Novik K, Orem J, Origa M, Gastier- Foster JM, Yarchoan R, Casper C, Mills GB, Rader JS, Ojesina AI, Gerhard D S, Mungall AJ, Marra MA. Ugandan cervical carcinomas have human papillomavirus clade-specific epigenome and transcriptome landscapes. **(Oral presentation)** |
| 19. | BC Cancer Research Day. Vancouver, BC. June 17, 2019. **LeBlanc VG**, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched patient-derived organoids using single-cell RNA-seq" **(First place prize for rapid-fire talks)** |
| 20. | Terry Fox PROFYLE Therapeutic Node Meeting. Vancouver, BC. Apr 24, 2019. **Chun H-J E**. Malignant rhabdoid tumours as candidates for immune checkpoint inhibitor therapy. **(Online oral presentation)** |
| 21. | International Human Epigenome Consortium Annual Meeting. Hong Kong, China. Oct 26-28, 2018. **Lee SD**, Song J, Chan SY, Chittaranjan S, Marra MA. Characterization of the Molecular Consequences of CIC-knockout and Neomorphic IDH1-R132H Mutation on Transcriptomic and Epigenomic Landscapes. **(Rapid-fire talk)** |

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| 22. | 2018 BC Cancer Research Day. Vancouver, BC. June 11, 2018. **LeBlanc VG**, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Rapid-fire talk)** |
| 23. | 18th Biennial Canadian Neuro-Oncology Meeting. Banff, AB. May 10-12, 2018. **LeBlanc VG**, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Young Investigator Award in Basic/Translational Research).** |
| 24. | International Rhabdoid Tumour Meeting, Lake Louise, AB. Apr 19-22, 2018. **Chun H-J E**. Comparative analyses of cranial ATRTs and extra-cranial MRTs revealed molecular similarities between the MYC-subgroup of ATRTs and MRTs. |
| 25. | B.I.G. Research Day. Vancouver, BC. Mar 9, 2018. **Chun H-J E**. Extra-cranial rhabdoid tumours exhibit molecular similarities to the MYC-subgroup of AT/RTs. |
| 26. | BC Cancer Research Centre's Thursday Oncology Trainee Seminar. Vancouver, BC. Feb 16, 2018. **Chun H-J E**. Comparative analysis of cranial and extra-cranial rhabdoid tumours revealed molecular similarities between subgroups. |
| 27. | The 4th Canadian Conference on Epigenetics, Whistler, BC. Nov 26-29, 2017. **Chun H-J E**. Extra-cranial rhabdoid tumours exhibit molecular similarities to a cranial subtype. |
| 28. | Terry Fox Research Institute 8th Annual Scientific Meeting. Vancouver, BC. Nov 4, 2017. **LeBlanc VG**, Trinh D, Hughes M, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Rapid-fire talk)** |
| 29. | BC Cancer Research Centre's Thursday Oncology Trainee Seminars. Vancouver, BC. May 3, 2017. **LeBlanc VG**, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. |
| 30. | BC Cancer Research Centre's Thursday Oncology Trainee Seminar. Vancouver, BC. Mar 2, 2017. **LeBlanc VG**. Investigating the role of *CIC* mutations in malignancy. |
| 31. | BC Cancer Research Centre's Thursday Oncology Trainee Seminar. Vancouver, BC. Feb 2, 2017. **Chun H-J E**. Heterogeneous molecular landscapes of malignant rhabdoid tumours uniformly driven by SMARCB1 loss. |
| 32. | 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. **Lim EL**, Trinh DL, Ries RE, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Kolb EA, Gamis A, Smith M, Gerhard DS, Alonzo TA, Meshinchi S, Marra MA. A microRNA Expression-based Model Predicts Event Free Survival in Pediatric Acute Myeloid Leukemia. **(Oral presentation)** |
| 33. | 2016 American Society of Human Genetics Annual Meeting, Vancouver, B.C. Oct 18-22, 2016. **Lim EL**, Trinh DL, Ries R, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Gerhard DS, Kolb EA, Gamis A, Smith M, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Pediatric acute myeloid leukemia survival differences revealed by comprehensive miRNA sequence analysis. **(Platform presentation)** |
| 34. | BCCA Monday Noon Seminar Series. Vancouver, BC. Oct 3, 2016. **Lim EL**. miRNA Sequence Analysis Reveals Cancer Subtypes that Correlate With Tumour Characteristics and Patient Outcomes. **(Presentation)** |
| 35. | International Union of Biochemistry and Molecular Biology Annual Meeting. Vancouver, BC. Jul 2016. **Lim EL**, Trinh DL, Ries R, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Oehler V, Kolb EA, Gamis A, Smith M, Gerhard DS, Arceci RJ, Alonzo TA, Meshinchi S, Marra MA. Comprehensive Sequence Analysis of Relapse & Refractory Pediatric Acute Myeloid Leukemia **(Presentation)** |
| 36. | VanBug Seminar. Vancouver, BC. Mar 2016. **Chun H-J E**, Lim EL, Heravi-Moussavi A, Modaber SS, Moussavi A, Mungall KL, Bilenky M, Carles A, Tse K, Shlafman I, Zhu K, Qian JQ, Harvey D, He An, Long W, Goya R, Ng M, LeBlanc V, Pleasance E, Thiessen N, Wong T, Chuah E, Zhao YJ, Schein JE, Gerhard DS, Taylor MD, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Heterogeneous epigenetic landscape of extra-cranial malignant rhabdoid tumours. **(Presentation)** |
| 37. | 57th American Society of Hematology Annual Meeting. Orlando, FL. Dec 2015. **Lim EL**, Trinh DL, Ries R, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Oehler V, Kolb |

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| | EA, Gamis A, Smith M, Gerhard DS, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Comprehensive Sequence Analysis of Relapse and Refractory Pediatric Acute Myeloid Leukemia Identifies miRNA and mRNA Transcripts Associated with Treatment Resistance - a Report from the COG/NCI-Target AML Initiative. |
| 38. | BC Cancer Research Centre Thursday Oncology Seminar Series. Vancouver, BC. Nov 2015. **Chun H-J E**, Lim EL, Heravi-Moussavi A, Modaber SS, Moussavi A, Mungall KL, Bilenky M, Carles A, Tse K, Shlafman I, Zhu K, Qian JQ, Harvey D, He An, Long W, Goya R, Ng M, LeBlanc V, Pleasance E, Thiessen N, Wong T, Chuah E, Zhao YJ, Schein JE, Gerhard DS, Taylor MD, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-cranial malignant rhabdoid tumours have molecularly distinct subgroups. |
| 39. | Children's Oncology Group Annual Meeting. Dallas, TX. Oct 2015. **Lim EL,** Trinh DL, Ries R, Wang J, Ma Y, Topham J, Hughes M, Pleasance E, Mungall AJ, Moore R, Zhao YJ, Oehler V, Kolb EA, Gamis A, Smith M, Gerhard DS, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Transcriptome Sequence Analysis of Relapse and Refractory Pediatric Acute Myeloid Leukemia. |
| 40. | Next Generation Sequencing Rounds, Child & Family Research Institute. Vancouver, BC. Sep 25, 2015. **Chun H-J E.** Genomic analyses of extra-cranial malignant rhabdoid tumours. |
| 41. | 2nd International GENCODYS Conference Integrative Networks in Intellectual Disabilities. Crete, Greece. Apr 27-28, 2015. **Zahir FR**, Lee L, Makela N, Friedman JM, Marra M. Pathway analyses of whole genome sequence data identifies novel candidate Intellectual Disability genes. |
| 42. | 13th International Symposium on Mutation in the Genome: detection, genome sequencing & interpretation. Leiden, The Netherlands. Apr 27-30, 2015. **Zahir FR**, Lee L, Makela N, Friedman JM, Marra M. Pathway analyses of whole genome sequence data identifies novel candidate Intellectual Disability genes. |
| 43. | Genome Informatics 2014. Cambridge, UK. Sep 21-24, 2014. **Lim EL**, Trinh DL, Scott DW, Chu A, Krzywinski M, Robertson G, Mungall AJ, Schein J, Boyle M, Johnson NA, Steidl C, Connors JM, Morin RD, Gascoyne RD, Marra MA. Comprehensive miRNA Sequence Analysis Reveals Survival Differences in Diffuse Large B-cell Lymphoma Patients. |
| 44. | Clinician Investigator Program Research Day. Vancouver, BC. June 2, 2014. **Pon JR**, Wong J, Marra MA. *MEF2B* Mutations Recurrent in Non-Hodgkin Lymphoma Decrease *MEF2B* Transcriptional Activity and Dysregulate Migration and Proliferation. **(Oral presentation)** |
| 45. | University of British Columbia. IOP/BTP/GSAT Research Day. Vancouver, BC. Mar 28, 2014. **Pon JR**, Chittaranjan S, Wong J, Chan S, Trinh D, Tamura-Wells J, Firme M, O'Brien K, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations in Non Hodgkin Lymphoma. **(Oral presentation)** |
| 46. | 3rd Annual TFRI-BC Node Research Day. Vancouver, BC. Oct 31, 2013. **Pon JR**, Chittaranjan S, Wong J, Chan S, Trinh D, Tamura-Wells J, Firme M, O'Brien K, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations in Non Hodgkin Lymphoma. **(Awarded Best Oral Presentation)** |
| 47. | RiboWest 2013 Conference. Prince George, BC. May 2013. **Lim EL**, Trinh D, Scott D, Chu A, Morin R, Mungall A, Boyle M, Johnson M, Connors J, Gascoyne R, Marra M. Deep Sequencing of the DLBCL miRnome Reveals Novel Prognostic miRNA. (**Awarded Student Most Groundbreaking Research Oral Presentation Prize)** |
| 48. | Asian Pacific Bioinformatics Conference, Vancouver, BC. Jan 20, 2013. **Chun H-J E**. Interpreting cancer sequencing data in terms of functions, pathways and drug targets. **(Tutorial instruction).** |
| 49. | BC Cancer Agency Research Conference. Vancouver, BC. Nov 2012. **Lim EL**, Morin RD, Chu A, Gascoyne RD, Marra MA. An Integrative Analysis of miRNA:mRNA Interactions Acting in Cancers. **(Awarded Best Bioinformatics Oral Presentation)** |
| 50. | Canadian Association of Genetic Counselors Annual Conference. Saskatoon, SK. Oct 17-20, 2012. **Zahir FR**. Genomics tools at your finger-tips; learning to access and use online available tools for genotype-phenotype correlations. **Invited oral (workshop) presentation** |
| 51. | NeuroDevNet Brain Conference, Toronto, ON. Sep 20-24, 2012. **Zahir FR**, Shen Y, Zhan SH, Adam S, Makela N, Beaulieu C, FORGE Canada Consortium, Gibson W, Patel M, Horvath G, Marra MA, Jones S, |

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| | Friedman JM. Whole exome sequencing of two families results in identification of novel causative mutations for severe Intellectual Disability. **(Oral presentation)** |
| 52. | Sri Lanka Medical Association 125th Anniversary Conference. Colombo, Sri Lanka. July 2-6, 2012. **Zahir FR**, Adam S, Makela N, FORGE Canada Consortium, Gibson W, Horvath G, Langlois S, Patel W, Marra MA, Jones S, Friedman JM. Cutting edge genomic technologies to diagnose the genetic basis of Intellectual Disability and Major Congenital Anomalies. **(Invited oral presentation)** |
| 53. | Model Organisms to Human Biology- Cancer Genetics Conference. Washington, DC. June 17-20 2012. **Pon JR,** Mendez-Lago M, Mungall AJ, Mungall KL, Bolger-Munro M, Goya R, Hadj Khodabakhshi A, Johnson NA, Chiu R, Jackman S, Krzywinski M, Scott D, Trinh DL, Corbett R, Meissner B, Tse K, Birol I, Holt R, Schein J, Horsman DE, Moore R, Hirst M, Jones SJM, Connors JM, Gascoyne RD, Marra MA, Morin RD. Genomic Profiling of Non-Hodgkin Lymphoma Clinical Samples. **(Oral presentation)** |
| 54. | Pacific North-West Genetics Exchange, Seattle, WA, USA, May 4, 2012. **Zahir FR**, Tucker T, Adam S, Chai D, Tsang E, Delaney A, Eydoux P, Griffith M, Hamdan F, Langlois S, Marra M, Michaud J, Friedman JM. Genomic imbalance of genes encoding epigenetic regulatory proteins is a significant cause of intellectual disability **(Oral presentation)** |
| 55. | BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. **Mwenifumbo JC**, Griffith M, Zhao YJ, Owen D, Gill S, Marra M. Exploring Mutational Evolution in Metastatic Colorectal Cancer. **(Oral presentation)** |
| 56. | 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. **Bosdet I**, Pugh T, Sutcliffe M, Ionescu D, Ho C, Sun S, Murray N, Laskin JJ, Marra M. Mutational profiling of pre- and post-treatment lung tumors using whole-transcriptome sequencing and targeted sequence capture. **(Platform presentation)** |
| 57. | Cambridge Healthtech Institute's Next Generation Sequencing Conference. San Diego, CA. Mar 2009. **Pugh T**, Morin RD, Marra MA. Whole transcriptome sequencing of cancer biopsies for concurrent analysis of expression, splicing and mutation **(Platform presentation)**. |
| 58. | 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. **Griffith M**, Morin RD, Tang MJ, Pugh TJ, Griffith OL, Ally A, Asano JK, Chan SY, McDonald H, Zhao Y, Zeng T, Delaney A, Hirst M, Tai IT, Marra MA. Transcriptome Sequencing Reveals Alternative Splicing Events in Chemotherapy Resistant Colon Cancer Cells. **(Platform presentation)** |
| 59. | HUGO's 13th Human Genome Meeting. Hyderabad, India. Sep 2008. **Morozova O**, Morozov V, Hirst M, Marra M. Defining expression signatures of known cancer genes using seriation analysis of SAGE libraries from Cancer Genome Anatomy Project (CGAP). Computational Biology and Structural Proteomics Workshop Presentation. **(Platform presentation)** |
| 60. | The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. **Morin RD**, O'Connor MD, Griffith M, Kuchenbauer F, Delaney A, Prabhu A-L, Zhao Y, McDonald H, Zeng T, Hirst M, Eaves CJ, Marra MA. Application of Illumina massively parallel sequencing to microRNA profiling and discovery in human embryonic stem cells. **(Platform presentation)** |
| 61. | The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. **Farnoud N**, Chan S, Flibotte S, Delaney A, Friedman JM, Marra M. DLOH: A Novel Bioinformatics Tool For Detection Of Copy-Number Deletions Using LOH Data. **(Platform presentation)** |
| 62. | Discovery to Diagnostics Conference & Exhibition. Philadelphia, PA. Sep 2007. **Griffith M**. Identification of alternative isoforms associated with chemotherapy resistance. **(Platform presentation**). |
| 63. | HUGO's 12th Human Genome Meeting. Montreal, QC. May 2007. **Morin RD**, Delaney A, O'Connor M, Prabhu A-L, Zhao Y, McDonald H, Zeng T, Hirst M, Eaves C, Marra MA. Identification of small RNAs important in embryonic stem cells and their differentiation. **(Platform presentation)** |

## UNDERGRADUATE STUDENTS / OTHER STUDENTS SUPERVISED:

| From | To | Student | Status | Degree |
|---|---|---|---|---|
| 09/03/2024 | Present | Jiajie (Crystal) Shan | Directed Studies Student | BSc (Biochemistry & Molecular Biology) |
| 01/10/2024 | 08/20/2024 | | Co-op Student | University of British Columbia |

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| 05/06/2024 | 08/30/2024 | Rachel Taylor | Summer Student | BSc (Health Sciences in Biomedical Sciences)<br>University of Calgary |
| 04/19/2024 | 08/30/2024 | Rachel Smid | Summer Student | BSc (Health Science)<br>University of Northern British Columbia |
| 09/18/2023 | 04/12/2024 | Emily Flaschner | Directed Studies Student (BMEG 490B) | BSc (Biomedical Engineering)<br>University of British Columbia |
| 05/03/2021<br><br>01/2021 | 08/20/2021<br><br>05/02/2021 | Xiao Yu (Cathy) Yan | Student Researcher<br><br>Volunteer Student | BSc Honours (Microbiology & Immunology)<br>University of British Columbia |
| 05/10/2021<br><br>01/2021 | 08/20/2021<br><br>05/09/2021 | Signe MacLennan | Student Researcher<br><br>Volunteer Student | BSc (Health Sciences)<br>Simon Fraser University |
| 05/01/2020<br>&<br>04/29/2019 | 08/28/2020<br><br>04/30/2020 | Dollina Dodani | Summer Student<br><br>Co-op Student | BSc (Computing Science)<br>Simon Fraser University |
| 06/19/2019 | 08/30/2019 | Parsa Seyfourian | Volunteer Student | BSc, 2nd year<br>University of British Columbia |
| 11/21/2018<br>&<br>01/02/2018 | 06/28/2019<br><br>08/16/2018 | Ishika Luthra | Student Researcher<br><br>Co-op Student | BSc (Biomedical Engineering)<br>Simon Fraser University |
| 07/23/2018 | 08/31/2018 | Daniel Shirvani | Volunteer Student | High school student, Grade 11<br>West Vancouver Secondary School |
| 01/15/2018<br>&<br>05/01/2017 | 08/10/2018<br><br>08/30/2017 | William Brothers | Student Researcher<br><br>NSERC USRA Student | BSc (Biology)<br>University of British Columbia |
| 06/01/2017 | 08/31/2017 | Heidi Britton | Summer Student | MD Program<br>University of British Columbia |
| 09/08/2015 | 04/27/2016 | Cassia Warren | Directed Studies Student | BSc (Genetics & Physiology)<br>University of British Columbia |
| 09/08/2015 | 04/29/2016 | Amro Anwer | Co-op Student | BSc (Computer Engineering)<br>University of British Columbia |
| 01/05/2015 | 08/21/2015 | Hyun Jung (Adita) Cho | Co-op Student | BSc (Biochemistry, 4th year)<br>University of British Columbia |
| 05/05/2014<br>&<br>09/20/2013 | 08/31/2015<br><br>04/30/2014 | Min Hye (Angelica) Lee | Co-op Student<br><br>Volunteer Student | BMLSc (3rd year)<br>University of British Columbia |
| 05/01/2014 | 04/27/2015 | Michelle Ng | Honours Thesis Student | University of British Columbia |
| 09/03/2013 | 01/18/2015 | Jungeun Song | Co-op Student | BSc (Molecular Biology & Biochemistry, final year)<br>Simon Fraser University |
| 05/06/2013 | 12/20/2013 | Jackson Wong | Co-op Student | Faculty of Science (3rd year Biology)<br>University of British Columbia |
| 09/04/2012 | 08/30/2013 | Chi-fu (Kevin) Yang | Co-op Student | BSc Honours (Molecular Biology & Biochemistry, 3rd year)<br>Simon Fraser University |

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| 05//2012 | 08/28/2012 | Yisi Daisy Ji | Summer Student | BSc (Pharmacy, 2nd year)<br>University of British Columbia |
| 01/2011<br>&<br>05/2007 | 08/31/2012<br><br>09/2008 | Cindy Yang | Student Researcher<br><br>Volunteer Student | BSc (Microbiology & Immunology)<br>University of British Columbia |
| 08/2011 | 01/2012 | Brian Alcock | Student Researcher | BSc Honours (Biology, 4th year)<br>Memorial University, Newfoundland |
| 06/2011 | 08/2011 | Andre Paul Van | Volunteer Student | MSc (Human Genetics)<br>University College London |
| 05/2011<br>&<br>05/2009<br>&<br>05/2008 | 06/2012<br><br>07/2009<br><br>08/2008 | Pierre Cheung | Student Researcher<br><br>Volunteer Student<br><br>Volunteer Student | BSc Honours (Biochemistry)<br>University of British Columbia |
| 05/2011 | 08/2011 | Sam Whiteley | Volunteer Student | BSc (Mechanical Engineering)<br>McGill University |
| 05/2011<br>&<br>05/2010 | 08/2011<br><br>08/2010 | Madison Bolger-Munro | Student Researcher<br><br>Volunteer Student | BSc (Microbiology & Immunology, 2nd year)<br>University of British Columbia |
| 03/2011 | 08/2011 | Juan Marlo Firme | Volunteer Student | BSc Honours ((Microbiology & Immunology)<br>University of British Columbia |
| 01/2011 | 08/2011 | Jessica Tamura-Wells | Co-op Student | BSc (Microbiology, 3rd year)<br>University of Victoria |
| 01/2011<br>&<br>05/2010 | 03/2011<br><br>09/2010 | Eric Zhao | Volunteer Student<br><br>Summer Student | Faculty of Science<br>University of British Columbia |
| 09/2009<br>&<br>05/2009 | 12/2010<br><br>08/2009 | Alexandra Maslova | Student Researcher<br><br>Volunteer Student | Science One Program<br>University of British Columbia |
| 09/2010 | 12/2010 | Ricky Lo | Co-op Student | BSc (Cell Biology & Genetics)<br>University of British Columbia |
| 05/2010 | 08/2010 | Yulia Merkulova | Volunteer Student | Science One Program<br>University of British Columbia |
| 05/2010 | 08/2010 | Brian Cho | Volunteer Student | Science One Program<br>University of British Columbia |
| 10/2009 | 06/2010 | Deborah Chen | Volunteer Student | Science One Program<br>University of British Columbia |
| 02/2009 | 12/2009 | Shaun Drummond | Volunteer Student | Associate Degree in Biology<br>Kwantlen Polytechnique University |
| 05/2009 | 08/2009 | Jasmine Lin | Student Researcher | Bachelor of Arts<br>Cornell University |
| 04/2009<br>&<br>09/2008 | 08/2009<br><br>03/2009 | Alison Lee | Student Researcher<br><br>Volunteer Student | BSc Honours (Physiology Program)<br>University of British Columbia |
| 05/2008<br>&<br>05/2007 | 07/2009<br><br>08/2007 | Jessica Paul | Student Researcher<br><br>Summer Student | BSc (Honors Biology, minor Biochemistry)<br>Calvin College, Michigan |
| 09/2008 | 04/2009 | Lisa Miao | Student Researcher | BSc (Computer Science)<br>University of British Columbia |

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| 04/2008<br>&<br>09/2007 | 06/2008<br><br>12/2007 | Diane Wu | Summer Student<br><br>Part-time Research Student | BSc (Mol Biology & Biochem)<br>Simon Fraser University |
| 11/2007 | 11/2007 | Jennifer Puddicombe | Volunteer Student | BSc (Cell Biology & Genetics)<br>University of British Columbia |

**STUDENT ADVISORY COMMITTEE INVOLVEMENT:**

| From | To | Student | Supervisor | Program |
|---|---|---|---|---|
| 03/2024 | Present | Behnaz Salek | Daniel Goldowitz | PhD (Neuroscience), UBC |
| 01/2024 | Present | Taghrid Aloraini | Jan Friedman and Inanc Birol | PhD (Bioinformatics), UBC |
| 09/2023 | Present | Cassandra Cui | Amina Zoubeidi | PhD (Interdisciplinary Oncology), UBC |
| 09/2023 | Present | Umut Berkay Altintas | Nathan Lack | PhD (Bioinformatics), UBC |
| 01/2023 | Present | Haley MacDonald | Adi Steif | MSc (Bioinformatics), UBC |
| 11/2022 | Present | Johnathan Wong | Inanç Birol | MSc (Bioinformtics) |
| 09/2021 | Present | Anne Nathalie Ruth Longakit | Cathy Van Raamsdonk | PhD (Medical Genetics), UBC |
| 04/2021 | Present | Elizabeth Stevens | Philip Hieter | PhD (Medical Genetics), UBC |
| 05/2020 | Present | Mona Siu | Peter Zandstra | PhD (Medical Genetics), UBC |
| 10/2019 | Present | Zeid Hamadeh | Peter Lansdorp | MSc (Genome Science and Technology), UBC |
| 12/2018 | Present | Hilary Brewis | Michael Kobor & Peter Stirling | PhD (Medical Genetics), UBC |
| 05/2021 | 08/2023 | Jorge Holguin | Joerg Gsponer | MSc (Bioinformatics), UBC |
| 11/2019 | 12/2023 | Vahid Akbari | Steven Jones | PhD (Medical Genetics), UBC |
| 01/2016 | 04/2021 | Emma Laks | Samuel Aparicio | MSc (Genome Science and Technology), UBC |
| 09/2015 | 11/2020 | Derek Wong | Stephen Yip & David Huntsman | PhD (Pathology and Laboratory Medicine), UBC |
| 11/2010 | 08/2019 | Chandra Lebovitz | Sharon Gorski | PhD (Molecular Biology & Biochemistry), SFU |
| 09/2018 | 05/2019 | Kevin Fan | Steven Jones | MD/PhD Program<br>University of British Columbia |
| 01/2017 | 04/2018 | Kevin Jepson | Carl Hansen | MSc (Genome Science and Technology), UBC |
| 04/2014 | 12/2016 | Sivan Reytan | Philip Hieter | MSc (Medical Genetics), UBC |
| 09/2013 | 05/2018 | Eric Zhao | Steven Jones | MD/PhD Program<br>University of British Columbia |
| 04/2013 | 04/2018 | Hans Zahn | Carl Hansen | PhD (Genome Science and Technology), UBC |

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| 04/2013 | 03/2017 | Fong Chun Chan | Sohrab Shah | PhD (Bioinformatics Graduate Program), UBC |
| 01/2013 | 07/2018 | Lauren Tindale | Angela Brooks-Wilson | PhD (Biomedical Physiology and Kinesiology), SFU |
| 12/2010 | 12/2015 | Peter Thompson | Matthew Lorincz | PhD (Medical Genetics), UBC |
| 10/2008 | 12/2012 | Madalene Earp | Angela Brooks-Wilson | PhD (Medical Genetics), UBC |
| 03/2009 | 02/2012 | Mehdi Najafzadeh | Carlo Marra | PhD (Pharmacy Program), UBC |
| 08/2008 | 07/2009 | Ying-Chen (Claire) Hou | Sharon Gorski | PhD (Medical Genetics), UBC |
| 09/2007 | 07/2010 | Lucie Semenec | Jack Chen | MSc (Mol Biol & Biochemistry), SFU |
| 07/2007 | 03/2012 | Anthony Fejes | Steven Jones | PhD (Bioinformatics), UBC |
| 01/2007 | 06/2012 | Dan Fornika | Angela Brooks-Wilson | MSc (Medical Genetics), UBC |
| 01/2007 | 07/2010 | Marco Gallo | Don Riddle | PhD (Medical Genetics), UBC |
| 06/2006 | 11/2010 | Iva Kulic | Aly Karsan | PhD (Experimental Medicine), UBC |
| 05/2006 | 08/2011 | Farah Zahir | Jan Friedman | PhD (Genetics Graduate Program), UBC |
| 05/2005 | 05/2006 | Brianna Melnyk | Robert Holt | MSc (Genetics Graduate Program), UBC |
| 09/2004 | 11/2011 | Yvonne Li | Steven Jones | PhD (CIHR Bioinformatics Program), UBC |
| 09/2004 | 03/2010 | Kelvin Zhang | Francis Ouellette | PhD (CIHR Bioinformatics Program), UBC |
| 12/2003 | 05/2007 | Jessica Lee | Ryan Brinkman | MSc (CIHR Bioinformatics Program), UBC |
| 09/2003 | 07/2009 | David Kent | Connie Eaves | PhD (Medical Genetics), UBC |
| 09/2003 | 09/2008 | Tammy Romanuik | Marianne Sadar | PhD (Pathology and Laboratory Medicine), UBC |
| 09/2003 | 04/2008 | Obi Griffith | Steven Jones | PhD (Medical Genetics), UBC |
| 09/2003 | 01/2005 | Debra Fulton | Fiona Brinkman | MSc (CIHR Bioinformatics Program), SFU |
| 09/2002 | 08/2004 | Perseus Missirlis | Philip Hieter | MSc (Genetics Graduate Program), UBC |
| 03/2002 | 12/2005 | Erin Pleasance | Steven Jones | PhD (Medical Genetics), UBC |
| 09/2001 | 01/2005 | Tom Milne | Hugh Brock, Jay Hess | PhD (Medical Genetics), UBC |
| 09/1999 | 11/2006 | Michael Anglesio | Poul Sorensen | PhD (Pathology), UBC |
| 07/1999 | 08/2001 | Michael Thorne | Steven Jones | MSc (Medical Genetics), UBC |
| 07/1999 | 05/2001 | Sanja Karalic | Carolyn Brown | MSc (Medical Genetics), UBC |

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| 09/1998 | 08/2003 | Josette-Renee Landry | Dixie Mager | PhD (Medical Genetics), UBC |

**COMPREHENSIVE / THESIS EXAMINING COMMITTEE INVOLVEMENT:**

| Date | Role | Student | Thesis Title | Degree | University |
|---|---|---|---|---|---|
| 07/31/2024 | University Examiner | Chingpan Chu | Preservation and detection of dynamic transcriptional regulatory signals in gene co-expression analysis | PhD (Bioinformatics) | University of British Columbia |
| 11/24/2023 | External Examiner | Hiba Omairi | Differential Effects of PDGFA and PDGFC Ligands on Neural Stem and Progenitor Cells | PhD | University of Calgary |
| 10/31/2023 | Committee member | Umut Berkay Altintas | | PhD | University of British Columbia |
| 08/31/2023 | Committee member | Jorge Holguin | | PhD | University of British Columbia |
| 08/24/2023 | Chair | Chun Wai Cheung | Characterization of $DPP4^{+}$ fibroadipogenic progenitors in skeletal muscle | Msc (Medical Genetics) | University of British Columbia |
| 04/03/2023 | Comprehensive Examiner | Anne Nathalie Ruth Longakit | Life in plastic, it's fantastic: Investigating the role of EMT states on clonal plasticity and metastasis in Uveal Melanoma | Transfer to PhD (MEDG) | University of British Columbia |
| 03/30/2023 | Chair | Yana Moscovitz | DICER1 Tumour Predisposition Syndrome Associated Cancers: Somatic TP53 and KRAS Mutations and Cancer Progression | Transfer to PhD (MEDG) | University of British Columbia |
| 03/24/2022 | University Examiner | Gillian Vandekerkhove | Circulating Tumour DNA as a Biomarker in Metastatic Bladder Cancer | PhD (Experimental Medicine) | University of British Columbia |
| 12/11/2019 | University Examiner | Marjan Farahbod | The interpretation of gene coexpression in systems biology | PhD (Bioinformatics) | University of British Columbia |
| 09/25/2018 | Chair (for PhD comprehensive examination) | Katherine Dixon | Molecular pathogenesis of cancer predisposition | PhD candidate (Medical Genetics) | University of British Columbia |

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| | | | syndromes and challenges in genetic diagnosis | | |
| 07/25/2017 | University Examiner | Carol Chia-Lu Chen | Interphase histone H3 serine 10 phosphorylation in mouse embryonic stem cells | PhD (Medical Genetics) | University of British Columbia |
| 03/10/2017 | University Examiner | Fong Chun Chan | Clinical Implications of Inter-tumour, Intra-tumour, and Tumour Microenvironment Heterogeneity in B-cell Lymphomas | PhD (Bioinformatics Graduate Program) | University of British Columbia |
| 06/10/2015 | Chair (for PhD comprehensivee xamination) | Govinda Sharma | The development of a high-throughput methodology for the discovery of cytotoxic T-cell receptor epitopes | PhD candidate (Genome Science & Technology Graduate Program) | University of British Columbia |
| 06/04/2012 | External Appraiser | Wigdan Al-Sukhni | Identifying susceptibility genes for Familial Pancreatic Cancer using novel high-resolution genome interrogation platforms | PhD | University of Toronto |
| 04/12/2012 | Chair | Jennifer Grants | Gene regulation by CDK8 (for PhD comprehensive examination) | PhD (Medical Genetics) | University of British Columbia |
| 06/28/2011 | Chair | Brian Wing Chi Wong | Vascular endothelial growth factor-induced permeability in the pathogenesis of cardiac allograft vasculopathy | PhD (Pathology and Laboratory Medicine) | University of British Columbia |
| 09/04/2009 | Chair | Noemie Riendeau | Autism spectrum disorders: Identification of novel microdeletions and microduplications and their associated phenotypes. | MSc (Medical Genetics) | University of British Columbia |
| 07/27/2005 | Chair | Jasmeen Merzaban | Formation of functional selection ligands on Activated T Cells and Thymic progenitors: the role of Core 2 ?-6-N-glucosaminyltransferases in the control of | PhD (Experimental Medicine) | University of British Columbia |

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| | | | lymphocyte trafficking and thymic progenitor homing. | | |

**SIGNIFICANT RESEARCH CONTRIBUTIONS:**

Dr. Marra's significant contributions to genome science are listed below. Publications have been organized into groups of technically or scientifically related topic areas.

**I.** *Science*, 2009 Apr 24;324(5926):522-528; *Genome Biol*, 2007 Oct 22;8(10):R224; *Science*, 2007 Apr 13;316(5822):222-234; *Science*, 2006 Nov 10;314(5801):941-952; *Science*, 2006 Sep 15;313(5793):1596-1604; *Genome Res*, 2006 Jun;16(6):768-775; *Science*, 2006 Sep 15; 313 (5793):1596-1604. *Proc Natl Acad Sci USA*, 2005 Dec 20;102(51):18526-18531; *Science*, 2005 Jul 15;309(5733):436-442; *Nature*, 2005 Apr 7;434(7034):724-731; *Science*, 2005 Feb 25;307(5713):1321-1324; *Nature*, 2004 Apr 1;428(6982):493-521; *Nature*, 2003 Jul 10;424(6945):157-164; *Nature*, 2002 Aug 15;418 (6899):743-750; *Nature Genet*, 2001Oct;29(2):133-134; *Genome Res*, 2001 Feb;11(2):274-280; *Nature*, 2001 Feb 15;409(6822):934-941; *Nature*, 2001 Feb 15; 409(6822):860-921.*Genome Res*, 1997;7:1072-1084.

These selected publications describe large-scale high throughput DNA sequencing conducted via a hierarchical map-based approach. The papers published in the Feb. 15, 2001 issue of Nature, titled "The Human Genome", describe the construction and use of the human genome map to fuel human genome sequencing. Dr. Marra's contribution was to devise and then implement the approaches that led to the construction and use of the map, which served as the centralized coordinating resource for the sequencing effort.

Dr. Marra also led map construction efforts in support of the sequencing of the mouse, rat, bovine, and other genomes, as described in these papers.

**II.** *Nature*, 2000 Dec 14;408(6814):796-815; *Nature*, 2000;408:823-826; *Cell*, 2000;100:377-386; *Nature*, 1999; 402:769-776; *Science*, 1999;286:2468-2474; *Nature Genet*, 1999;22:265-270; *Nature Genet*, 1999;22:271-275.

This series of papers describes the mapping and sequencing of the *Arabidopsis thaliana* genome. *A. thaliana* is an important model plant used widely to address issues relevant to plant developmental genetics. Dr. Marra was a key member of the Cold Spring Harbor Sequencing Consortium, focused on first leading the effort to map the *A. thaliana* genome and subsequently coordinating aspects of the whole genome sequencing activity.

**III.** *Emerg Infect Dis*, 2004 Dec;10(12):2192-2195; *Science*, 2003 May;300(5624):1399-1404.

The EID publication describes the sequencing of Avian flu genomes isolated from human patients during an Avian flu outbreak. The Science publication describes the rapid generation of the complete and accurate sequence of the SARS-associated coronavirus. The Genome Sciences Centre generated and end-sequenced cDNAs, and then assembled these sequences into the final ~29 kilobase genome sequence. The entire effort took about six days, demonstrating that genome sequencing of a new viral pathogen could be considered a legitimate part of a "rapid response" to an emerging infectious disease. The Science paper has been cited more than 1,524 times (tracked by Publons); 2,796 times (tracked by Google Scholar) as of Feb 11/22.

**IV.** Dr. Marra's current efforts are focused on the implementation of genomics approaches to characterize human cancers. He has led and co-led numerous efforts that use genomics sequencing technologies to characterize tumors, leading to the discovery of new cancer-associated mutations, candidate biomarkers, and new therapeutic targets. These efforts resulted in the discovery of mutated genes implicated in **ovarian cancers** e.g. *FOXL2* (*N Engl J Med* 2009 Jun 25;360(26):2719-2729) and *ARID1A* (*N Engl J Med* 2010 Oct 14; 363(16):1532-1543.); **B cell lymphomas** e.g. *EZH2* (*Nat Genet* 2010 Feb ;42(2):181-185), *MLL2*, *MEF2B*, (*Nature* 2011 Jul 27; 476(7360):298-303), *CIITA* (*Nature* 2011 Mar 17;471(7338):377-381.); **brain cancers** (e.g. *CIC* (*J Pathol* 2012 Jan;226(1):7-16), *Proc Natl Acad Sci U S A*. 2019 Sep 17;116(38):19098-19108, *Cancer Cell.* 2022 Apr 11;40(4):379-392.e9); **breast cancers** (e.g. *Nature* 2009 Oct 8;461(7265):809-813 and Nature 2012 Apr 4;486(7403):395-399); **medulloblastomas** (e.g. *Nat Genet* 2017 May;49(5):780-788; *Oncotarget* 2016 May;7(19):28169-28182; *Nature* 2016 Jan;529(7586):351-357; *Cancer Cell* 2014 Jul;26(1):33-47; *Acta*

*Neuropathol* 2013 Mar;125(3):373-384; *Nature* 2012 Aug;488(7409):49-56); **lymphomas** (e.g. *Blood* 2017 Mar 28; *PLoS Med* 2016 Dec 13; *Blood* 2016 Sep;128(9):1206-1213; *Blood* 2015 Oct;126(18):2118-2127; *Blood* 2015 Feb;125(6):959-966; *Genome Biol* 2015 Jan;16(1):18; *Nat Genet* 2014 Apr;46(4):329-335; *Blood* 2013 May;121(18):3666-3674; *Blood* 2013 Apr;121(16):3161-3164; *Blood* 2012 May;119(21):4949-4952; *Blood* 2012 Mar;119(9):1963-1971); **leukemias** (eg *Nat Commun* 2016 Nov;7:1333; *Cancer Cell* 2012 Aug;22(2):153-166); *Cancer Cell* 2023 Dec 11;41(12):2117-2135.e12); **rhabdoid tumours** (e.g. *Cancer Cell* 2016 Mar;29(3):394-406; *Cell Rep*. 2019 Nov 19; 29 (8):2338-2354.e7) and **cervical cancers** (e.g. *Nat Genet*. 2020 Aug;52(8):800-810. doi: 10.1038/s41588-020-0673-7).

Dr. Marra co-leads (with Medical Oncologist Dr. Janessa Laskin) the first proof-of-concept study demonstrating the potential of whole genome and transcriptome analysis in personalized cancer genome medicine. As described in ***Genome Biol*** 2010 Aug 9;11(8):R82, a rare cancer falling outside standard treatment guidelines was analyzed using whole genome and transcriptome sequencing before and after treatment. The sequence data were used to inform the choice of cancer treatment options, which were previously undefined for this rare tumor type. Clinical administration of the selected treatment resulted in shrinkage of the tumor and the establishment of stable disease for several months. Significantly, this study was the first to establish that whole genome and transcriptome sequence characterization of tumors can inform the selection of relevant therapeutic approaches for a cancer patient. This achievement led to the creation of British Columbia's Personalized Oncogenomics (POG) program, which has recruited more than 1,700 patients with advanced cancer, involved >80% of the medical oncologists in BC and published >50 manuscripts, including ***Annals of Oncol.*** 2022 Sept; 33(9):939-949. and ***Nature Cancer*** 2020 Apr 13: 1:452-468.

Dr. Marra continues to develop genomic approaches to stratify patients to personalized treatments, particularly for poor prognosis cancers where current treatment strategies are failing cancer patients and their families.

**OTHER MENTORING ACTIVITY:**

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| 01/2014 | Attended and provided feedback to Interdisciplinary Oncology Program students during their Thursday Oncology Trainee Seminars, as part of ONCO 510 course. |
| 10/2012 – 05/2013 | Mentor, Indspire Rivers to Success: Mentoring Indigenous Youth Program |
| 09/2005 – 03/2006 | Mentor, Life Sciences Research Tri-Mentoring Program, University of British Columbia |
| 09/2002 – 2012 | Mentor/Rotation Supervisor, Bioinformatics Training Program |

## GRANTS / FUNDING SUPPORT

### APPLIED FOR

| Granting Agency | Title | Years | Amount | Principal Investigator | Co-Investigator(s) |
|---|---|---|---|---|---|
| Genome Canada | Enhanced Population Cancer Care through Mainstream Genome Sequencing and Parent-of-Origin Detection | 03/01/2025 to 02/28/2029 | Total amount: $10,713,020 | Kasmintan Schrader (NPI), Peter Lansdorp, Steven Jones | Stephen Yip, Alexander Wyatt, Alice Virani, Sophie Sun, Dean Regier, Jennifer Nuk, Marco Marra, and Kim Chi |

### CURRENTLY HELD

| Granting Agency | Title | Years | Amount | Principal Investigator | Co-Applicant(s) |
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|---|---|---|---|---|---|
| BC Cancer Foundation | Personalized OncoGenomics | 07/01/2012 to 03/31/2025 | Total amount: $40,700,000 $3,130,769/yr<br><br>GSC amount: $34,700,000 $2,669,230/yr | Marco Marra and Janessa Laskin | Karen Gelmon, Howard Lim, and Steven Jones |
| Canadian Institutes of Health Research | Exploring the relationship between the genome and the epigenome in cancers | 07/01/2015 to 03/31/2025 | Total amount: $4,149,777 $592,825/yr | Marco Marra | Program Experts: Joseph Connors, Randy Gascoyne, Gregory Cairncross, Michael McManus, Cheryl Arrowsmith, Gregg Morin, and Pamela Hoodless |
| Terry Fox Research Institute | The Enhanced Pancreatic Cancer Profiling for Individualized Care project | 07/01/2017 to 06/30/2025 | Total amount: $4,085,288 $510,661/yr<br><br>GSC amount: $0 | Daniel Renouf, David Schaeffer, Stephen Gallinger, George Zogopoulos, and Oliver Bathe | Gregg Morin, Steven Jones, Jennifer Knox, Sandra Fischer, Marco Marra, Chris O'Callaghan, and Malcolm Moore |
| Terry Fox Research Institute | Marathon of Hope BC Cancer Consortium-BC2C (MOHCCN) | 06/11/2020 to 03/31/2024 | Total amount: $13,056,160 $2,611,232/yr | Marco Marra and Daniel Renouf (Consortium Co-leads) | Christian Steidl, David Scott, Steven Jones, Janessa Laskin, David Schaeffer, Aly Karsan, David Sanford, Martin Hirst, Torsten Neilsen, Samuel Aparicio, Stephen Chia, Rebecca Deyell, and Rod Rassekh |

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| Canada Foundation for Innovation | Cancer Single Cell Dynamics Observatory<br><br>*(Equipment grant)* | 01/01/2021 to 12/31/2025 | Total amount: $5,992,026 $1,198,405/yr | Samuel Aparicio (NPI) | Alexander Bouchard-Cote, Connie Eaves, Marco Marra, Karen Cheung, David Huntsman, Peter Lansdorp, Megan Levings, Josef Penninger, and Christian Steidl |
| Genome BC | Genome BC Marathon of Hope Cancer Centre program (MOH002) | 04/01/2022 to 03/31/2025 | Total amount: $2,000,000 $1,000,000/yr | Marco Marra and Daniel Renouf | Steven Jones |
| Canada Foundation for Innovation | CGEn – A National Platform for Genome Sequencing and Analysis<br><br>*(Innovation Fund)* | 04/01/2022 to 03/31/2026 | Total amount: $28,655,584 $5,731,116/yr<br><br>GSC amount $8,074,281 $1,614,856yr | Stephen Scherer (NPI), Steven Jones, and Mark Lathrop | Marco Marra, Guillaume Bourque, Linlea Armstrong, Nada Jabado, Ioannis Ragoussis, and Lisa Strug |
| Canadian Institutes of Health Research | Discovery of HPV-associated genomic alterations in cervical cancer | 07/01/2022 to 03/31/2027 | Total amount: $420,750 $140,250/yr | Marco Marra | Steven Jones |
| National Institutes of Health | Enlisting HPV integration events to illuminate drivers and target treatment in invasive cervical cancer | 07/01/2022 to 06/30/2027 | Total amount: $183,226 USD $36,645 USD/yr | Janet Rader | Marco Marra |
| Terry Fox Research Institute | The Terry Fox New Frontiers Program Project Grant in Modeling lymphoma evolution and clinical trajectory using multiomics | 09/01/2022 to 08/31/2028 | Total amount: $6,000,000 $1,000,000/yr<br><br>GSC amount: $1,486,196 $247,699//yr | Christian Steidl (NPI), Andrew Roth, Andrew Weng, David Scott, Ryan Morin, Graham Slack, and Marco Marra | Laura Hilton, Connie Eaves, Jeffrey Craig, Andrew Mungall, Adi Steif, and Kerry Savage |
| Canadian Institutes of Health Research | Dissecting the determinants and dynamics of cellular states promoting glioma evolution | 04/01/2023 to 03/31/2028 | Total amount: $1,040,400 $208,080/yr<br><br>GSC amount: $0 | Federico Gaiti | Marco Marra |

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| Canadian Institutes of Health Research | The impact of chromosomal instability on ovarian cancer progression | 04/01/2023 to 03/31/2029 | Total amount: $902,700 $150,450/yr | Adi Steif | Marco Marra |
| Terry Fox Research Institute | Terry Fox Leader in Cancer Genome Science Award | 10/01/2023 to 09/30/2028 | Total amount: $5,000,000 $1,000,000/yr | Marco Marra | |
| Canada Foundation for Innovation | CGEn – Canada's national platform for genome sequencing and analysis<br><br>*(Equipment grant)* | 01/01/2024 to 12/31/2028 | Total amount: $18,496,520 $4,624,130/yr<br><br>GSC amount: $5,942,140 | Stephen Scherer (NPI), Steven Jones, Mark Lathrop | Nada Jabado, Guillaume Bourque, Marco Marra, Kasmintan Schrader, Lisa Strug, Padmaja Subbarao, Ioannis Ragoussis |
| Alberta Cancer Foundation | A patient-derived organoid platform for next level breast cancer research | 04/01/2024 to 03/31/2028 | Total amount: $1,250,000 $312,500/yr | Ing Swie Goping | Marco Marra |
| BC Cancer | ReCon: Targeting Drivers of Lethal Glioma Brain Tumours | 07/01/2024 to 06/30/2027 | Total amount: $1,200,000 | Carol Chen (NPI) | Marco Marra, Rebecca Harrison, Poul Sorensen, Peter Stirling, And Stephen Yip |
| Terry Fox Research Institute | Orthogonal pangenome sequencing to unveil genetic cancer susceptibility diagnostic odysseys: a Return of Results Working Group new technology assessment study | 08/01/2024 to 07/31/2026 | Total amount: $250,000<br><br>GSC amount: $67,000 | George Zogopoulos | Janessa Laskin, Guillaume Bourque, Ioannis Ragoussis, Steven Gallinger, Erica Tsang, Kasmintan Schrader, Marco Marra, Danie Renouf, and Robert Grant |

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| Canada Foundation for Innovation | Multi-omic Analysis of Treatment Resistance and Cancer Heterogeneity (MATCH)<br><br>*(Equipment grant)* | 01/01/2025 to 12/31/2029 | Total amount: $1,000,000 | Marco Marra | |

**COMPLETED**

| Granting Agency | Title | Years | Amount | Principal Investigator | Co-Applicant(s) |
|---|---|---|---|---|---|
| National Institutes of Health (USA) / NHGRI | The Human Genome Sequence: A pilot project | 07/1996 to 06/1999 | Total amount: $18,806,979 USD<br>$626,899/yr<br><br>($28,210,468 CAD<br>$940,348/yr) | Robert H. Waterston | Marco Marra |
| National Institutes of Health (USA) / NHGRI | Enhancing the Value of the *C. elegans* Genome | 01/1998 to 01/2001 | Total amount: $1,091,412 USD<br>$363,804/yr<br><br>($1,637,118 CAD<br>$545,706/yr) | Robert H. Waterston | Marco Marra |
| National Institutes of Health (USA) / NHGRI | Human BAC clone mapping | 07/1998 to 06/2000 | Total amount: $1,580,220 USD<br>$790,110/yr<br><br>($2,370,330 CAD<br>$1,185,165/yr) | Robert H. Waterston | Marco Marra |
| National Institutes of Health (USA) / NHGRI | Isolation of Mouse BAC Clones Anchored to the RH Map | 07/1998 to 06/1999 | Total amount: $351,376 USD<br><br>($527,064 CAD)<br>(one year) | Robert H. Waterston | Marco Marra |
| National Institutes of Health (USA) | Zebrafish Genomic Resource Development | 09/1998 to 09/2001 | Total amount: $743,163 USD<br>$247,721/yr<br><br>($1,114,744 CAD<br>$371,581/yr) | S. Johnson | Marco Marra |

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| National Institutes of Health (USA) / NHGRI | Sequencing the Human Genome | 03/1999 to 02/2004 (ending 2000 for Marco) | Total amount: $27,184,915 USD $543,698/yr ($40,777,732 CAD $815,547/yr) | Robert H. Waterston | Marco Marra |
| National Institutes of Health (USA) / NHGRI | Sequencing the Mouse Genome | 09/1999 to 10/2001 | Total amount: $2,881,731 USD $960,577/yr ($4,411,211 CAD $1,470,403/yr) | John McPherson | Marco Marra |
| National Institutes of Health (USA) / NHGRI | ESTs Obtained for the Tumor Gene Index | 04/1999 to 12/2002 | Total amount: $2,042,784 USD $680,928/yr ($3,064,176 CAD $1,021,392/yr) | Robert H. Waterston | Marco Marra |
| Natural Sciences and Engineering Research Council of Canada | Genome and Transcriptome Analysis of the Human Pathogen *Cryptococcus neoformans* Grant #:228249-99 | 02/2000 to 01/2003 | Total amount: $616,337 $205,445/yr GSC amount: $465,572 $155,190/yr | James Kronstad | Marco Marra, Steven Jones |
| Canada Foundation for Innovation | Team Leaders for Genome Sequence Centre *(Equipment grant)* | 04/2000 to 03/2002 | Total amount: $700,000 (one time amt.) | Marco Marra | Steven Jones |
| National Cancer Institute of Canada | Identifying Molecular Targets for Prevention and Treatment of Lung Cancer | 06/2000 to 06/2003 | Total amount: $874,321 $291,440/yr GSC amount: $165,927 $55,309/yr | Stephen Lam | Marco Marra, Wan Lam, Calum MacAulay, and Jean LeRiche |

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| National Institutes of Health (USA) / NCI | A Molecular Classification of Brain Tumors | 08/2000 to 01/2003 | Total amount: $241,191 USD<br>$80,397/yr<br><br>($370,452 CAD<br>$123,484/yr) | Greg Riggins | Marco Marra |
| National Institutes of Health (USA)/ NCI / SAIC | Full Length cDNA Sequencing<br>Contract #:20XS180 | 08/16/2000 to 02/29/2004 | Total amount: $4,067,426 USD<br>$1,208,659/yr<br><br>($6,124,809 CAD)<br>$1,749,945/yr | Marco Marra | Steven Jones |
| National Institutes of Health (USA) / NIA | Genes with Major Effects on Life Span in *C. elegans*<br>Sub-contract #99154561-1<br><br>*(Contract)* | 08/01/2000 to 07/31/2007 | Total amount: $375,000 USD<br>$75,000/yr<br><br>($532,500 CAD<br>$76,071/yr) | Don Riddle | Marco Marra |
| US Department of Agriculture (USDA) | High Throughput Fingerprinting of BAC Clones to Develop a Bovine Physical Map<br>Agreement #58-5438-0-F143 | 09/2000 to 08/2003 | Total amount: $1,100,000 USD<br>$366,666/yr<br><br>($1,665,000 CAD<br>$555,000/yr) | Marco Marra | |
| Agriculture and Agri-Food Canada | Bovine Genome Project | 03/2001 to 03/2004 | Total amount: $500,000<br>$166,666/yr | Stephen Moore | Marco Marra, Steven Jones, and Bernie Benkel |
| Agriculture and Agri-Food Canada | Sequencing and Evaluation of Random Expressed Sequence Tag (EST) Clones from Wheat Leaf Rust, *Puccinia triticina*, cDNA Libraries | 04/2001 to 03/2002 | Total amount: $69,850<br>(one year) | Guus Bakkaren | Steven Jones, Marco Marra, and Guanggan Hu |
| National Institutes of Health (USA) / NHGRI | Sequencing the Rat Genome | 04/2001 to 03/2003 | Total amount: $1,192,316 USD<br>$397,438/yr<br><br>($1,877,124 CAD<br>$625,708/yr) | John McPherson | Marco Marra |

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| Genome Canada / Genome British Columbia | Genome BC Sequencing and Mapping platform – Competition I, II, Other | 10/01/2001 to 12/31/2005 | Total amount of Operating & Equipment:<br>$24,260,478<br>$4,852,095/yr | Marco Marra | |
| Genome Canada / Genome British Columbia | Cancer Genomics – A multidisciplinary approach to the large-scale high throughput identification of genes involved in early stage cancer | 10/01/2001 to 03/31/2006 | Total amount:<br>$16,740,911<br>$3,348,182/yr<br><br>GSC Amount:<br>$500,850<br>$111,300/yr | Victor Ling, Marco Marra, and Connie Eaves | Allen Eaves, Richard Gallagher, Keith Humphries, Jaclyn Hung, David Huntsman, Marco Marra, Steven Jones, Stephen Lam, Wan Lam, Calum MacAulay, Miriam Rosi, Juergen Vielkind, Jaclyn Hung, Wilf Jeffries, Peter Lansdorp, Nhu Le, James Piret, Neal Poulin, Marianne Sadar, and Isabella Tai |
| Michael Smith Foundation for Health Research | Supplemental Training Program Award (CIHR: Bioinformatics training for health research)<br>Award #TP-SUP-006011 | 03/01/2002 to 02/28/2007 | Total amount:<br>$300,000<br>$75,000/yr | Steven Jones | David Baillie, Philip Hieter, Marco Marra, Fiona Brinkman, Jenny Bryan, Anne Condon, Arvind Gupta, Francis Ouellette, and Frederic Pio |
| Canadian Institutes of Health Research | Bioinformatics Training for Health Research<br>Training Program STP-53919 | 03/01/2002 to 08/31/2009 | Total amount:<br>$2,020,821<br>$224,535/yr<br><br>GSC amount:<br>$1,800,000<br>$225,000/yr | Steven Jones | David Baillie, Phil Hieter, Marco Marra, Fiona Brinkman, Jenny Bryan, Anne Condon, Arvind Gupta, Francis Ouellette, and Frederic Pio |
| Natural Sciences and Engineering Research Council of Canada | Cloning and Characterization of Inxs and Echinus, Two Genes Involved in Programmed Cell Death in *Drosophila* | 04/01/2002 to 03/31/2007 | Total amount:<br>$211,400<br>$42,280/yr | Marco Marra | |

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| Genome Canada / Genome British Columbia | Comparative and Functional Genomics of the Human Pathogen *Cryptococcus neoformans* | 07/01/2002 to 03/30/2005 | Total amount: $1,079,279 $359,757/yr | James Kronstad | Robert Brunham, Marco Marra, Steven Jones, and Colleen Nelson |
| Genome Canada / Genome British Columbia | Expression Profiles of Cells and Tissues in *C. elegans* | 07/01/2002 to 03/31/2005 | Total amount: $3,000,000 $1,000,000/yr<br><br>GSC Amount: $706,426 | David Baillie | Don Moerman, Marco Marra, Steven Jones, Francis Ouellette, Claes Wahlestedt, Erik Sonnhammer, Robert Olafson, Ana Vas Gomes, and Thomas Burglin |
| Genome Canada / Genome British Columbia | Bioinformatics of Mammalian Gene Expression | 07/01/2002 to 03/31/2006 | Total amount: $6,134,386 $1,533,596/yr | Steven Jones and Marco Marra | |
| Canadian Institutes of Health Research | Genomics, Genetics, & Gerontology (G3): A multidisciplinary team for the study of healthy aging | 10/2002 to 03/2003 | Total amount: $5,000 | Marco Marra | Angela Brooks-Wilson |
| Prostate Cancer Research Foundation of Canada | SAGE Analysis of Androgen-Independent Prostate Cancer | 01/2003 to 12/2003 | Total amount: $50,000<br><br>GSC amount: $0 | Marianne Sadar | Marco Marra |
| Genome Canada | SARS – High throughput sequencing and analysis of an emerging pathogen | 03/2003 to 04/2003 | Total amount: $58,400 | Marco Marra | |
| National Institutes of Health (USA) / NCI (SAIC) | SAGE Sequencing of Mouse Genome to Develop an Atlas of Gene Expression<br>Sub-contract # 23XS007 | 04/01/2003 to 03/31/2006 | Total amount: $1,000,000 USD $333,333/yr<br><br>($1,300,000 CAD $433,333/yr) | Marco Marra | |
| Canadian Institutes of Health Research | Genomics, Genetics & Gerontology (G3): A multidisciplinary team for the study of healthy aging<br>Grant #: 116074 | 04/01/2003 to 03/31/2009 | Total amount: $1,159,844 $231,969/yr | Marco Marra and Angela Brooks-Wilson | Steven Jones, Nhu Le, Joseph Connors, and Graydon Meneilly |

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| National Institutes of Health (USA) / NHGRI | Improvements in BAC Fingerprinting and End Sequencing | 04/09/2003 to 11/30/2006 | Total amount: $4,316,678 USD<br>$1,438,893/yr<br><br>($5,902,812 CAD<br>$1,987,020/yr) | Marco Marra | Steven Jones and Jacqueline Schein |
| British Columbia Government / Michael Smith Foundation for Health Research | SAVI (SARS Accelerated Vaccine Initiative) | 05/2003 to 10/2003 | Total amount: $2,600,000<br><br>GSC amount: $0 | Brett Finlay and Robert Brunham | Marco Marra and Caroline Astell |
| Michael Smith Foundation for Health Research | Institutional Infrastructure Proposal for Health Research for the BCCA<br><br>*(Infrastructure grant)* | 06/2003 to 03/2006 | Total amount: $2,198,038<br>$1,099,019/yr<br><br>GS amount: $0 | Victor Ling | M Bally, D Banerjee, A Brooks-Wilson, K Chi, L Chiu, A Coldman, J Connors, S Dedhar, R Doll, R Durand, A Eaves, C Eaves, R Gallagher, D Garner, R Gascoyne, K Gelmon, D Hogge, R Holt, P Hoodless, K Humphries, D Huntsman, S Jones, A Karsan, R Kay, T Keane, G Krystal, S Lam, W Lam, P Lansdorp, W Linden, V Ling, C MacAulay, D Mager, M Marra, L Mayer, M McBride, N Murray, MB Nelson, S O'Reilly, P Olive, I Olivotto, M Rosin, T Ruth, M Sadar, C Smith, and J Spinelli |

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| Genome Canada / Genome British Columbia | A Quantitative and Comprehensive Atlas of Gene Expression in Mouse Development | 07/01/2003 to 03/31/2006 | Total amount: $13,195,524 $4,398,508/yr<br><br>GSC Amount: $4,578,549 $1,526183/yr | Marco Marra and Pamela Hoodless | Elizabeth Simpson, Gregory Riggins, Steven Jones, and Cheryl Helgason |
| Canadian Institutes of Health Research | SARS: A scientific collaborative to support public health response through vaccination | 08/2003 to 08/2004 | Total amount: $500,000<br><br>GSC amount: $0 | Danuta Skowronski | Bob Brunham, David Patrick, Marco Marra, Timothy Booth, David Scheifele, Martin Petric, Babak Pourboholoul, Caroline Astell, Lorne Babiuk, Yosssef Av-Gay, William Bowie, Mel Krajden, Steven Jones, Monka Naus, Valencia Remple, James Russell, Christopher Richardson, Raymond Tellier, Lauren Meyesers, Allison McGeer, Theresa Tam, and Michael Drebot |
| National Institutes of Health (USA) / NHGRI | Sequencing the Mouse Genome (Xenopus full-length cDNA sequencing) | 11/01/2003 to 10/31/2004 | Total amount: $800,000 USD<br><br>($1,040,000 CAD) | Richard Wilson | Marco Marra |
| National Institutes of Health (USA) / NCI (SAIC) | Creation of a Publicly Available SAGE Dataset from NIH Approved Human ES Cell Lines | 12/10/2003 to 05/09/2005 | GSC amount: $330,000 USD $165,000/yr<br><br>($409,200 CAD) ($204,600/yr) | Marco Marra and Connie Eaves | |

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| National Institutes of Health (USA) | Genomic and Proteomic Analysis of Androgen Independent Prostate Cancer<br>Grant #: 1R01CA105304-01 | 04/01/2004 to 02/28/2010 | Total amount: $1,078,854 USD<br>$215,770/yr<br><br>($1,383,750 CAD<br>$276,750/yr) | Marianne Sadar | Marco Marra, Steven Jones, Yuzhou Wang, and Robert Holt |
| NCI-FCRDC / SAIC | Mammalian Gene Collection (MGC) Solicitation S03-105<br><br>*(Contract)* | 06/14/2004 to 09/25/2008 | Total amount: $7,566,411 USD<br>$1,891,602/yr | Marco Marra | |
| Michael Smith Foundation for Health Research | Cancer, the Environment and Occupation (CEO); the program of the Cancer Control Research Unit at the BCCA<br>*(Infrastructure grant)* | 07/01/2004 to 03/31/2009 | Total amount: $724,311<br>$160,958/yr<br><br>GSC Amount: $0 | Richard Gallagher | Angela Brooks-Wilson, Marco Marra, Steven Jones, John Spinelli, Nhu Le, and Chris Bajdik |
| Genome Canada | Bovine Genome Project: Full Insert cDNA Sequencing Plan | 08/01/2004 to 07/31/2007 | Total amount: $6,046,272<br>$2,015,424/yr<br><br>GSC amount: $4,725,523<br>$1,575,174/yr | Marco Marra, Robert Holt, Steven Jones, and Stephen Moore | |
| National Institutes of Health (USA) | Optical Systems for In Vivo Molecular Imaging of Cancer | 09/01/2004 to 08/31/2009 | Total amount: $8,583,213 USD<br>$1,716,642/yr<br>($10,471,519 CAD)<br><br>GSC amount: $133,000 USD ($162,260 CAD) | Michael Descour, Rebecca Richards-Kortum, Calum MacAulay, and Konstantin Sokolov | Karen Adler-Storthz, Steven Jones, Stephen Lam, Wan Lam, Peter Lansdorp, Marco Marra, Wadih Arap, Neely Atkinson, Lezlee Coghlan, Michele Follen, Ann Gillenwated, Martial Guillaud, Walter Hittelman, Miaden Korbelik, Brian Korgel, Mia Markey, Renata Pasqualini, Miriam Rosin, Krishnendu Roy, |

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| | | | | | and William Satterfield |
| Genome Canada | Genomic Tools for Diagnosis and Evaluation of Mental Retardation | 10/01/2004 to 09/30/2007 | Total amount: $5,558,741 $2,779,731/yr<br><br>GSC amount: $2,117,504 $705,834/yr | Jan Friedman and Marco Marra | Steven Jones, Sylvie Langlois, Patrice Eydoux, Bartha Knoppers, Carlo Marra, and Robert Holt<br>Key personnel: Agnes Baross and Allen Delaney |
| Genome Canada | A Genomic Approach to the Identification of the Genetic and Environmental Components Underlying Berry Quality in Grapevine | 11/01/2004 to 10/31/2007 | Total amount: $3,134,481 $1,044,827/yr<br><br>GSC amount: $890,195 $222,548/yr | Jose Martinez-Zapater, and Stephen Lund | Marco Marra, Steven Jones, Patricia Bowen, Robert Olafson, and Joerg Bohlmann |
| Genome Canada | Genome BC Sequencing and Mapping Platform (Applied Genomics & Proteomics) | 01/05/2005 to 12/31/2007 | Total amount: $1,486,231 $495,410/yr | Marco Marra | |
| National Cancer Institute of Canada | Biology of Cancer: Follicular lymphoma as a model of cancer progression | 07/01/2005 to 06/30/2008 | Total amount: $3,540,067 $1,180,022/yr<br><br>GSC amount: $1,892,414 $630,804/yr | Joseph Connors | Randy Gascoyne, Douglas Horsman, and Marco Marra |
| Canada Foundation of Innovation | CMCP (Canadian Molecular Cytogenetics Platform)<br><br>*(Equipment grant)* | 07/01/2005 to 12/31/2009 | Total amount: $11,215,190 $2,803,797/yr<br><br>GSC amount: $2,500,000 $625,000/yr | Jan Friedman | Marco Marra, Oliver Cohen, Regen Drouin, Bartha Knoppers, Peter Lansdorp, Sabine Mai, Guy Rouleau, Jeremy Squire, and Rosanna Weksberg |
| Western Economic Diversification | Next generation sequencing<br><br>*(Equipment grant)* | 12/01/2005 to 12/01/2006 | Total amount: $1,075,000 | Marco Marra | |
| Stem Cell NCE & StemCell Technologies | Development of Technologies for the Derivation, Propagation and Differentiation of hESC | 10/01/2005 to 09/30/2008 | Total amount: $1,722,000 $574,000/yr<br><br>GSC amount: $74,618 | James Piret, Mick Bhatia, Connie Eaves, and Andras Nagy | Keith Humphries, Aly Karsan, Derek van deer Kooy, Peter Lansdorp, Stephen Lye, |

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| | | | $24,872/yr | | Marco Marra, Derrick Rancourt, Janet Rossant, and Peter Zandstra |
| Genome British Columbia / Genome Canada | Genome BC: Large-scale High-throughput Genomics Platforms at BCCA – GSC | 01/01/2006 to 12/31/2008 | Total amount: $8,907,686<br>$2,969,288/yr | Marco Marra, Steven Jones, and Robert Holt | Asim Siddiqui, Martin Hirst, Inanc Birol, Martin Krzywinski, Allen Delaney, Francis Ouellette, and Jacqueline Schein |
| Genome Canada | High Resolution Analysis of Follicular Lymphoma Genomes | 01/01/2006 to 12/31/2009 | Total amount: $9,341,856<br>$2,335,464/yr | Marco Marra, Joseph Connors, and Randy Gascoyne | Douglas Horsman, Martin Krzywinski, Jacqueline Schein, Robert Holt, Steven Jones, and Carlo Marra |
| Genome Canada | Dissecting Gene Expression Networks in Mammalian Organogenesis | 01/01/2006 to 06/30/2010 | Total amount: $7,770,032<br>$1,726,673/yr | Pamela Hoodless and Marco Marra | Aly Karsan, Cheryl Helgason, Steven Jones, Sidney Katz, and Ed Levy |
| Vancouver Foundation | Enriching Genomics in High School Science Curricula | 07/01/2006 to 11/30/2007 | Total amount: $23,500<br><br>GSC amount: $0 | Sidney Katz | Marco Marra |
| Michael Smith Foundation for Health Research | BC Clinical Genomics Network (formerly Expression of Interest for a Family Studies Platform)<br><br>*(Infrastructure grant)* | 04/01/2007 to 09/30/2014 | Total amount: $3,550,000<br>$710,000/yr<br><br>GSC amount: $0 | Jan Friedman and Michael Hayden | Laura Arbour, Jehannine Austin, Leigh Field, Sylvie Langlois, Carlo Marra, Marco Marra, and Sian Spacey |
| Heart and Stroke Foundation of Canada | Dissecting Gene Regulatory Networks in Cardiac Cushion Development | 07/01/2007 to 06/30/2010 | Total amount: $376,416<br>$124,472/yr<br>GSC amount: $0 | Aly Karsan | Pamela Hoodless, Marco Marra, and Steven Jones |
| Michael Smith Foundation for | Model Systems and Cancer Therapeutics | 07/01/2007 to 06/30/2011 | Total amount: $800,000 | Philip Hieter | Samuel Aparicio, David Huntsman, |

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| Health Research | *(Infrastructure grant)* | | $200,000/yr<br><br>GSC amount: $250,000<br>$62,500/yr | | Marco Marra, Don Riddle, Michel Roberge, and Ann Rose |
| National Institutes of Health (USA) | A comprehensive catalog of human Dnasel hypersensitive sites | 09/30/2007 to 01/31/2010 | Total amount: $15,031,440 USD<br>$110,766/yr<br><br>Direct cost: $410,704 USD<br>$102,676/yr<br><br>GSC amount: $0 | John Stamato-yannopolous | Marco Marra and Steven Jones |
| Genome British Columbia | The mountain pine beetle epidemic | 01/01/2008 to 12/31/2009 | Total amount: $4,063,524<br>$2,031,762/yr<br><br>GSC amount: $800,000<br>$400,000/yr | Joerg Bohlmann and Janice Cooke | Brian Aukema, Colette Breuil, Gary Bull, David Coltman, Richard Hamelin, Robert Holt, Dezene Huber, Steven Jones, Chris Keeling, Martin Luckert, Marco Marra, and Felix Sperling |
| Genome Canada | Production-scale deployment of next-generation sequencing instruments | 04/01/2008 to 03/31/2010 | Total amount: $1,912,521<br>$956,260/yr | Marco Marra, Robert Holt, and Steven Jones | Martin Hirst |
| Genome Canada | Towards single cell genomics | 04/01/2008 to 03/31/2010 | Total amount: $1,824,278<br>$912,139/yr<br><br>GSC amount: $990,304<br>$495,152/yr | Carl Hansen and Marco Marra | Samuel Aparicio, Steven Jones, Robert Holt, and Martin Hirst |
| Canadian Institutes of Health Research | SynTarg Discovery Program: Use of a Genome Wide siRNA Screen To Identify Targets that will Enhance Platinum-Containing Chemotherapy when used in First Line Therapy of Non-Small Cell Lung Cancer | 07/01/2008 to 06/30/2011 | Total amount: $477,534<br>$159,178/yr | Marcel Bally | Samuel Aparicio, Steven Jones, Janessa Laskin, and Marco Marra |
| Canadian Cancer Society Research | Biology of Cancer: Insights from Genomic Analyses of Lymphoid Neoplasms | 07/01/2008 to 06/30/2013 | Total amount: $6,284,994<br>$1,256,998/yr | Joseph Connors, Randy | Steven Jones<br>Key personnel: Jacqueline |

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| Institute (formerly National Cancer Institute of Canada) | | | GSC amount: $2,370,516<br>$474,103/yr | Gascoyne, Douglas Horsman, and Marco Marra | Schein, Martin Hirst, Allen Delaney, and Ryan Morin |
| National Institutes of Health (USA) - SAIC - Frederick | Sequencing for Discovery of Candidate Mutations in Lymphoma Transcriptomes<br><br>*(Contract)* | 07/01/2008 to 06/30/2014 | Total amount: $ 14,213,780 USD<br>$2,368,963/yr<br><br>GSC amount: $10,842,220 USD<br>$1,807,036/yr | Marco Marra | Steven Jones, Martin Hirst |
| Canadian Breast Cancer Foundation | Alternative spliced genes in CrkRS/Her2 co-amplified breast cancer | 09/01/2008 to 08/31/2010 | Total amount: $140,000<br>$70,000/yr | Gregg Morin | Marco Marra |
| National Institutes of Health (USA) | Integrated epigenetic maps of human embryonic and adult cells | 09/30/2008 to 06/30/2014 | Total amount: $14,075,540 USD<br>$2,815,108/yr<br><br>GSC amount: $3,890,144 USD<br>$778,028/yr | Marco Marra and Joseph Costello | Steven Jones, Martin Hirst, Robyn Roscoe, Arturo Alvarez-Buylla, Peggy Farnham, Susan Fisher, David Haussler, James Kent, Michael McManus, Thea Tlsty, Ting Wang, Arthur Weiss, Allan Balmain, Pieter De Jong, Joe W. Gray, Gary Karpen, Pui-Yan Kwok, Barbara Panning, Dan Pinkel, Mark Segal, Scott VandenBerg, and Keith Yamamoto |
| US Army Department of Defense | Dissecting genomic and epigenomic heterogeneity in metastatic breast tumors | 01/01/2009 to 06/30/2010 | Total amount: $301,460 USD<br>$150,730/yr<br><br>($317,437 CAD<br>$158,718/yr) | Samuel Aparicio | Marco Marra and Carl Hansen |

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| Genome British Columbia | Genome BC Genomics Platforms at BC Cancer Agency Genome Sciences Centre | 01/01/2009 to 06/30/2011 | Total amount: $6,471,892 $2,588,756/yr | Marco Marra, Steven Jones, and Robert Holt | Inanc Birol, Allen Delaney, Martin Hirst, Richard Moore, and Jacqueline Schein |
| Natural Sciences and Engineering Research Council of Canada | Graduate Program in High-Throughput Biology | 09/01/2009 to 04/01/2015 | Total amount: $1,650,000 $275,000/yr | Stephen Withers | Joerg Bohlmann, Lindsay Eltis, Leonard Foster, Robert Hancock, Carl Hansen, Philip Hieter, Marco Marra, Andre Marziali, and Michel Roberge |
| Canadian Institutes of Health Research | Bioinformatics Training for Health Research | 09/01/2009 to 08/31/2015 | Total amount: $1,950,000 $325,000/yr | Steven Jones and Fiona Brinkman | Paul Pavlidis, David Baillie, Anne Condon, Jack (Nansheng) Chen, Wyeth Wasserman, Cenk Sahinalp, Jenny Bryan, and Marco Marra |
| National Institutes of Health (USA) | Cancer transcriptome characterization using massively parallel DNA sequencing (TCGA)<br><br>*(Contract)* | 09/29/2009 to 06/30/2016 | Total amount: $10,876,230 USD $1,776,158/yr | Marco Marra | Key personnel: Steven Jones, Martin Hirst, Richard Moore, Yongjun Zhao, Allen Delaney, Ryan Morin, Robert Holt, and Robyn Roscoe |
| Canada Foundation for Innovation | Ultra-high-throughput DNA Sequencing Platform for Large Scale Genome Analysis<br>**(Grant #: 20070)**<br><br>*(Equipment grant)* | 01/01/2010 to 03/31/2016 | Total amount: $ 25,810,880 $5,162,176/yr | Marco Marra | Steven Jones, Robert Holt, Samuel Aparicio, David Huntsman, David Baillie, Joerg Bohlmann, Robert Brunham, Philip Hieter, and Jan Friedman |
| British Columbia Knowledge Development Fund | Ultra-high-throughput DNA sequencing platform for large-scale genome analysis<br><br>*(Equipment grant)* | 02/19/2010 to 03/31/2015 | Total amount: (Please refer to CFI grant) | Marco Marra | Steven Jones, Robert Holt, Samuel Aparicio, David Huntsman, David Baillie, Joerg Bohlmann, Robert Brunham, |

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| | | | | | Philip Hieter, and Jan Friedman |
| Canadian Institutes of Health Research | Massively parallel genomic sequencing for clinical identification of mutations that cause intellectual disability | 04/01/2010 to 03/31/2013 | Total amount: $450,873<br>$150,291/yr<br><br>GSC amount: $316,491<br>$105,497/yr | Jan Friedman | Cornelius Boerkoel and Marco Marra |
| California Institute for Regenerative Medicine | Development of Highly Active Anti-Leukemia Stem Cell Therapy (HALT) | 04/01/2010 to 03/31/2015 | Total amount: $18,859,590 CAD<br>$4,714,897/yr<br><br>GSC amount: $4,204,507 CAD<br>$1,051,126/yr | Dennis Carson and John Dick | Catriona Jamieson, Jean Wang, Jayne Danska, and Thomas Kipps,<br>**Collaborators:** Thomas Hudson Kelly Fraser and Marco Marra |
| Canadian Institutes of Health Research | The Terry Fox New Frontiers Program Project Grant in the genomics of forme fruste tumours: new vistas on cancer biology and management | 07/01/2010 to 06/30/2013 | Total amount: $3,126,365<br>$1,042,121/yr<br><br>GSC amount: $486,000<br>$162,000/yr | David Huntsman, Samuel Aparicio, Peter Lansdorp, Marco Marra, Torsten Nielsen, Carl Hansen, Poul Sorensen, and Tully Underhill | Sohrab Shah, Martin Hirst, and Stephen Yip |
| Genome British Columbia | Linking Cholesterol Metabolism, Callousness and Conduct Disorder | 09/01/2010 to 08/31/2011 | Total amount: $120,770 | Cornelius Boerkoel and Marco Marra | Beatrice Golomb, Richard Kelley, and Christele du Souich |
| Cancer Research Society | Characterizing cell-based models for non-Hodgkin's lymphoma | 09/01/2010 to 08/31/2012 | Total amount: $119,964<br>$59,982/yr | Marco Marra | Andrew Mungall and Ryan Morin |
| BC Cancer Foundation | BC Cancer Foundation Innovation Support Fund-2010<br><br>*(Equipment grant)* | 01/01/2011 to 03/31/2011 | Total amount: $11,977 | Marco Marra | |

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| Western Economic Diversification Canada | High throughput DNA sequencers at the BC Cancer Agency Genome Sciences Centre<br><br>*(Equipment grant)* | 02/01/2011 to 03/31/2013 | Total amount: $3,935,000<br>$1,967,500/yr | Marco Marra | |
| Genome Canada | Genomics Innovation Centre at the BC Cancer Agency | 04/01/2011 to 03/31/2013 | Total amount: $6,626,905<br>$3,313,452/yr | Marco Marra, Steven Jones, and Robert Holt | |
| Ontario Institute for Cancer Research | Strategic Plan Initiative Project - Medulloblastoma Advanced Genomics International Consortium | 04/01/2011 to 03/31/2014 | Total amount: $299,726<br>$74,931/yr<br><br>GSC amount: $215,508<br>$71,836/yr | Michael Taylor, Marco Marra, and David Malkin | |
| Canadian Breast Cancer Research Alliance | Genome heterogeneity in predictive models of drug action in triple negative breast cancer | 04/01/2011 to 03/31/2015 | Total amount: $1,153,953<br>$288,488/yr | Samuel Aparicio | Stephen Chia, Connie Eaves, Karen Gelmon, Tak Mak, Marco Marra, Montgomery Martin, and Sohrab Shah |
| National Institutes of Health – SAIC – Frederick | HIV tumour molecular characterization project<br><br>*(Contract)* | 07/08/2011 to 05/31/2017 | Total amount: $15,690,530 USD<br>$2,615,088/yr | Marco Marra | Steven Jones and Martin Hirst |
| National Institutes of Health (USA) | RNAseq and miRNA seq for ovarian cancer samples as part of TCGA<br><br>*(Contract*) | 07/11/2011 to 07/10/2012 | Total amount: $621,103 USD | Marco Marra | |
| Genome Canada/ Canadian Institutes of Health Research | The Canadian Pediatric Cancer Genomic Consortium: Translating next-generation sequencing technologies into improved therapies for high-risk childhood cancer | 07/01/2011 to 09/30/2013 | Total amount: $2,827,359<br>$1,413,679/yr<br><br>GSC amount: $1,384,135<br>$692,067/yr | Poul Sorensen, Conrad Fernandez, Cynthia Hawkins, Annie Huang, Nada Jabado, David Malkin, Daniel Sinnett, and | Guillaume Bourque, Steven Jones, Marco Marra, Alexandre Montpetit, Kirk Schultz, and Stephen Yip |

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| Genome British Columbia | Genomics applied to the management of high-risk AML/myelodysplastic syndromes | 07/01/2011 to 03/30/2014 | Total amount: $3,113,494<br>$1,556,747/yr | Aly Karsan and Marco Marra | Donna Hogge, Steven Jones, Keith Humphries, Stuart Peacock, Peter Chow-White, and Andrew Feenberg |
| Genome Canada | Stratifying and Targeting Pediatric Medulloblastoma Through Genomics (MAGIC) | 07/01/2011 to 03/31/2015 | Total amount: $9,856,814<br>$3,285,604/yr<br><br>GSC amount: $5,244,176<br>$1,748,059/yr | Marco Marra, Michael Taylor, and David Malkin | Carlo Marra, Donald Mabbott, Steven Jones, Stephen Scherer, Cynthia Hawkins, Eric Bouffet, James Rutka, Jennifer Chan, Jennifer Chan, Stephan Pfister, Gary Bader, Yoon-Jae Cho, Scott Pomeroy, and Stephen Clifford |
| Canadian Institutes of Health Research | Centre for Epigenome Mapping Technologies | 01/01/2012 to 12/31/2016 | Total amount: $6,000,000<br>$1,200,000/yr<br><br>GSC amount: $5,161,843<br>$1,032,368/yr | Marco Marra, Martin Hirst, and Steven Jones | Samuel Aparicio, Max Cynader, Connie Eaves, Randy Gascoyne, David Huntsman, Aly Karsan, and Michael Kobor, Joseph Connor, Christian Steidl, Andrew Weng, and Sam Wiseman |
| Lions Club International Foundation | Lions Club International Foundation Equipment Award<br><br>*(Equipment grant)* | 06/01/2012 to 05/31/2012 | Total amount: $147,041 | Marco Marra | |
| Terry Fox Research Institute | Modeling and Therapeutic Targeting of the Clinical and Genetic Diversity of Glioblastoma | 07/01/2012 to 06/30/2018 | Total amount: $8,178,787<br>$3,716,846/yr<br><br>GSC amount: $ 1,858,423<br>$464,605/yr | Gregory Cairncross | Marco Marra, Steven Jones, Samuel Weiss, Stephen Robbins, David Kaplan, and David Mason |

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| BC Cancer Foundation | Graduate student support for lymphoma research in the ANGELYC project | 09/26/2012 to 09/25/2017 | Total amount: $125,000<br>$25,000/yr | Marco Marra and Joseph Connors | |
| BC Cancer Foundation | BC Cancer Foundation Innovation Support Fund - The Milan and Maureen Ilich Foundation<br><br>*(Equipment grant)* | 12/01/2012 to 03/31/2013 | Total amount: $31, 636 | Marco Marra and Angela Brooks-Wilson | |
| NIH-SAIC-Frederick | Molecular characterization and validation of pediatric cancers<br><br>*(Contract)* | 04/01/2013 to 03/31/2015 | Total amount: $3,801,971 USD<br>$1,900,985/yr<br><br>GSC amount: $3,009,173 USD<br>$1,504,586/yr | Marco Marra | |
| Genome Canada | Genome Canada Science and Technology Innovation Centre 2013 | 04/01/2013 to 09/30/2015 | Total amount: $ 8,983,109<br>$4,491,554/yr | Marco Marra, Steven Jones, and Robert Holt | |
| Canada Foundation for Innovation | Compute Canada GSC Node | 04/01/2013 to 03/31/2017 | Total amount: $942,116<br>$235,529/yr<br><br>GSC amount: $711,499<br>$177,874/yr | Marco Marra | |
| Genome Canada | Personalized Treatment of Lymphoid Cancer: British Columbia as Model Province | 04/01/2013 to 03/31/2018 | Total amount: $10,232,800<br>$2,558,200/yr<br><br>GSC amount: $ 3,777,648<br>$944,412/yr | Joseph Connors, Marco Marra, and Randy Gascoyne | Stuart Peacock, Steven Jones, and Christian Steidl |
| BC Cancer Foundation | Pediatric Personalized Genomics | 04/10/2013 to 03/31/2022 | Total amount: $703,889<br>$100,555/yr | Marco Marra | |
| University of British Columbia | Moving the needle for glioblastoma multiforme | 07/01/2013 to 06/30/2018 | $563,142<br>$112,628/yr | Marco Marra | Key personnel: Suganthi Chittaranjan |
| NIH-SAIC-Frederick | Response to Solicitation X13-1093 for additional sequencing in TCGA | 07/03/2013 to 08/15/2014 | Total amount: $357,725 USD | Marco Marra | |

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| | *(Contract)* | | | | |
| The Leukemia and Lymphoma Society of Canada | MLL2 interactions in Non-Hodgkin Lymphomas | 07/01/2013 to 06/30/2015 | Total amount: $120,000<br>$60,000/yr | Marco Marra | Samuel Aparicio |
| Terry Fox Research Institute | The Terry Fox New Frontiers Program Project in Molecular Correlates of Treatment Failure in Lymphoid Cancers | 07/01/2013 to 06/30/2016 | Total amount: $3,885,626<br>$971,406//yr<br><br>GSC amount: $1,453,617<br>$363,404/yr | Randy Gascoyne, Joseph Connors, Marco Marra, Sohrab Shah, and Christian Steidl | Steven Jones |
| American Association of Cancer Research | Immunogenomics to create new therapies for high-risk childhood cancers | 07/01/2013 to 06/30/2017 | Total amount: $1,816,044 USD<br>$454,011/yr<br><br>GSC amount: $348,704 USD<br>$87,176/yr | John Maris, Malcolm Brenner, Donald Parsons, Nabil Ahmed, William Weiss, Stephan Grupp, Javed Khan, Crystall Mackall, Marco Marra, Poul Sorensen, Michael Taylor, and Michael Jensen | |
| Terry Fox Research Institute | The Terry Fox New Frontiers Program Project in The Genomics of Forme Fruste Tumours: New Vistas on Cancer Biology and Treatment | 07/01/2013 to 06/30/2018 | Total amount: $7,500,000<br>$1,500,000/yr<br><br>GSC amount: $486,000<br>$97,200/yr | David Huntsman, Samuel Aparicio, Carl Hansen, Martin Hirst, Marco Marra, Gregg | Stephen Yip, Jessica McAlpine, and Cheng-Han Lee |

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| Canada Foundation for Innovation | Genomics approaches to personalizing cancer diagnosis and treatment<br><br>*(Equipment grant)* | 04/01/2014 to 12/31/2017 | Total amount: $14,204,540 $4,734,846/yr<br><br>GSC amount: $14,140,000 $1,713,333/yr | Marco Marra, Steven Jones, Robert Holt, Aly Karsan, Samuel Aparicio, David Huntsman, Karen Gelmon, Janessa Laskin, Paul Rogers, and Brian Toyota | |
| National Institutes of Health | Princess Margaret Phase 1 Consortium | 04/07/2014 to 02/28/2019 | Total amount: $1,756,985 USD $351,397/ yr | Lillian L. Siu, Daniel Sullivan, Sebastian Hotte, and Kim Chi | Key Personnel: Samuel Aparicio, David Huntsman, Steven Jones, Marco Marra, Daniel Renouf, Christian Kollmannsberger, Anna Tinker, and 38 others |
| Genome Canada | Sequencing Platform at the BC Cancer Agency Genome Sciences Centre-Genomics Innovation Network Node | 04/01/2015 to 03/31/2017 | Total amount: $2,000,000 $1,000,000/yr | Robert Holt | Marco Marra |
| Canada Foundation for Innovation | Canada's Genomics Enterprise (CGEn): A national genomic tools network for transforming life science research<br><br>*(Equipment grant)* | 04/01/2015 to 03/31/2020 | Total amount: $58,435,140 $11,687,028/yr<br><br>GSC amount: $ 20,910,670 $4,182,134/yr | Steven Jones, Stephen Scherer, Mark Lathrop, Guillaume Bourque, Michael | |

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| | | | | Brudno, Robert Holt, Aly Karsan, Marco Marra, Jiannis Ragoussis, and Michael Taylor | |
| Stand-up to Cancer (Canada) / American Association for Cancer Research | Translational development of novel drugs targeting tumor vulnerabilities | 09/01/2015 to 08/31/2019 | Total amount: $9,000,000 CAD<br>$2,250,000/yr<br><br>GSC amount: $0 | Tak Mak, Samuel Aparicio, Morag Park, Kathleen Pritchard, and Karen Gelmon | Francois Benard, Marco Marra, Sohrah Shah, Montgomery Martin, Stephen Chia, and Wendie den Brok |
| Genome Canada | Methods and Technology Development at the Sequencing Platform at the BC Cancer Agency Genome Sciences Centre | 10/01/2015 to 09/30/2017 | Total amount: $2,000,000<br>$1,000,000/yr | Robert Holt and Marco Marra | Steven Jones, Inanc Birol, Carl Hansen, Robin Coope, Andrew Mungall, Ryan Morin, and Robyn Roscoe |
| Stand-up to Cancer (Canada) / American Association for Cancer Research | Targeting Brain Tumour Stem Cell Epigenetic and Molecular Networks | 10/01/2015 to 09/30/2020 | Total amount: $11,791,833 CAD<br>$2,947,958/yr<br><br>GSC amount: $1,372,095<br>$343,023/yr | Peter Dirks, Samuel Weiss, Marco Marra, Mathieu Lupien, Amy Caudy, Michael Tyers, Michael Salter, Michael Taylor, Warren Mason, Trevor Pugh, Nada Jabado, Cheryl Arrowsmith, Gary Bader, and Eric Bouffet | |

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| Genome British Columbia | Northern Biobank Initiative: Phase 2 | 10/01/2015 to 03/31/2022 | Total amount: $1,250,000<br>$312,500/yr | Nadine Caron | Marco Marra |
| Canadian Institutes of Health Research | Development of an automated end-to-end next generation sequencing assay to detect all classes of genetic variant in a single diagnostic test | 04/01/2016 to 03/31/2022 | Total amount: $906,304<br>$302,101/yr | Aly Karsan and Marco Marra | Inanc Birol, Richard Moore, Yongjun Zhao, Robin Coope, Peter Watson, Hagen Kennecke, Cheryl Ho, Ian Bosdet, and Lucas Swanson |
| Terry Fox Research Institute | The Terry Fox Precision Oncology For Young peopLE | 04/01/2016 to 03/31/2023 | Total amount: $5,000,000<br>$1,000,000/yr<br><br>GSC amount: $565,767<br>$113,153/yr | David Malkin | Gregg Morin, Steven Jones and Marco Marra |
| Genome Canada | Automated Tumour Pathology | 07/01/2016 to 09/30/2018 | Total amount: $409,858<br>$204,929/yr<br><br>GSC amount: $363,569<br>$181,784/yr | Marco Marra and Robin Coope | Calum MacAulay |
| Terry Fox Research Institute | Overcoming treatment failure in lymphoid cancers | 07/01/2016 to 12/31/2022 | Total amount: $7,500,000<br>$1,500,000/yr<br><br>GSC amount: $ 2,361,102<br>$472,220/yr | Christian Steidl, Joseph Connors, Marco Marra, Ryan Morin, David Scott, Andrew Weng, Sohrab Shah, and Pedro Farinha | Andrew Mungall, Gregg Morin, Carl Hansen, and Graham Slack |
| National Institutes of Health | Contract 14X292 (Molecular characterization of HIV malignancies) | 08/19/2016 to 04/12/2024 | Total amount: $3,443,583 USD<br>$573,930/yr | Marco Marra | |
| Genome British Columbia | Personalized OncoGenomics 3.0 | 10/31/2016 to 03/31/2020 | Total amount: $2,000,000<br>$500,000/yr | Janessa Laskin and Marco Marra | Steven Jones and Dean Regier |
| Canadian Institutes of Health Research | Centre for Epigenome Mapping Technologies | 02/01/2017 to 01/31/2023 | Total amount: $4,534,483<br>$906,896/yr | Martin Hirst, Marco Marra, and Steven Jones | Samuel Aparicio, Connie Eaves, Pascal Lavoie, |

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| | | | GSC amount:<br>$1,727,800<br>$345,560/yr | | Daniel Renouf, and Kirk Schultz |
| Terry Fox Research Institute | Terry Fox Canadian Comprehensive Cancer Centre Network Pilot (T4CN Pilot) | 04/01/2017 to 03/31/2020 | Total amount:<br>$2,000,000<br>$1,000,000/yr | Francois Benard and Bradley Wouters | Marco Marra, Trevor Pugh, Brad Nelson, Pamela Ohashi, David Jaffray, Alejandro Berlin and Steven Jones |
| Genome Canada | BC Cancer Agency Genome Sciences Centre Genomics Technology Platform | 04/01/2017 to 03/31/2023 | Total amount:<br>$9,641,002<br>$1,606,833yr<br><br>GSC amount:<br>$8,753,776<br>$1,458,962/yr | Marco Marra, Steven Jones, Martin Hirst and Corey Nislow | |
| Genome Canada | Tackling Childhood Brain Cancer at the root to improve survival and quality of life | 04/01/2018 to 03/31/2023 | Total amount:<br>$12,997,400<br>$2,599,480/yr<br><br>GSC amount:<br>$343,634<br>$68,726/yr | Nada Jabado, Jacek Majewski, and Michael Taylor | Claudia Kleinman, Aled Edwards, Cheryl Arrowsmith, Steven Jones, Livia Garzia, Jean Lachanie, Trevor Pugh, Peter Dirks, Marco Marra, Ioannis Ragoussis, Guillaume Bourque, Mathieu Lupien, Mathieu Blanchette, Alexandre Montpetit, Maryam Fouladi, Michael Sundsrom, Lillian Siu, and Vijay Ramaswamy |
| Genome Canada | Silent Genomes: Reducing health care disparities and improving diagnostic success for children with genetic diseases from Indigenous populations | 04/01/2018 to 03/31/2024 | Total amount:<br>$10,400,000<br>$1,733,333/yr | Laura Arbour, Nadine Caron and Wyeth Wasserman | Maja Tarailo-Graovac, Marco Marra, Sonia Anand, Anna Lehman, Jeff Reading, Dean Regier, Stuart Peacock, and Josee Lavoie |

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| Genome Canada | Deciphering the genome biology of relapsed lymphoid cancers to improve patient management | 04/01/2018 to 03/31/2024 | Total amount: $11,926,360 $1,987,726/yr<br><br>GSC amount: $4,724,884 $787,480/yr | Christian Steidl, Marco Marra, David Scott | Joseph Connors, Ryan Morin, Dean Regier, Aly Karsan, and Robert Kridel |
| Canadian Cancer Society Research Institute / Canadian Institutes of Health Research | Dissecting tumour heterogeneity using single cell genomics, epigenomics and transcriptomics | 08/01/2018 to 07/31/2021 | Total amount: $199,150 $99,575/yr | Marco Marra | Samuel Aparicio and Richard Moore<br>Key personnel: Robin Coope, Yongjun Zhao and Simon Haile Merhu |
| University of British Columbia | Dermatology Point-of-Care Intelligent Imaging Network-Digital Pathology | 08/01/2019 to 06/30/2022 | Total amount: $423,074 $211,537/yr | Marco Marra, Steven Jones, and Stephen Yip | Robin Coope (Key personnel) |
| BC Cancer Foundation | Hereditary male breast cancer: characterization of known and novel familial predispositions using short and long reads sequencing technologies | 03/03/2020 to 09/30/2022 | Total amount: $74,891 $37,445yr | Steven Jones and Kashmintan Schrader | MyLinh Thibodeau, Sophie Sun, Aly Karsan, Stephen Yip, Janessa Laskin and Marco Marra |
| Genome British Columbia | Securing Reagent Supplies and Scaling COVID-19 testing in BC | 04/01/2020 to 12/31/2020 | Total amount: $250,000 | Martin Hirst, Mel Krajden, and Natalie Prystajecky | Marco Marra, Robin Coope, Mayor Thibault, Sheila Teves, Ivan Sadowski, Gregg Morin, and Robert Holt |
| Canada Foundation for Innovation | Preparing for the Next Wave: Technology to Detect and Analyze SARS-CoV-2 | 11/20/2020 to 09/30/2021 | Total amount: $401,238 | Marco Marra (NPI), Steven Jones, Martin Hirst, and Natalie Prystajecky | |
| Canadian Cancer Society Research Institute | Long read DNA methylation sequencing for early detection of pancreatic adenocarcinoma | 01/15/2021 to 01/14/2022 | Total amount: $150,000 | Marco Marra (NPI) and Steven Jones | David Schaeffer, Daniel Renouf, and Parveen Bhatti |
| Michael Smith Foundation for Health Research | Creative Knowledge Translation to Support BC Cancer's Personalized OncoGenomics Program | 02/01/2021 to 01/31/2022 | Total amount: $15,000<br><br>GSC amount: $0 | Janessa Laskin | Marco Marra |

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| National Institutes of Health | Contract 21X014F | 02/02/2021 to 08/30/2022 | Total amount: $735,352 USD | Marco Marra | |
| Genome BC | Genome BC Marathon of Hope Cancer Centre program (MOH001) | 10/01/2021 to 09/30/2022 | Total amount: $1,000,000 | Marco Marra and Daniel Renouf | Steven Jones |
| Terry Fox Research Institute | Marathon of Hope Cancer Centre Network, Pathfinder Phase II | 05/01/2023 to 10/31/2024 | Total amount: $218,868 | Steven Jones (NPI) | Marco Marra |

## PATENTS:

1. Compositions and methods for inhibition of CASP3 and CASP7 for cancer therapy. Pending. United States of America. PCT/CA2024/051308. October 2, 2024. Inventors: G. Samarasekera, N.E. Go, C. Choutka, Y. Takemon, **M. Marra**, S. Chittaranjan, SM Gorski.

2. Provisional Patent application "Novel methods for the prediction of treatment response in cancer". Inventors: **Marco Marra** and Yuka Takemon. USPTO Application # 63/679/964, Aug 06, 2024.

3. Patents entitled "Novel biomarkers and targets for ovarian carcinoma". Inventors: Huntsman DG, **Marra M**, Wiegand K, Hirst M, Shah SP. Filed Apr 22, 2011. Granted in Europe, as patent No. EP2561351 (validated in Germany, France and United Kingdom), Canada (patent No. 2797291), China (patent No. 103026227), Brazil (patent No. 112012027104) and Hong Kong (patent No. HK1181846).

4. Patents entitled "Biomarkers for non-hodgkin lymphomas and uses thereof". Inventors: Morin RD, **Marra MA**, Mungall AJ, Hirst M, Mendez-Lago M, Gascoyne RD, Connors JM. Filed June 23, 2011. Granted in Canada (patent No. 2841142) and the United States (patents No. 9,045,801 and 10,113,199). Pending US patent application No. 16/148,576.

## BOOK CHAPTERS

(The names of Dr. Marra's trainees are underlined.)

1. Firme M and **Marra M**. CIC (capicua transcriptional repressor). ***Atlas Genet & Cytogenet Oncol Haematol.*** Jean-Loup Huret (Editor-in-Chief). 2016, 20(5): 250-255. DOI : 10.4267/2042/62773.

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## RESEARCH PUBLICATIONS AND REVIEWS:

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2. Cathy Yan, **Marco A. Marra**. When Less is More: Less Invasive Sample Acquisition Methods for Genomic Profiling of Metastatic Non-Small Cell Lung Cancer.

3. Melika Hanos, Alannah Smrke, Erin Pleasance, Sara Sadeghi, Karen L. Mungall, Eric Chuah, Richard A. Moore, Andy J. Mungall, Howard J. Lim, Daniel J. Renouf, Michael Wright, Torsten Neilsen, Ren Yuan, Chris Jensen**,** Steven J.M. Jones, **Marco A. Marra**, and Janessa Laskin. Pemigatinib is an effective treatment for a novel *FGFR2* fusion associated metastatic gastrointestinal stromal tumour.

### IN REVIEW

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3. Gayathri Samarasekera, Nancy E. Go, Courtney Choutka, Jing Xu, Yuka Takemon, Jennifer Chan, Michelle Chan, Shivani Perera, Samuel Aparicio, Gregg B. Morin, **Marco A. Marra**, Suganthi Chittaranjan, Sharon M. Gorski. Caspase 3 and caspase 7 promote adaptation to non-lethal stress and their dual loss phenocopies PARP1 inhibition. ***PLOS Biol***

4. Nicole Thomas, Carlos García-Prieto, Kostiantyn Dreval, Laura Hilton, Jeremy Abramson, Nancy Bartlett, Jeffrey Bethony, Jay Bowen, Anthony Bryan, Corey Casper, Maureen Dyer, Julie Gastier-Foster, Alina Gerrie, Timothy Greiner, Nicholas Griner, Thomas Gross, Nancy Harris, John Irvin, Elaine Jaffe, Fabio Leal, Sam Mbulaiteye, Charles Mullighan, Andrew Mungall, Karen Mungall, Constance Namirembe, Ariela Noy, Martin Ogwang, Jackson Orem, German Ott, Hilary Petrello, Steven Reynolds, Steven Swerdlow, Alexandra Traverse-Glehen, Wyndham Wilson, **Marco Marra**, Louis Staudt, David Scott, Manel Esteller, and Ryan Morin. DNA methylation epitypes of Burkitt lymphoma with distinct molecular and clinical features. ***Blood Cancer Discovery.***

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7. Chissoe SL, **Marra MA**, Hillier L, Brinkman R, Wilson RK, Waterston RH. Representation of cloned genomic sequences in two sequencing vectors: Correlation of DNA sequence and subclone distribution. ***Nucleic Acids Res*.** 1997;25:2960-2966. PMID: 9224593

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4. **Marra MA**, Baillie DL. Recovery of duplications by drug resistance selection in *Caenorhabditis elegans*. ***Genome*.** 1994;37:701-705. PMID: 7958827

3. McKim KS, Matheson C, **Marra MA**, Wakarchuk MF, Baillie DL. The *Caenorhabditis elegans* unc-60 gene encodes proteins homologous to a family of actin-binding proteins. ***Mol Gen Genet.*** 1994;242:346-357. PMID: 8107682

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**NON-PEER REVIEWED PUBLICATIONS:**

1 Porter VL, O'Neill K, MacLennan S, Corbett RD, Ng M, Culibrk L, Hamadeh Z, Iden M, Schmidt R, Tsaih SW, Chang G, Fan J, Nip KM, Akbari V, Chan SK, Hopkins J, Moore RA, Chuah E, Mungall KL, Mungall AJ, Birol I, Jones SJM, Rader JS, Marra MA. Genomic structures and regulation patterns at HPV integration sites in cervical cancer. bioRxiv. 2023 Nov 5:2023.11.04.564800. doi: 10.1101/2023.11.04.564800. Preprint.

2 Huse JT, Wallace M, Aldape KD, Berger MS, Bettegowda C, Brat DJ, Cahill DP, Cloughesy T, Haas-Kogan DA, **Marra M**, Miller CR, Nelson SJ, Salama SR, Soffietti R, Wen PY, Yip S, Yen K, Costello JF, Chang S. Where are we now? And where are we going? A report from the Accelerate Brain Cancer

Cure (ABC$^2$) Low-grade Glioma Research Workshop. ***Neuro Oncol***. 2014 Jan;16(2):173-178. doi: 10.1093/neuonc/not229.

3 **Marra MA**. Cancer Genomics: Enabling patient rather than disease-driven research. ***Bioscienceworld Magazine***. Feb 2009.

## ACADEMIC PRESENTATIONS:

163. Canadian Epigenetic, Environment and Health Research Consortium Network (CEEHRC) Seminar Series. Vancouver, BC. Sep 20, 2024. "Multiomic Analysis of Pediatric AML."

162. University of British Columbia, Department of Medical Genetics. September Welcome Keynote. Vancouver, BC. Sep 6, 2024.

161. CITAC-CSCI Annual Joint Meeting. Vancouver, BC. Apr 11, 2024. Keynote presentation. "From *C. elegans* genetics to precision cancer genomic medicine, via the Human Genome Project: Reflections on a collaborative scientific journey."

160. CGEn Scientific Advisory Board Meeting. Vancouver, BC. Apr 2, 2024. "Multi-omic Analyses of Treatment Resistance and Cancer Heterogeneity."

159. University of Washington, Department of Genome Sciences. Host: Dr. Elizabeth Buffalo. Apr 10, 2023. "The genomics of treatment resistant cancers".

158. University of British Columbia, Bioinformatics, Integrative Oncology and Genome Sciences Graduate Retreat. Mar 23, 2023. "The genomics of treatment resistant cancers".

157. University of Saskatchewan, Saskatchewan Cancer Agency. Saskatoon, SK. June 19, 2023. "The genomics of treatment resistant cancers."

156. 12$^{th}$ Signalling in Normal and Cancer Cells Conference. Banff, AB. Apr 23 – 27, 2023. Keynote presentation. "The genomics of treatment resistance cancers."

155. University of Alberta, Cancer Research Institute of Alberta, Edmonton, AB. CRINA Connects Seminar Series. Jan 18, 2023. "The genomics of treatment resistant cancers."

154. BC Children's Hospital Research Institute, Vancouver, BC. Nov 21, 2022. "The genomics of treatment resistant cancers."

153. BC Leukemia Network Rapid Fire Talk, Vancouver, BC. Nov 3, 2022. Single cell profiling of primary and relapsed pAML."

152. University of British Columbia. Michael Smith Laboratories Seminar Series. Vancouver, BC. Oct 27, 2022. "The Genomics of Treatment Resistant Cancer."

151. CIHR Institute of Genetics IAB Meeting. Fairmont Hotel Vancouver, BC. May 30, 2022. "Personalized Oncogenomics Program".

150. Realities of Northern Oncology Conference 2022, Prince George, BC. April 28, 2022. "Towards a Canadian national program for genomic profiling of treatment resistant cancers."

149. University of British Columbia-Nanyang Technological University Virtual Symposium on Precision Oncology. Mar 23, 2022. "British Columbia's Personalized Oncogenomics Program" (278 attendees)

148. University of California, Davis. Comprehensive Cancer Center Grand Rounds (Virtual). Apr 27, 2021. "Towards a Canadian national program for comprehensive genomic profiling of treatment resistant cancers."

147. Simon Fraser University. 2021 Molecular Biology and Biochemistry Graduate Colloquium (Virtual). Apr 23, 2021. Keynote presentation. “Towards a Canadian national program for comprehensive genomic profiling of treatment resistant cancers.”

146. 1st International Symposium of CCII -Bioinformatics and its application to cancer and other diseases. (Virtual). Kyoto, Japan. Jan 15, 2021. “Towards a Canadian national program for comprehensive genomic profiling of treatment resistant cancers.”

145. AGBT Annual General Meeting. Marco Island, FL. Feb 23-26, 2020. Keynote presentation. “Towards a Canadian national program for genomic profiling of treatment resistant cancers.”

144. Canadian Anatomic and Molecular Pathology Conference. Whistler, BC. Jan 24-25, 2020. “Cancer Genomics: From Bulk Tissue Cells.”

143. The XV11 Genome Sciences Symposium. University of Washington. Seattle, WA. Nov 7-8, 2019. “Genomics from Worm to Human: In Honor of Bob Waterston”.

142. 10th Annual ImmunoBC Retreat. Vancouver, BC. June 10, 2019. “BC Cancer’s Personalized Oncogenomics (POG) program: Platforms for patient-oriented discovery.”

141. PROOF Centre of Excellence's 10th Anniversary Symposium. University of British Columbia Vancouver, BC. Nov 28, 2018. Keynote presentation. “Genomic, Data Analytics and Health: Perspective from POG”.

140. BC Cancer Summit. Vancouver, BC. Nov 23-24, 2018. “Genome Sciences Centre: Vision and Impact on Cancer Care”.

139. Princess Margaret Cancer Centre’s Applied Cancer Genomics and Tumor Immunotherapy: A Clinical Perspective Symposium. University of Toronto. Toronto, ON. Nov 16, 2018. “Personalized Oncogenomics (POG): Taking Whole Genomes to the Cancer Clinic”. (Keynote speaker)

138. 25th Anniversary of Michael Smith Nobel Prize Award Symposium. University of British Columbia. Vancouver, BC. Oct 1, 2018. “A perspective on the evolution of technology and science at the Genome Sciences Centre”.

137. The Centre de recherche du Centre hospitalier de l'Université de Montréal (CRCHUM) Grand Rounds Seminar. Montreal, QC. June 8, 2018. “From cancer genome landscapes to epigenome dysregulation: perspectives on the evolution of genome science”.

136. Genome BC’s Annual Genomics Forum 2018. Vancouver, BC. May 24, 2018. “Whole genome analysis to support cancer treatment decision making: The Personalized OncoGenomics (POG) Project.”

135. The 7th Annual Norman Bethune Symposium. Vancouver, BC. Apr 10, 2018. Whole genome analysis to support cancer treatment decision making: BC Cancer Personalized Oncogenomics (POG) Project”.

134. The Ottawa Hospital Research Institute 2017 Research Day. Keynote lecture. Ottawa, ON. Nov 9, 2017. “Whole genome analysis to inform cancer treatment planning”.

133. TFRI 8th Annual Scientific Meeting. Marathon of Hope Lecture. Vancouver, BC. Nov 6, 2017. “Genomic approaches to cancer outcomes”.

132. Western Canadian Universities Big Data Health Conference. Banff, AB. Sep 28, 2017. “Whole genome analysis to inform cancer treatment planning”.

131. 2nd Annual Fraser Oncology Education Day. Keynote speaker. Surrey, BC. May 27, 2017. “Cancer and The Genome.”

130. University of British Columbia, Faculty of Medicine First Annual Graduate Student Research Day. Keynote Lecture. Vancouver, BC. May 26, 2017.

129. BC Tech Summit. Keynote address. Vision of the Industry: How Precision Medicine is Changing Lives Now with Life Changing Stories. Vancouver, BC. Mar 15, 2017.

128. University of British Columbia. Data Analysis and Study Design Workshop Series. Epic Data Group Meeting. Vancouver, BC. Feb 16, 2017. The BC Cancer Agency Personalized Oncogenomics (POG) Project.

127. BC Cancer Agency's Cancer Genomics Education Day. Vancouver, BC. Sep 10, 2016. "Cancer - a disease of the genome".

126. University of Toronto. Princess Margaret Cancer Centre Seminar Series. Toronto, ON. June 9, 2016. "Whole genome analysis to support cancer treatment decision making: the BC Cancer Agency Personalized OncoGenomics (POG) Project".

125. University of British Columbia. Dr. Chew Wei Memorial Prize Lecture. Kelowna, BC. May 27, 2016. "Cancer, It's Personal".

124. University of British Columbia. The Vancouver Institute's Annual UBC Excellence in Research Lecture. Mar 5, 2016. "At the frontier of genetic research: recent advances and future possibilities."

123. NHGRI Seminar Series (Human Genome Project 25th Anniversary). Bethesda, MD. Apr 28, 2016. "From BAC clones to cancer genomes: the role of the HGP in launching a career in science." (lecture delivered via video conference)

122. Keystone Symposia Conference: The Cancer Genome. Banff, AB. Feb 7-11, 2016. "The BC Cancer Agency Personalized OncoGenomics (POG) Project."

121. UBC Radiology Grand Rounds. Vancouver, BC. Jan 13, 2016. "Whole genome analysis to support cancer treatment decision making: the Personalized Oncogenomics (POG) Project."

120. 2015 Dr. Chew Wei Memorial Prize Lecture. BC Cancer Agency. Vancouver, BC. Dec 7, 2015. "An evolving perspective on cancer gene discovery".

119. 2015 Canada Gairdner Symposium-Genomics & Cancer. Vancouver, BC. Nov 17, 2015. "Towards Genomic Medicine for Cancer Populations".

118. HUPO 2015 World Congress. Vancouver, BC. Sep 27, 2015. "Towards Genomic Medicine for Cancer Populations: The BC Cancer Agency Personalized Oncogenomics (POG) Project".

117. Personalized Medicine Summit. Vancouver, BC. June 7-9, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

116. 8th Annual Canadian Cancer Immunotherapy Consortium. Vancouver, BC. May 22, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

115. Memorial University of Newfoundland. St. John's, NL. May 11, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

114. Terry Fox Research Institute 6th Annual Scientific Meeting. St. John's, NL. May 8, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

113. 2015 Beatrice Hunter Cancer Research Institute/TFRI Cancer Research Workshop. St. John's, NL. May 6, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

112. 4th Annual Canadian Human and Statistical Genetics Meeting. Vancouver, BC. Apr 20, 2015. "The BC Cancer Agency Personalized Onco-Genomics (POG) Project".

111. University of British Columbia Medical Alumni Association's Tuum Est: Leading Edge Medicine CME Event. Vancouver, BC. Nov 20, 2014. "Sequencing cancer genomes: where to from here?"

110. University of British Columbia. 4th Annual IOP/BTP/GSAT Research Day. Vancouver, BC. Mar 28, 2014. Opening remarks.

109. BC Cancer Agency Radiation Oncology Rounds. Vancouver, BC. Mar 06, 2014. "DNA sequencing for diagnostics and treatment planning."

108. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. "Large Scale Cancer Genome Analysis Exposes Significant Roles for the Epigenome in Cancer Progression".

107. Memorial Sloan-Kettering Cancer Center. Clinical Genomics Seminar Series. New York, NY. June 17, 2013. "Genomic Analysis of non-Hodgkin Lymphomas".

106. Stanford University. 4th Annual Stanford Symposium on Genomics and Personalized Medicine. Stanford, CA. Apr 12, 2013. Keynote speaker. "Next generation cancer sequencing for diagnostics and treatment planning".

105. University of British Columbia Department of Medicine Research Expo. Vancouver, BC. Oct 30, 2012. "Decoding cancers".

104. McGill University. Lady Davis Institute for Medical Research, Jewish General Hospital. Distinguished Seminar Series. Montreal, QC. June 05, 2012. "Decoding cancers".

103. University of British Columbia. Keynote Lecture, Pathology Day. Vancouver, BC. May 25, 2012. "Decoding cancers".

102. University of British Columbia. The 7th Annual Michael Smith Distinguished Research Lecture. Vancouver, BC. Apr 10, 2012. "Sequencing Cancers".

101. 15th Biennial Canadian Neuro-Oncology Meeting. Vancouver, BC. Feb 10, 2012. "Current Trends and Future Directions in Cancer Genomics".

100. University of Northern British Columbia. The Cell & Molecular Biology Interest Group Seminar Series. Prince George, BC. Oct 20, 2011. "Searching for mutations that drive cancers: Early experience in the application of ultra high throughput DNA sequencing".

99. BC Cancer Agency Radiation Oncology Research Symposium. Vancouver, BC. Sep 23, 2011. "Somatic mutations in cancers".

98. University of British Columbia. Department of Medical Genetics September Welcome. Vancouver, BC. Sep 09, 2011. "Genomics, genes, and cancers of the immune system".

97. Keystone Symposia: Changing Landscape of the Cancer Genome, Boston, MA. June 22, 2011. "Do Mutations in Histone Modifying Genes Drive B Cell Lymphomas?"

96. University of British Columbia. The Molecular Epigenetics 'Waddington Lecture'. Vancouver, BC. June 14, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?" Host: Dr. Carolyn Brown.

95. University of Western Ontario. Dr. Maude L. Menten Lecture Series. London, ON. May 27, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?"

94. University of California San Francisco Helen Diller Family Comprehensive Cancer Center Friday Seminar Series. San Francisco, CA. Apr 08, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?"

93. 15th Annual International Conference on Research in Computational Molecular Biology. Vancouver, BC. Mar 30, 2011. Keynote speaker.

92. University of Calgary. Southern Alberta Cancer Research Institute. Calgary, AB. Jan 14, 2011. "Do Mutations in Histone Modifying Genes Drive a Common Human Cancer?"

91. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 26, 2010. "A Report from the Genome Sciences Centre: Cancer Mutation Discovery".

90. Genome BC 8th Annual Genomics Forum and Research Exchange. Vancouver, BC. May 28, 2010. "Genome Sequencing".

89. The Future of Genomic Medicine III Conference. San Diego, CA. Mar 06, 2010. "Individualized Cancer Genomics".

88. Canadian College of Medical Geneticists 33rd Annual Scientific Meeting, Banff, AB. Nov 14, 2009. Symposium Speaker. "New generation sequencing for genome analysis".

87. The American Society of Human Genetics 59th Annual Meeting, Honolulu, Hawaii. Oct 22, 2009. Session speaker. "Transcriptome sequencing for mutation detection and gene expression profiling".

86. University of British Columbia. Centre for High-Throughput Biology Inaugural Symposium, Vancouver, BC. Sep 18, 2009. "Cancer mutation discovery using genome and transcriptome sequencing".

85. BC Clinical Genomics Network Conference. Vancouver, BC. Apr 20, 2009. "Ultra High-Throughput DNA Sequencing Analysis".

84. 10th Annual Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 07, 2009. Plenary Speaker. "Sequencing cancer genomes and transcriptomes: from new technology to cancer treatment".

83. Genome Canada Platform Leaders' Meeting. Montreal, QC. Jan 07, 2009. "Next generation sequencing technologies".

82. 7th Annual New Principal Investigators Meeting. Jackson's Point, ON. Nov 09, 2008. "Scaling up genome and transcriptome sequencing".

81. International Cancer Genome Consortium Scientific Workshop. Toronto, ON. Oct 28, 2008. "Scaling up cancer genome and transcriptome sequencing".

80. University of British Columbia. Adventures in Sciences Seminar Series, Vancouver, BC. Oct 16, 2008. "Discovering mutations in cancer cells".

79. Integrating the Physical and Applied Sciences into Health Research Workshop. Ottawa, ON. Oct 03, 2008. "Changing paradigms in genome analysis".

78. BC Cancer Agency Breast Tumour Group Meeting, Vancouver, BC. June 20, 2008. "Next-generation DNA sequencing and cancer genomics."

77. Genome BC Annual Winter Symposium. Vancouver, BC. Jan 22, 2008. "High resolution analysis of follicular lymphoma genomes."

76. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29, 2007. "High resolution approaches for analysis of follicular lymphoma genomes."

75. NCIC's 60th Anniversary Conference. Toronto, ON. Nov 16, 2007. "High-resolution genome rearrangement discovery in follicular lymphoma."

74. International Cancer Genomics Consortium Meeting. Toronto, ON. Oct 1, 2007. Speaker, World Tour Session.

73. Canadian Society of Biochemistry, Molecular & Cellular Biology's 50th Annual Meeting. Montreal, QC. Jul 06, 2007. Merck Frosst Prize Lecture. "High-resolution genome rearrangements discovery in follicular lymphoma".

72. 16th International Congress of Cytology. Vancouver, BC. May 16, 2007. "High-resolution genome rearrangements discovery in follicular lymphoma"**.**

71. Genome BC Genomics Forum and Research Exchange. Vancouver, BC. Apr 13, 2007. "New sequencing technologies."

70. The University of Alabama at Birmingham. Birmingham, AL. Mar 30, 2007. "Mapping genome rearrangements in follicular lymphoma".

69. BC Cancer Agency's Radiation Oncology Academic Rounds. Vancouver, BC. Jan 25, 2007. "Copy Number Variation in the Human Genome: Recent Advances, Candidate Mechanism, and Possible Relevance to Human Disease Research".

68. Cancer Genomics and Emerging Technologies Conference. Cambridge, MA. Oct 02, 2006. "Mapping genome rearrangements in follicular lymphoma".

67. 37th Annual Environmental Mutagen Society Meeting. Vancouver, BC. Sep 18, 2006. Plenary Speaker. "Variation in human genomes and implications for health research".

66. BC Cancer Agency Radiation Oncology Academic Rounds, Vancouver, BC. June 01, 2006. "Tools for Genome Analysis".

65. Canadian Society of Clinical Chemists Annual Conference. Victoria, BC. June 06, 2006. Symposium Speaker. "Variation in human genomes and implications for health research".

64. University of British Columbia. Michael Smith Laboratories Seminar Series. Vancouver, BC. Apr 06, 2006. "A Physical Map of a Follicular Lymphoma Genome". .

63. Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 2006. "A Physical Map of a Follicular Lymphoma Genome". **(Poster presentation**)

62. Scripps Research Institute. Jupiter, FL. Feb 2006. "A Physical Map of a Follicular Lymphoma Genome". Host: Dr. John Hogenesh.

61. BC Cancer Agency's Lymphoma Group Meeting. Vancouver, BC. Dec 08, 2005. "Towards the Human Cancer Genome Project: A Sequence-Ready Physical Map of a Follicular Lymphoma Genome".

60. 2005 American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 12, 2005. Abstract presentation: "Towards the Human Cancer Genome Project: A Sequence-Ready Physical Map of a Follicular Lymphoma Genome". **(Poster presentation)**

59. BC Cancer Agency's Monday Noon Seminar Series. Vancouver, BC. Nov 2005. "Towards a human cancer genome project: A sequence-ready map of a follicular lymphoma genome".

58. Genome Quebec, Montreal, PQ. May 2005.

57. University of Wisconsin-Madison. Madison, WI. May 2005. "Of Mice and Humans: Digital Gene Expression Profiling at the British Columbia Cancer Agency Genome Sciences Centre".

56. British Columbia Centre for Disease Control. Vancouver, BC. Apr 2005. "A Strategy for Cloning Genome Rearrangements in Follicular Lymphoma".

55. University of Washington Genome Sciences Department. Seattle, WA. Mar 30, 2005. "A Strategy for Cloning Genome Rearrangements in Follicular Lymphoma".

54. University of British Columbia, Faculty of Medicine. Feb 03, 2005. 2004 NCIC Award for Excellence recipient. “Approaches for Identification and Analysis of Genome Rearrangements in Cancer”.

53. National Human Genome Research Institute (NHGRI) Division of Intramural Research, National Institutes of Health. Bethesda, MD. Jan 2005. “Approaches for Identification and Analysis of Genome Rearrangements in Cancer”.

52. University of British Columbia. 2004 Genetics Retreat. Vancouver, BC. Oct 21, 2004. Keynote speaker. “An Overview of the GSC”.

51. University of British Columbia, Michael Smith Laboratories Official Opening. Vancouver, BC. Sep 2004. Symposium speaker.

50. 47th Canadian Federation of Biological Studies Annual Meeting, First Northern Light Conference. Vancouver, BC. June 18, 2004. Symposium Speaker. “Large-scale gene expression profiling in early mammalian development”.

49. National Microbiology Laboratory. Winnipeg, MB. June 2004.

48. University of Northern British Columbia. Prince George, BC. May 2004. “The British Columbia Cancer Agency Genome Sciences Centre”. Host: Molecular Biology Interest Group, UNBC.

47. 5th Annual Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 06, 2004. Plenary Speaker, “Large-scale comparative transcriptome analysis of multiple undifferentiated human embryonic stem cell lines”.

46. 5th Annual Advances in Genome Biology and Technology Conference. Marco Island, FL. Feb 05, 2004. Plenary Speaker, “A Functional Genomics Approach to Autophagic Cell Death Gene Discovery”.

45. BC Cancer Agency’s Medical Oncology Wednesday Seminar Series. Vancouver, BC. Feb 2004. “Genomics and Cancer”.

44. BC Cancer Agency, Vancouver Island Centre. Victoria, BC. Jan 2004. “An Update on the Activities at the Genome Sciences Centre”.

43. 3rd Annual Western Oncology Winter Conference. Sun Peaks, BC. Feb 2003. Plenary Speaker, “BC experience with the Human Genome Project”.

42. University of British Columbia, The Vancouver Institute. Vancouver, BC. Mar 2003. “Genomics Research in BC”.

41. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. “What Can SNPs Tell Us About Cancer Susceptibility?”

40. Duke University Medical Centre Seminar Series. Durham, NC. Oct 2003. “The Genome Sciences Centre at the BC Cancer Agency”.

39. University of British Columbia, Student Biotechnology Network. Vancouver, BC. Sep 2003. “The British Columbia Cancer Agency Genome Sciences Centre: Sequencing the SARS genome”.

38. Genome Canada’s National Genomics Conference. Montreal, PQ. Oct 2002. “Bioinformatics of Mammalian Gene Expression”.

37. Genome Canada’s National Genomics Conference. Montreal, PQ. Oct 2002. “Sequencing and Mapping, Arrays, Proteomics and Bioinformatics Technology Platform”.

36. BC Cancer Agency’s Medical Oncology and Radiation Oncology Rounds. Vancouver, BC. Sept 2002. “Collaborative Opportunities at the BC Cancer Agency at the Genome Sciences Centre”.

35. Annual George M. O'Brien Workshop. Vancouver, BC. June 2002. "The British Columbia Cancer Agency Genome Sequence Centre."

34. Simon Fraser University. Burnaby, BC. May 2002. "An Update on Activities at the British Columbia Cancer Agency Genome Sequence Centre".

33. BC Cancer Agency Vancouver Island Cancer Centre Meeting. Vancouver, BC. Apr 2002. "Collaborative Opportunities at the BC Cancer Agency at the Genome Sciences Centre".

32. BC Cancer Agency Fraser Valley Cancer Clinic. Vancouver, BC. Apr 2002. "Collaborative Opportunities at the BC Cancer Agency at the Genome Sciences Centre".

31. Canadian Bioinformatics Workshop. Vancouver, BC. Feb 20, 2002. "The British Columbia Cancer Agency Genome Sequence Centre – Projects and Prospects".

30. BC Centre for Disease Control. Vancouver, BC. Jan 2002. "An Update on Activities at the British Columbia Cancer Agency Genome Sequence Centre".

29. CIHR (Genetics) and Genome Canada's Joint Workshop on Bioinformatics. Aylmer, PQ. Sep 19, 2001. "Bioinformatics in the Context of a Genome Sequence Centre".

28. XVII World Congress of the International Society for Heart Research. Winnipeg, MB. July 6-11, 2001. "Gene Sequencing and Analysis of Sequence Variation in Human Disease".

27. University of Alberta, Department of Biological Sciences. Edmonton, AB. May 2001. "An Update on Activities at the British Columbia Cancer Agency Genome Sequence Centre."

26. Stem Cell Expression Profiling Workshop: The Stem Cell Network. Toronto, ON. May 2001. "SAGE at the BC Cancer Agency Genome Sequence Centre".

25. University of Calgary, Department of Medical Genetics. Calgary, AB. Apr 2001. "DNA Mapping and Sequencing at the British Columbia Cancer Agency Genome Sequence Centre".

24. Genus Capital Management. Vancouver, BC. Mar 2001. "Genomics – A Report".

23. BC Cancer Agency Annual Clinical Cancer Conference. Vancouver, BC. Nov 2000. "An Update on Activities at the Genome Sequence Centre".

22. Cold Spring Harbor Meeting on Mouse Molecular Genetics. Cold Spring Harbor, NY. Aug 30-Sep 3, 2000. "Fingerprinted BAC Clones for Sequencing the Mouse Genome".

21. University of British Columbia's Biotechnology Retreat, UBC. Vancouver, BC. July 11, 2000. "The Genome Sequence Centre – Projects and Prospects".

20. The Fifth Symposium on Cancer Research: Bridging the Straits of Clinical Cancer Research. Cowichan Bay, BC. Oct 1999. "Genomics Today and Tomorrow".

19. Canadian Association of Medical Oncologists Annual Meeting – "Genes and vaccines". Toronto, ON. Apr 1999. The Human Genome Project: A Platform for Gene Identification.

18. Society of Nematologists Meeting. Monterey, CA. July 609, 1999. "Sequence-based Approaches to Exon Identification in *Caenorhabditis elegans*".

17. 12th Annual Cold Spring Harbor Meeting on Genome Sequencing and Biology. Cold Spring Harbor, NY. 1999. "A Database of Fingerprinted Human BACs".

16. Fourth International Strategy Meeting on Human Genome Sequencing. Cold Spring Harbor, NY. 1999. "BAC Fingerprinting to Support the International Human Genome Sequencing Project".

15. Cold Spring Harbor Advanced Genome Sequencing Analysis Course. Cold Spring Harbor, NY. 1999.

"Large-Scale High-Throughput Map Construction to Support Genome Sequencing".

14. Full-length cDNA cloning: A Workshop on Problems and Solutions, Banbury Center, Cold Spring Harbor, NY. 1998.

13. National Cancer Institute (USA) Tumor Gene Index Steering Committee Meeting. St. Louis, WA. 1998. "Full-length cDNA Sequencing at Washington University Genome Sequencing Center".

12. Mouse Genome Action Plan Workshop. Bethesda, MD. 1998. "A Summary of the Mouse EST Collection".

11. Arabidopsis Genome Workshop. Cold Spring Harbor, NY. 1997. "Construction of Sequence-Ready Contigs from Fingerprinted BACs".

10. National Cancer Institute (USA) Tumor Gene Index Steering Committee M eeting. 1997. "ESTs and the Tumour Gene Index".

9. BC Cancer Agency. Vancouver, BC. 1997. "Large-scale DNA Sequencing and gene discovery: Comparative Genomics, Expressed Sequence Tags and the Human Genome Project".

8. Nematode Evolution Workshop. Madison, WI. 1997. "Comparing the Genomes of *Caenorhabditis elegans* and *Caenorhabditis briggsae* by Large-Scale DNA Sequencing".

7. Zebrafish Genome Workshop. Boston, MA. 1997. "Sequence Tags for Different Genomes".

6. National Human Genome Research Institute, National Institutes of Health (USA). Bethesda, MD. 1997. "The Washington University EST Sequencing Effort".

5. Molecular Helminthology: An integrated approach. Keynote Symposium on Molecular and Cellular Biology. 1996. "Large-Scale DNA Sequencing and Discovery of *Caenorhabditis elegans* genes".

4. University of British Columbia. Vancouver, BC. 1996. "The Human Genome Project at Washington University Genome Sequencing Center".

3. University of Alberta. Edmonton, AB. 1996. "An Update on the *C. elegans* Genome Sequencing Project".

2. International Quality and Productivity Center Meeting: Gene Function Determination. Washington, D.C. 1996. "Advances in the Identification and Validation of Novel Molecular Targets".

1. HUGO meeting. Ile des Embiez, France. 1995. "Sequencing and Mapping ESTs".

**PUBLIC OUTREACH PRESENTATIONS:**

64. TFRI Marathon of Hope Cancer Centres Network Panel Discussion at Terry Fox Foundation Donor Reception. Hosted by Mr. John Kearsey. Toronto, ON. May 23, 2024.

63. Presentation on the TFRI Marathon of Hope Cancer Centres Network to Edward Jones. Hosted by Terry Fox Foundation. Mar 28, 2023.

62. Presentation. The Government of Canada's Pan-Canadian Genomics Strategy Consultations – Leaders' Roundtable (Virtual). June 15, 2022. Leaders' table on the genomics landscape.

61. Presentation. Probus Club of North Shore (Virtual). May 10, 2021. "Genomics – The Future of Cancer Care."

60. Presentation. BC Cancer Foundation. Through a New Lens with BC Cancer: POG (Virtual). Apr 8, 2021.

59. Science Plus (Virtual). Nov 24, 2020. "Update on Personalized Oncogenomics (POG) Project.

58. Science Plus-Personalized Genetics for Patient Treatment. Vancouver, BC. May 30, 2017. “The BC Cancer Agency Personalized OncoGenomics (POG) Project”.

57. Presentation. Probus Club of North Shore. West Vancouver, BC. Apr 10, 2017. “The BC Cancer Agency Personalized OncoGenomics (POG) Project”.

56. Presentation. Rotary Club of White Rock. White Rock, BC. Sep 13, 2016.

55. Presentation. World Presidents’ Organization-BC Cancer Agency Meeting. Vancouver, BC. Apr 18, 2016.

54. Presentation. Eric Hamber Secondary School Grade 9 Science Class. Vancouver, BC. Apr 8, 2016.

53. UBC Mini-Med Health Education Series. Kelowna, BC. Oct 27, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

52. 4th Annual INTERFACE Summit. Vancouver, BC. Sep 30, 2015. “Towards Genomic Medicine for Cancer Populations: The BC Cancer Agency Personalized Oncogenomics (POG) Project”.

51. Northern Health Authority Board Meeting. Prince George, BC. Oct 20, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

50. BC Cancer Foundation Board Meeting. Vancouver, BC. June 3, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

49. Terry Fox Foundation Run Organizer Workshop. Port Coquitlam, BC. May 30, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

48. West Vancouver Community Society’s Forum “Cancer Research in BC - The Courage to Say Cure”. West Vancouver, BC. Mar 31, 2015. “The BC Cancer Agency Personalized Onco-Genomics (POG) Project”.

47. PHSA Research Committee Meeting. Vancouver, BC. Feb 25, 2015. “Cancer sequencing for diagnoses and treatment planning: A genomic perspective”.

46. University of British Columbia Board of Governors’ Meeting. Vancouver, BC. Feb 12, 2015 “Cancer sequencing for diagnoses and treatment planning: A genomic perspective”.

45. Michael Smith Foundation for Health Research Board of Directors’ Meeting. Vancouver, BC. Sep 26, 2014. “Canada’s Michael Smith Genome Sciences Centre”.

44 The Leukemia & Lymphoma Society of Canada’s Journey of Hope Event. Vancouver, BC. June 2014. “Genome analysis reveals major tumor suppressors & oncogenes in lymphomas.”

43. BC Cancer Agency’s Lymphoid Education Forum. Vancouver, BC. Apr 4, 2014. “Genome analysis of lymphoma”.

42. Genome BC Board of Directors’ Meeting. June 7, 2013. Vancouver, BC. “Cancer sequencing for diagnoses and treatment planning: A genomic perspective from the BC Cancer Agency”.

41. Illumina 2013 Global Sales Meeting. Whistler, BC. Feb 06, 2013. “Personalized oncogenomics”.

40. Genome BC’s Bringing Genomics Home Event. Prince George, BC. Nov 15, 2012. “Genomics: What is it and why it matters”.

39. BC Cancer Foundation 2011 Inspiration Gala. Vancouver, BC. Oct 2011. “Personalized Medicine Project”.

38. BC Cancer Foundation Annual Donor Recognition Event. Vancouver, BC. Sep 2011.

37. BC Cancer Foundation Inspiration Gala Cocktail Reception. Vancouver, BC. Sep 2011. “Personalized Medicine Project”.

36. The Leukemia & Lymphoma Society of Canada’s Journey of Hope Event. Vancouver, BC. June 2011. “The work –and vision-of the Genome Sciences Centre”.

35. BC Cancer Agency Clinician-Scientist Retreat “Bridging the Bench to the Bedside”. Vancouver, BC. May 06, 2011. Presentation on “The EZH2 Story”.

34. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2011.

33. University of British Columbia. Dr. Donald Riddle Retirement Symposium. Vancouver, BC. Nov 05, 2010. “DNA sequencing for genome analysis”.

32. BC Cancer Foundation Dinner Event. Vancouver, BC. June 2010. Presentation on brain cancer research.

31. The Leukemia & Lymphoma Society of Canada’s Journey of Hope Event. Vancouver, BC. June 2010.

30. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2010.

29. BC Cancer Agency, Lymphoid Cancer Education Forum. Vancouver, BC. Apr 23, 2010. “DNA Mutations in Follicular and Diffuse Large B Cell Lymphomas”.

28. BC Cancer Foundation Dinner Event. Vancouver, BC. Apr 2010. Presentation on lymphoma research.

27. Provincial Health Services Authority Board of Directors Meeting. Langley, BC. Mar 04, 2010. “Genome Analysis for Cancer Mutation Discovery”.

26. Glenwood 2010 Interdisciplinary Seminar Series. Vancouver, BC. Feb 2010. “Cancer Genomics”.

25. BC Cancer Agency, Brain Tumour Symposium, Richmond, BC. Jan 22, 2010. “Cancer Genetics and Brain Tumour”.

24. Vancouver Chinatown and Arbutus Lions Club Meeting. Vancouver, BC. Dec 2009.

23. BC Cancer Foundation Board Meeting. Vancouver, BC. Sep 2009.

22. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2009.

21. BC Cancer Agency’s Bridging the Gulf Between BC Cancer Clinicians and Scientists Retreat. Squamish, BC. Apr 05, 2009. “Cancer genome and transcriptome sequencing”.

20. BC Cancer Foundation Annual Leadership and Legacy Circle Event. Vancouver, BC. Apr 2009.

19. BC Cancer Agency Genome Sciences Centre’s Forum on Genomic Technologies for Cancer Research. “Genomes, Transcriptomes, and Personalized Medicine”. Vancouver, BC. Dec 11, 2008.

18. BC Cancer Agency, Lymphoid Cancer Translational Research Retreat. Vancouver, BC. Oct 31, 2008. “Genomics”.

17. BC Cancer Foundation’s Leadership and Legacy Circle Event. Vancouver, BC. May 2008.

16. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. May 2008.

15. Presentation, “Genomes and Genomics” ~150 Biology high school students, as part of the MORGEN Project Outreach Program. Vancouver, BC. Oct 2007.

14. Genome BC 2007 Board Retreat. Vancouver, BC. July 10, 2007. “Trends in Science and Technology.”

13. Presentation, The Young Presidents' Organization (BC Chapter) “Involved and Engaged, In the Business or Cancer Research” Event. Vancouver, BC. Apr 2007.

12. Vancouver Chinatown and Arbutus Lions Club Medal of Merit Award Dinner. Vancouver, BC. Feb 2007.

11. Simon Fraser University’s Genomics Mini Symposium. Burnaby, BC. Dec 2006. “New opportunities at the Genome Sciences Centre”.

10. Presentation “An Overview of Genomics/Genomics Technology” , ~150 Biology 11 high school students, as part of the MORGEN Project Outreach Program. Vancouver, BC. Nov 2006.

9. Presentation, The Young Presidents' Organization Canadian Council Visit at the BC Cancer Research Centre. Vancouver, BC. May 2006.

8. Probus Club. Surrey, BC. Nov 10, 2004. “Genomics Research in BC”.

7. Simon Fraser University. Burnaby, BC. June 2004. Convocation address.

6. BC Research Institute for Children’s & Women’s Health Mini Med School. “The SARS Coronavirus Genome Sequence”. Vancouver, BC. 2003.

5. 1st Annual BC Cancer Foundation Leadership Circle Reception. Vancouver, BC. 2003. “The Importance of Research”.

4. Genome British Columbia Board Retreat. Vancouver, BC. 2003. “Maintaining the Momentum – Critical Factors for Genome BC Success”.

3. Introduction to Legislative Assembly & Caucus Briefing. Victoria, BC. 2003. “Genomics 101”.

2. BC Biotech and First Forward present: Bioinformatics for Biotech Executives. Vancouver, BC. 2002. “Bioinformatics at the BCCA Genome Sciences Centre”.

1. Presentation to Canadian Federal Minister of Health Alan Rock. Vancouver, BC. 1999. “Genomics: Prospects and Progress”.

**MEETING ABSTRACTS AND POSTERS (Marra Trainees in bold or underlined)**

1. The Tenth International Symposium on Hereditary and Ovarian Cancer. Montreal, QC. May 6-9, 2025. Cremin C, Akbari V, Cordova L, Leung T, Dixon K, O’Neill K, Hanlon V, Roston AT, Cheung E, Wong K, Sharma A, Shen Y, Senz J, Wang Y, Chan D, Fok A, Nuk J, Bedard A, Oloughlin M, Inglis A, Mindlin A, Shickh S, Asrat M-J, Kahnamelli A, Hong Q, Bilobram S, Chan S, Coope R, Chuah E, Lee H-W, Zhao YJ, Bala M, Mungall K, Mungall A, Moore R, Lefebvre L, Regier D, Virani A, Feldman F, Marra M, Schaeffer D, Renouf D, Sun S, Yip S, Lansdorp P, Jones S, Schrader KA. Parent-of-Origin Prediction of Pathogenic Variant Segregation with Parental Pancreatic Cancer Using Proband-Only Blood Samples. (Poster)

2. BCRA 2025 Symposium. Montreal, QC. May 6-9, 2025. Roston AT, Akbari V, Leung T, Dixon K, O’Neill K, Hanlon V, Cordova L , Wong K, Sharma A, Cheung E, Shen Y, Senz J, Wang Y, Chan D, Fok A, Cremin C, Nuk J, O‘Loughlin1 M, Bedard A, Inglis A, Mindlin A, Shickh S, Asrat M-J, Kahnameli A, Hong Q, Bilobram S, Chan S, Coope R, Chuah E, Lee H-W, Zhao YJ, Bala M, Mungall K, Mungall A, Moore R, Regier D, Virani A, Lefebvre L, Feldman F, Marra M, Schaeffer D, Renouf D, Sun S, Yip S, Bernard B, Lansdorp P, Jones S, Schrader KA. Parent-of-Origin-Aware Genomic Analysis and Supported Direct Contact: A Focus on Patients with Male Breast Cancer. **(Poster)**

3. Digestive Disease Week. San Diego, CA. May 3-6, 2025. Cremin C, Akbari V, Cordova1 L, Leung T, Dixon K, O'Neill K, Hanlon V, Roston AT, Cheung E, Wong K, Sharma A, Shen Y, Senz J, Wang, Chan D, Fok A, Nuk J, Bedard A, Oloughlin M, Inglis A, Mindlin A, Shickh S, Asrat M-J, Kahnamelli A, Hong Q, Bilobram S, Chan S, Coope R, Chuah E, Lee H-W, Zhao YJ, Bala M, Mungall K, Mungall A, Moore R, Lefebvre L, Regier D, Virani A, Feldman F, Marra M, Schaeffer D, Renouf D, Sun S, Yip S, Lansdorp P, Jones S, Schrader KA. Parent-of-Origin Prediction of Pathogenic Variant Segregation with Parental Pancreatic Cancer Using Proband-Only Blood Samples. **(Poster)**

4. The Gordon Research Conference: Single Cell Cancer Biology. Manchester, NH, USA. June 9-14, 2024. **Yan C**, Pleasance E, McConechy M, Shen Y, Nelson J, Laskin J, Marra MA. Single-cell multiomics in precision medicine. **(Poster presentation)**

5. BC Cancer Summit, Vancouver, BC. Nov 21-23, 2024. **MacLennan S, Porter V, Ng M**. Marra M. The epigenomic architecture of extrachromosomal DNAs in cervical cancer. **(Poster presentation)**

6. University of British Columbia. Medical Genetics Research Day. Vancouver, BC. Nov 15, 2024. **MacLennan, S, Porter V, Ng M**, Marra M. The epigenomic architecture of extrachromosomal DNAs in cervical cancer**. (Poster presentation)**

7. International Papillomavirus Conference. Edinburgh, UK. Nov 12-15, 2024. **Ng M, Porter VL**, O'Neill K, Shan JJ, **MacLennan S**, Iden M, Rader JS, Marra MA. Effect of HPV integration on 3D genome structure and function in cervical cancer.

8. International Papillomavirus Conference. Edinburgh, UK. Nov 12-15, 2024. **Porter VL**, O'Neill K, **MacLennan S,** Corbett R, **Ng M**, Culibrk L, Hamadeh Z, Iden M, Schmidt R,Tsaih SW, Nakisige C, Origa M, Orem J, Chang G, Fan J, Nip KM, Akbari V, Chan SK, Hopkins J, Moore RA. Chuah E, Mungall KL, Mungall AJ, Birol I, Jones SJM, Rader JS, Marra MA Rearrangements of viral and human genomes at human papillomavirus integration events and their allele-specific impacts on cancer genome regulation.

9. Canadian Epigenetics, Environment and Health Research Consortium Network (CEEHRC) Conference, Blue Mountain Resort, ON. Oct 1-4, 2024. **MacLennan S, Porter V, Ng M**, Marra M. The epigenomic architecture of extrachromosomal DNAs in cervical cancer. (**Rapid Talk and Poster**).

10. Michael Smith Laboratories (MSL) Poster Session, Vancouver, BC. Nov 2024. **MacLennan S, Porter V, Ng M**, Marra M. The epigenomic architecture of extrachromosomal DNAs in cervical cancer. **(Poster presentation).**

11. EHA-SfPM Precision Medicine Meeting. Copenhagen, Denmark. Sep 25-27, 2024. Krekhno Z, Wee K, Pleasance E, Titmuss E, Shen YQ, Mungall K, Chuah E, Mungall A, Bonakdar M, Taylor G, Csizmok V, Grisdale CJ, Xu M, Dupuis JH, McConechy MK, Nelson J, Yip S, Sun S, Lim H, Renouf D, Jones SJM, Marra MA, Laskin J. Whole genome and transcriptome-assisted immune profiling of metastatic tumours: a precision medicine approach to immunotherapy trial design. **(Abstract, Presentation)**

12. 23rd European Conference on Computational Biology. Turku, Finland. Sep 16-20, 2024**.** Dupuis JH, Csizmok V, O'Neill K, Galbraith A, Akbari V, Wee K, Xu M, Grisdale CJ, Krekhno Z, Shen Y, Taylor GA, Bohm AK, Pleasance E, McConechy MK, Nelson JMT, Chuah E, Mungall KL, Moore RA, Mungall AJ, Marra MA, Laskin J, Jones SJM, Enhancing Precision Cancer Treatment Options Using Combined Short- and Long-Read Sequencing Technologies. **(Poster presentation)**

13. AGBT Precision Health Meeting. Denver, Colorado, USA. Sept 4-6, 2024. **Takemon Y**, Pleasance, ED, Csizmok V, Mungall AJ, Moore RA, Chuah E, Mungall KL, Lewis E, Lim HJ, Renouf DJ, Jones SJM, Laskin J, Marra MA. In silico genetic screening to identify cancer cell vulnerabilities conferred by tumour suppressor gene mutations. **(Poster presentation)**

14. Gynecological Cancer Trainee Research Day. Vancouver, BC. Jun 2024. **Shan C, Ng M, Porter V**, Marra M. Functional investigation of HPV integration in cervical cancer. **(Poster presentation)**

15. 2024 UBC MBIM Undergraduate Research Symposium. Vancouver, BC. Apr 29, 2024. Jain A, Wee K, Pleasance E, Frey C, Abacan M, McConechy M, Laskin J, Marra M and the POG Team. Immune Checkpoint Inhibitors and Tumor Characteristics in Precision Oncology.

16. BC Cancer Summit. Vancouver, Canada. Nov 16 – Nov 18, 2023. **Takemon Y**, Pleasance ED, Csizmok V, Mungall A, Moore RA, Chua E, Mungall KL, Lewis E, Lim HJ, Renoug DJ, Jones SJM, Laskin J, Marra MA. Using KMT2D deficiency as a COMPASS to identify cancer cell vulnerabilities. (**Poster**)

17. BC Cancer Summit. Vancouver, Canada. Nov 16-18, 2023. **MacLennan, S., Porter, V**., Marra, M. Characterizing the heterogeneous genomic and epigenomic landscapes of extrachromosomal DNAs (ecDNAs) in cervical cancer (**Poster**).

18. Cancer Research Conference. Halifax, Canada. Nov 12-14, 2023. **MacLennan, S., Porter, V**., Marra, M. Characterizing the heterogeneous genomic and epigenomic landscapes of extrachromosomal DNAs (ecDNAs) in cervical cancer (**Poster**).

19. Canadian Cancer Research Conference. Halifax, Canada. Nov 12-14, 2023. **Ng M**, **Porter V**, Trinh DL, O'Neill K, Corbett R, Iden M, Rader JS, Marra MA. Effect of HPV integration on 3D genome structure and function in cervical cancer. (**Poster**).

20. Canadian Cancer Research Conference (CCRC; in-person event). Nov 12-14, 2023. **Takemon Y**, Pleasance ED, Csizmok V, Mungall AJ, Moore RA[3], Chuah E, Mungall KL, Lewis E, Lim HJ, Renouf DJ, Jones SJM, Laskin J, Marra MA. Using KMT2D deficiency as a COMPASS to identify cancer cell vulnerabilities. **(Poster)**.

21. UBC Medical Genetics Research Day. Vancouver, Canada. Oct 27, 2023. **MacLennan, S., Porter, V**., Marra, M. Characterizing the heterogeneous genomic and epigenomic landscapes of extrachromosomal DNAs (ecDNAs) in cervical cancer (**Poster**).

22. BC Cancer Research Day. Vancouver, Canada. Sep 29, 2023. **MacLennan, S., Porter, V**., Marra, M. Characterizing the heterogeneous genomic and epigenomic landscapes of extrachromosomal DNAs (ecDNAs) in cervical cancer (**Poster**).

23. Cell Symposia: The Conceptual Power of Single Cell Biology (In-person Event). Aug 28-30, 2023. **Yan C**, Janessa Laskin, Marco A. Marra. Precision medicine for advanced cancers at single-cell resolution. **(Poster).**

24. Bioinformatics, interdisciplinary oncology, genome science and technology (BIG) research day (in-person event). Mar 28, 2023. **Takemon Y** and Marra MA. Application of an *in silico* framework to map genetic networks and elucidate biological functions and vulnerabilities of tumour suppressor genes. **(Poster)**.

25. London Calling (London, UK). May 17-19, 2023. **Porter VL**, O'Neill K, Corbett RD, MacLennan S, Iden M, Mutchler R, Tsaih S-W, Nip, Hamadeh Z, Culibrk L, Fan J, Nip KM, Akbari V, Chan SK, Moore R, Mungall KL, Mungall AJ, Birol I, Jones SJM, Rader JS, Marra MA. Identification of novel genomic structures and regulation patterns at HPV integration events in cervical cancer. (**Poster**).

26. Advances in Genome Biology and Technology (AGBT) General Meeting. Hollywood, FL, USA. Feb 5-9, 2023. **Takemon Y,** Gagliardi A, Chan SY, Trinh DL, Topham JT, Huff RD, Hughes CS, Marra MA. Application of an *in silico* framework to map genetic networks and elucidate biological functions of *KMT2D*, a frequently mutated gene across cancer types. **(Poster presentation and rapid fire talk)**

27. UBC Faculty of Medicine Precision Health Symposium, Feb 2023. Erin Pleasance, Laura Williamson, Yaoqing Shen, Karen Mungall, Eric Chuah, Richard Moore, Andrew Mungall, Jessica Nelson, Stephen Yip, Kasmintan Schrader, Dean Regier, Sophie Sun, Howard Lim, Daniel J. Renouf, Steven Jones, Janessa Laskin, Marco Marra. Precision Cancer Medicine: The Personalized OncoGenomics Program.

28. UBC Faculty of Medicine Precision Health Symposium, Feb 2023. Laura Williamson, Kieran O'Neill, Erin Pleasance, Richard Corbett, Vahid Akbari, Glenn Chang, Andrew Galbraith, Katherine Dixon, Jeremy Fan, **Signe MacLennan, Vanessa Porter**, Richard Moore, Andrew Mungall, all members of the POG team, Janessa Laskin, Marco Marra, Steven Jones. Oxford Nanopore Long Read Sequencing of Advanced Tumours from the Personalized OncoGenomics and Marathon of Hope Cancer Centres Network Study.

29. BC Cancer Summit. Vancouver, Canada. Nov 24- 26, 2022. **MacLennan, S., Porter, V**., Marra, MA. The genomic structures, diversity, and regulation of extrachromosomal DNAs (ecDNAs) in cervical cancer. **(Oral presentation).**

30. 64th American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. , Dec 10-13, 2022. Haya Shaalan, Nicole Thomas, Merrill Boyle, Barbara Meissner, Marco A. Marra, Christian Steidl, David W. Scott, Laura K Hilton, Ryan D. Morin. Blood (2022) 140 (Supplement 1): 9231–9232. https://doi.org/10.1182/blood-2022-159787

31. 64th American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 10-13, 2022. Christopher K Rushton, Ryan N Rys, Elizabeth Chavez, Laura K Hilton, Miguel Alcaide, Kostiantyn Dreval, Matthew Cheung, Manuela Cruz, Krysta M. Coyle, Barbara Meissner, Susana Ben-Neriah, Neil R. Michaud, Scott Daigle, Jordan Davidson, Jasper Wong, Annette E. Hay, Michael D. Jain, Lois E. Shepherd, Marco A. Marra, John Kuruvilla, Michael Crump, Koren Kathleen Mann, Sarit Assouline, Christian Steidl, David W. Scott, Nathalie A. Johnson, Ryan D. Morin. Recurrent Copy Number Alterations Contribute to a Unique Genetic Landscape in Relapsed-Refractory DLBCL. Blood (2022) 140 (Supplement 1): 9259–9260. https://doi.org/10.1182/blood-2022-169623

32. 64th American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 10-13, 2022. Laura K Hilton, Henry S. Ngu, Brett Collinge, Kostiantyn Dreval, Susana Ben-Neriah, Christopher K Rushton, Jasper Wong, Manuela Cruz, Andrew Roth, Merrill Boyle, Barbara Meissner, Graham W. Slack, Pedro Farinha, Jeffrey W. Craig, Alina S. Gerrie, Ciara L. Freeman, Diego Villa, Kerry J. Savage, Laurie H. Sehn, Marco A. Marra, Aly Karsan, Christian Steidl, Ryan D. Morin, David W. Scott. Relapse Timing Is Associated with Distinct Evolutionary Dynamics and Response to Salvage Therapy in DLBCL. Blood (2022) 140 (Supplement 1): 1310–1312. https://doi.org/10.1182/blood-2022-160187

33. 64th American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec10-13, 2022. Kostiantyn Dreval, Laura K Hilton, Krysta M. Coyle, Jasper Wong, Merrill Boyle, Brett Collinge, Manuela Cruz, Barbara Meissner, Christopher K Rushton, Marco A. Marra, David W. Scott, Christian Steidl, Ryan D. Morin. Towards a Unified Genetic Classification System for Diffuse Large B-Cell Lymphoma (DLBCL). Blood (2022) 140 (Supplement 1): 3495–3497. https://doi.org/10.1182/blood-2022-167043.

34. 64th American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 10-13, 2022. Nicole Thomas, Kostiantyn Dreval, Daniela S. Gerhard, Laura K Hilton, Jeremy S. Abramson, Nancy L. Bartlett, Jeffrey Bethony, Jay Bowen, Anthony Bryan, Corey Casper, Maureen Dyer, Manel Esteller, Carlos Garcia-Prieto, Julie M Gastier-Foster, Alina S. Gerrie, Bruno M. Grande, Timothy C. Greiner, Nicholas B. Griner, Thomas G. Gross, Nancy Lee Harris, John D. Irvin, Elaine S. Jaffe, Fabio Leal, Jean Paul Martin, Marie-Reine Martin, Sam M. Mbulaiteye, Charles G. Mullighan, Andrew J. Mungall, Karen Mungall, Constance Namirembe, Ariela Noy, Martin D Ogwang, Jackson Orem, German Ott, Hilary Petrello, Steven J Reynolds, Steven H. Swerdlow, Alexandra Traverse-Glehen, Wyndham H. Wilson, Marco A. Marra, Louis M. Staudt, David W. Scott, Ryan D. Morin. DNA Methylation-Based Burkitt Lymphoma Epitypes Have Distinct Molecular and Clinical Features. *Blood* (2022) 140 (Supplement 1): 1734–1736. https://doi.org/10.1182/blood-2022-163728.

35. Proceedings of the AACR Special Conference on Pancreatic Cancer. Boston, MA. Sep 13-16, 2022. Andrew Metcalfe, Joanna M. Karasinska, James T. Topham, Steve E. Kalloger, Hassan Ali, Dawn Ashforth, Marco A. Marra, Janessa Laskin, Patricia A. Tang, Rachel Goodwin, Oliver F. Bathe, Daniel J.

Renouf, David F. Schaeffer. Targeting SMURF1 with low-dose proteasome inhibitors in pancreatic cancer organoids [abstract]. In: AACR; Cancer Res 2022;82(22 Suppl): Abstract nr B053

36. Proceedings of the AACR Special Conference on Pancreatic Cancer. Boston, MA. Sep 13-16, 2022. Lan V. Tao, James T. Topham, Joanna M. Karasinska, Erica S. Tsang, Andrew Metcalfe, Hassan Ali, Dawn Ashforth, Rachel Goodwin, Patricia A. Tang, Oliver F. Bathe, Janessa Laskin, Marco Marra, Daniel J. Renouf, David F. Schaeffer. Elucidating the role of insulin receptor isoform expression in metastatic pancreatic ductal adenocarcinoma [abstract]. In: AACR; Cancer Res 2022;82(22 Suppl):Abstract nr B066.

37. Annual Research Day - Department of Medical Genetics. Vancouver, Canada. Nov 04, 2022. **MacLennan, S., Porter, V.**, Marra, MA. The genomic structures, diversity, and regulation of extrachromosomal DNAs (ecDNAs) in cervical cancer. **(Oral presentation)**

38. American Society for Human Genetics (ASHG) Meeeting. Los Angeles, USA. Oct 25-29, 2022. **Dixon K**, Shen Y, Hoeschen C, Wong H, Cremin C, Senz J, Lum A, O'Neill K, Ch'ng C, Hong Q, Karasinska J, Topham J, Pleasance ED, Jones M, Zhao E, Young S, Mungall KL, Mungall AJ, Moore R, Ma YP, Fok A, Nelson J, Lee MKC, Yip S, Lim H, Karsan A, Jones SJM, Laskin J, Marra MA, Schaeffer DF, Renouf DJ, Huntsman DG & Schrader KA. Genome and transcriptome landscape of familial pancreatic cancer and implications for altered glucose metabolism in moderate-penetrance cancer susceptibility. **(Oral presentation)**

39. BC Cancer Research Day. Vancouver, Canada. Sep 23, 2022. MacLennan, S., Porter, V., Marra, MA. The genomic structures, diversity, and regulation of extrachromosomal DNAs (ecDNAs) in cervical cancer. **(Oral presentation)**

40. SIOP 2022 International Society of Paediatric Oncology Meeting. Barcelona, Spain. Sep 28-Oct 01 2022. **Lambo S,** Trinh D, Jin D, Wei L, Ries R, Furlan S, Meschinci S, Marra MA. Identifying Mechanisms of Resistance in Pediatric Patients with Acute Myeloid Leukemia using Comprehensive Longitudinal Single Cell Profiling.

41. Gordon Research Conference: Genome Instability, DNA Repair, and Human Diseases. Ventura, CA, USA. July 9-15, 2022. **Takemon Y**, Gagliardi A, Chan SY, Trinh DL, Topham JT, Huff RD, Hughes CS, Marra MA. *In silico* genetic interaction network mapping expands KMT2D's role in maintaining genomic stability. **(Poster presentation)**

42. ICGC ARGO Meeting (Virtual). June 2022. Titmuss E, Corbett RD, Davidson S, Abbasi S, Williamson LM, Pleasance E, Shlien A, Renouf DJ, Jones SMJ, Laskin J, Marra MA. TMBur: A Distributable Tumor Mutation Burden Approach. **(Oral presentation)**

43. ICGC ARGO Meeting (Virtual). June 2022. **Topham JT,** Karasinska JM, Tsang ET, Williamson LM, Jang GH, Metcalfe A, Ali H, Kalloger S, Loree JM, Bathe OF, Tang PA, Goodwin R, Laskin J, Knox J, Gallinger S, Marra MA, Jones S, Schaeffer D, Renouf DJ. Genomic landscape of *KRAS* wildtype pancreatic ductal adenocarcinoma is highly diverse across independent clinical trial cohorts. **(Oral presentation)**

44. Gordon Research Conference - Single-Cell Cancer Biology. Dissecting Evolution and Heterogeneity of Single Cancer Cells. Easton, MA. June 12-17 2022. **Lambo S,** Trinh D, Jin D, Wei L, Ries R, Furlan S, Meschinci S, Marra MA. Identifying Mechanisms of Resistance in Pediatric Patients with Acute Myeloid Leukemia using Comprehensive Longitudinal Single Cell Profiling. **(Oral presentation)**

45. London Calling (Hybird Event). May 18-20, 2022. **Porter VL**, O'Neill K, Corbett R, Culibrk L, Marissa Iden, Rachel Mutchler, Shirng-Wern Tsain, Ka Ming Nip, Vahid Akbari, Simon K. Chan, Karen L. Mungall, Andrew J. Mungall, Inanc Birol, Steven J. M. Jones, Janet S. Rader, Marco A. Marra. Identification of novel genomic structures and regulation patterns at HPV integration events in cervical cancer. **(Oral presentation)**

46. 2022 ASCO Annual Meeting. Chicago, IL. June 3-7, 2022. Regier DA, Weymann D, Chan B, Ho C, Lim HJ, Yip S, Rittberg R, Sun S, Marra MA, Jones SJM, Laskin JJ, Pollard S. Life-cycle health technology assessment for precision oncology.

47. London Calling 2022 (Oxford Nanopore's AGBT-away-from-AGBT) (Hybird Event). May 18-20, 2022. **Akbari V**, O'Neill K, Corbett R, **Porter VL**, Pandoh P, Moore R, Marra MA, Hirst M, Jones SJ. DNA Methylation Analysis In Human Tumor Samples Using Nanpore Sequencing.

48. ICGC-ARGO Research Conference. Virtual. June 2022. Weymann D, Laskin J, Jones ST, Lim HJ, Yip S, Renouf DJ, Schrader KA, Sun S, Marra MA, Regier DA. Downstream patient care and survival impacts of whole-genome and transcriptome analysis for advanced cancers.

49. London Calling (Oxford Nanopore's AGBT-away-from-AGBT) (Hybird Event). May 18-20, 2022. **O'Neill K**, Pleasance E, Dixon K, Akbari V, Fan J, Porter V, Grisdale C, Corbett RD, Taylor G, Shen Y, Mungall KL, Chuah E, Williamson L, Laskin J, Marra MA, Jones S. Nanopore Sequencing for Personalised OncoGenomics. **(Oral presentation)**

50. ICGC-ARGO Research Conference Virtual. June 2022. Laskin J, Pleasance E, Bohm A, Williamson LM, Nelson JMT, Titmuss E, Mungall AJ, Yip S, Regier DA, Weymann D, Schrader K, Sun S, Lim HJ, Renouf DJ, Jones SJM, Marra MA. Assessment of the clinical application of whole genome transcriptome sequencing for people with advanced cancers.

51. AACR Annual Meeting. New Orleans, LA. Apr 8-12, 2022. James Topham, Erica Tsang, Joanna Karasinska, Andrew Metcalfe, Hassan Ali, Steve Kalloger, Veronika Csizmok, Laura Williamson, Emma Titmuss, Hui-Li Wong, Richard Moore, Andrew Mungall, Jonathan Loree, Oliver Bathe, Patricia Tang, Rachel Goodwin, Janessa Laskin, Marco Marra, Steven Jones, David Schaeffer, Daniel Renouf. Analysis of KRAS wildtype pancreatic ductal adenocarcinoma reveals mutation and expression-based similarities to cholangiocarcinoma.

52. 11th Annual BIG Research Day (BIGX). University of British Columbia. Vancouver, BC. Mar 23, 2022. Takemon Y, Gagliardi A, Chan SY, Trinh, DL, Topham JT, Huff RD, Hughes CS, Marra MA. *In Silico* Genetic Interaction Network Expands KMT2D's Role in Maintaining Genomic Stability. **(Rapid-fire talk)**

53. 63rd ASH Annual Meeting and Exposition. Atlanta, GA. Dec 11-14, 2021. Pararajalingam P, Hilton L, Coyle KM, Dreval K, Meissner B, Melnick A, Marra MA2, Scott DW, Morin RD. Complex structural variation associated with enhancer hijacking and loss of tumor suppressors in mantle cell lymphoma.

54. 63rd ASH Annual Meeting and Exposition. Atlanta, GA. Dec 11-14, 2021. Hilton LK, Dreval K, Soudi S, Ben-Neriah S, Cruz M, Collinge B, Coyle K, Grande BM, Duns G, Rushton CK, Boyle M, Meissner B, Farinha P, Slack GW, Mungall AJ, Marra MA, Connors JM, Steidl C, Scott DW, Morin RD. Constrained FL: A Genetically Distinct Subgroup of Follicular Lymphoma with Low Rates of Somatic Hypermutation and a Reduced Propensity for Histologic Transformation.

55. 63rd ASH Annual Meeting and Exposition. Atlanta, GA. Dec 11-14, 2021. Thomas N, Dreval K, Gerhard DS, Hilton LK, Cruz M, Soudi S, Wong J, Abramson JS, Bartlett NL, Bethony J, Bowen J, Bryan AC, Casper C, Dyer M, Gastier-Foster JM, Grande BM, Greiner T, Griner NB, Gross TG, Harris NL, Irvin JD, Jaffe E, Leal F, Martin JP, Martin M-R, Mbulaiteye SM, Mullighan CG, Mungall AJ, Mungall K, Namirembe C, Noy A, Ogwang MD, Orem J, Ott G, Petrello H, Reynolds SJ, Swerdlow SH, Traverse-Glehen A, Wilson WH, Marra MA, Staudt LM, Scott DW, Morin RD. Novel genetic subgroups inform on shared pathobiology within adult and pediatric Burkitt lymphoma.

56. Bioinformatics Open Source Conference (Virtual). July 29-30, 2021. Reisle C, Williamson L, Pleasance E, Bleile D, Davies A, Pellegrini B, Mungall K, Chuah E, Krzywinski M, Pletz RM, Li J, Stevenson R, Wong H, Reisle A, Douglas M, Lewis E, Bonakdar M, Nelson J, Grisdale C, Fisic A, Mitchell T, Renouf

D, Yip S, Laskin J, Marra M, Jones S. Robust variant interpretation in precision oncology using a graph knowledge base. **(Oral presentation)**

57. High Throughput Sequencing (HiTSeq), ISMB/ECCB 2021. (Virtual). July 25-27, 2021. Culibrk L, Pleasance ED, Mungall K, Laskin J, Marra MA, Jones SJM. Investigating tumor genome instability with Ploidetec. **(Poster presentation)**

58. 17th Scientific Workshop / 4th ARGO Meeting (Virtual). Beijing, China. May 14-15, 2021. Titmuss E, Pender A, Pleasance E, Brown S, Grisdale CJ, Topham J, Shen Y, Bonakdar M, Taylor GA, Williamson L, Mungall K, Chuah E, Mungall AJ, Moore RA, Lavoie JM, Yip S, Lim H, Renouf DJ, Sun S, Jones SJM, Holt R, Marra MA, Laskin L. CAPTIV-8: A prospective trial of atezolizumab using a multivariate model incorporating whole genome and transcriptome analysis.

59. American Association for Cancer Research Annual Meeting (Virtual). Apr 10-15, 2021. Williamson L, Rive C, Di Francesco D, Titmuss E, Chun E, Brown S, Milne K, Lee A, Yip S, Dix D, Holt R, Nelson B, Hirst M, Jones S, Rassekh R, Deyell R, Laskin J, Marra M. Response to nivolumab in pediatric chordoma with overexpression of brachyury. **(Poster presentation)**

60. American Association for Cancer Research Annual Meeting (Virtual). Apr 10-15, 2021. Titmuss E, Pender A, Pleasance E, Brown S, Grisdale CJ, Topham J, Shen Y, Bonakdar M, Taylor GA, Williamson L, Mungall K, Chuah E, Mungall AJ, Moore RA, Lavoie JM, Yip S, Lim H, Renouf DJ, Sun S, Jones SJM, Holt R, Marra MA, Laskin L. CAPTIV-8: A prospective trial of atezolizumab using a multivariate model incorporating whole genome and transcriptome analysis. **(Poster presentation)**

61. American Association for Cancer Research Annual Meeting (Virtual). Apr 10-15, 2021. Bohm A, Pleasance E, Titmuss E, Wee K, Taylor G, Bonakdar M, Shen Y, Williamson L, Csizmok V, Jones M, Nelson J, Deol B, Reisle C, Mungall K, Chuah E, Mungall A, Moore R, Sun S, Lim H, Renouf D, Jones S, Marra M, Laskin J. Personalized therapy choice integrating genome and expression data in advanced cancers. **(Oral presentation)**

62. American Association for Cancer Research Annual Meeting (Virtual). Apr 10-15, 2021. Weymann D, Pollard S, Chan B, Titmuss E, Bohm A, Laskin J, Jones SJM, Pleasance E, Nelson J, Fok A, Lim H, Karsan A, Renouf DJ, Schrader KA, Sun S, Yip S, Schaeffer DF, Marra MA, Regier DA. Difference-in-difference analysis of clinical and cost outcomes following genomics-informed advanced cancer treatment . **(Oral presentation)**

63. Virtual Keystone Symposia. Single Cell Biology. Mar 17-19, 2021. LeBlanc VG, Trinh DL, Hughes M, Aslanpour S, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Single-cell landscapes of primary glioblastoma and matched organoids and cell lines reveal variable retention of inter- and intra-tumour heterogeneity.

64. The Annual AGBT Meeting (Virtual). Mar 1-3, 2021. Haile S, Corbett RD, LeBlanc VG, Wei L, Pleasance S, Bilobram S, Brown K, Trinh E, Smith J, Trinh DL, Bala M, Chuah E, Mungall K, Moore RA, Mungall AJ, Coope RJ, Zhao Y, Jones SJ, Marra MA. A larger scale strand-specific protocol for full-length total RNA sequencing from single cells. **(Poster presentation)**

65. Society of Interventional Oncology 2021 Annual Scientific Meeting (Virtual). Feb 3-6, 2021. Wong SK, Shen Y, Weymann D, Nelson J, Shirvani D, Fisic A, Mungall AJ, Yuan R, Martin M, Ferguson DJ, Cafferty J, Laskin J, Marra MA, Lim HJ, Mar C. British Columbia's Personalized Oncogenomics Research Program: Predictors of Biopsy Success for Genomic Analysis.

66. 2021 Gastrointestinal Cancers Symposium (Virtual). Jan 15-17, 2021. Tsang ES, Csizmok V, Williamson L, Pleasance ED, Topham JT, Karasinska J, Titmuss E, Schrader KA, Cafferty F, Yip S, Tessier-Cloutier B, Mungall K, Sun S, Lim HJ, Loree JM, Laskin JJ, Marra MA, Jones SJM, Schaeffer DF, Renouf DJ. Beyond BRCA? clinical utility of homologous recombination deficiency in gastrointestinal cancers.

67. 1st International Symposium of CCII - -Bioinformatics and its application to cancer and other diseases (Virtual). Jan 15, 2021. Chun H-J E, Johann PD, Milne K, Zapatka M, Buellesbach A, Ishaque N, Iskar M, Erkek S, Wei L, Tessier-Cloutier B, Lever J, Titmuss E, Topham J, Bowlby R, Chuah E, Mungall KL, Ma Y, Mungall AJ, Moore RA, Taylor MD, Gerhard DS, Jones SJM, Korshunov A, Gessler M, Kerl K, Hasselblatt M, Frühwald MC, Perlman EJ, Nelson BH, Pfister SM, Kool M, Marra MA. Comparative analyses of extra-cranial and cranial rhabdoid tumours reveal subgroups with cytotoxic T cell infiltration**.**

68. 62nd ASH Annual Meeting and Exposition (Virtual). Dec 5-8, 2020. Thomas N, Grande BM, Mungall AJ, Mungall K, Bowen J, Petrello H, Bryan T, Gerhard DS, Marra MA, Staudt LM, Morin RM. Key genetic and molecular aberrations identified in EBV-positive Burkitt lymphoma cell lines.

69. 62nd ASH Annual Meeting and Exposition (Virtual). Dec 5-8, 2020. Wei L, Trinh D, Ries R, Jin D, Corbett R, Smith JL, Furlan S, Meshinchi S, Marra MA. Integrative analysis of single-cell RNA-seq and ATAC-seq data across treatment time points in pediatric AML. ***(Blood. Nov 5, 2020, Vol 136, Suppl 1)***

70. 62nd ASH Annual Meeting and Exposition (Virtual). Dec 5-8, 2020. Rushton CK, Alcaide M, Cheung M, Michaud N, Daigle S, Rys RN, Arthur S, Zymiak M, Davidson J, Bushell K, Yu S, Jain M, Shepherd L, Marra MA, Kuruvilla J, Crump M, Mann K, Assouline S, Connors JM, Steidl C, Johnson N, Scott DW, Morin RD. The copy number landscape of relapsed and refractory diffuse large B-cell lymphoma. ***(Blood. Nov 5, 2020, Vol 136, Suppl 1)***

71. AACR Immunology and Immunotherapy Virtual Conference. Oct 19-20, 2020. Titmuss E, Pender A, Pleasance E, Fan K, Pearson H, Brown S, Grisdale CJ, Topham J, Shen Y, Bonakdar M, Taylor GA, Williamson L, Mungall K, Chuah E, Mungall AJ, Moore RA, Lavoie JM, Yip S, Lim H, Renouf DJ, Sun S, Jones SJM, Holt R, Marra MA, Laskin J. CAPTIV-8: A prospective trial of atezolizumab using a multivariate model incorporating whole genome and transcriptome analysis.

72. 2020 NANETS Multidisciplinary NET Medical Virtual Symposium. Oct 2-3, 2020. Yang KC, Kalloger S, Aird J, Lee M, Rushton C, Spencer S, Mungall K, Mungall A, Colborne S, Morin RD, Loree JM, Marra MA, Renouf DJ, Morin GB, Schaeffer DF, Gorski SM. Proteotranscriptomic classification and characterization of pancreatic neuroendocrine neoplasms.

73. Special Conference on Pancreatic Cancer of American Association for Cancer Research (AACR). Sep 29-30, 2020. Yang KC, Kalloger S, Aird J, Lee M, Rushton C, Spencer S, Mungall K, Mungall A, Colborne S, Morin RD, Loree JM, Marra MA, Renouf DJ, Morin GB, Schaeffer DF, Gorski SM. Proteotranscriptomic classification and characterization of pancreatic neuroendocrine neoplasms. ***(Cancer Res. Nov 2020; 30(22): PR 009)***

74. 2020 BC Cancer Virtual Research Day. Sep 21, 2020. Porter VL, Gagliardi A, Titmuss E. Bowlby R, Zong Z, Namirembe C, Griner N, Petrello H, Bowen J, Chan S, Culibrk L, Darragh T, Stoler MH, Wright T, Gesuwan P, Dyer M, Ma Y, Mungall KL, Jones SJM, Nakisige C, Novik K, Orem J, Origa M, Gastier-Foster JM, Yarchoan R, Casper C, Mills G, Rader JS, Ojesina A, Gerhard DS, Mungall AJ, Marra MA. Analysis of Ugandan cervical carcinomas identifies human papillomavirus clade–specific epigenome and transcriptome landscapes.

75. 28th Conference on Intelligent Systems for Molecular Biology (Virtual). July 13-16, 2020. Grewal JK, Pleasance E, Csizmok V, Williamson L, Bleile D, Wee K, Shen Y, Tessier-Cloutier B, Yip S, Renouf D, Laskin J, Marra M, Jones SJM. Single-sample pathway analysis using Pathway Impact Evaluation (PIE) of machine-learning based cancer classifiers. **(Poster presentation; 2nd Prize in Best Poster category in Translational Medicine)**

76. 17th Annual European-Neuroendocrine-Tumor-Society (ENETS) Conference. Mar 11-13, 2020. Yang KC, Kalloger S, Aird J, Lee M, Colborne S, Loree JM, Marra MA, Morin GB, Renouf DJ, Schaeffer DF, Gorski SM. Pancreatic Neuroendocrine Neoplasms: Dissecting the Molecular Heterogeneity. ***(Neuroendocrinol. 2020 Mar; 110:56 Suppl 1)***

77. USCAP 109th Annual Meeting. Los Angeles, CA. Feb 29-Mar 5, 2020. Naso JR,Topham JT, Lee MCK, Kalloger SE, Karasinska JM, Laskin J, Marra MA, Renouf DJ, Schaeffer DF. Association of Inflammatory Cell Infiltrates with Signatures of Immunogenicity in Metastatic Pancreatic Adenocarcinoma. ***(Lab Invest. 2020 Mar; 100:1664-1665 Suppl 1)***

78. The 20th Annual AGBT Meeting. Marco Island, FL. Feb 23-26, 2020. Zhao YJ, Haile S, Rogic S, Corbett RD, Bilobram S, Smailus D, Pandoh P, Kirk H, McDonald H, Bowlby R, Mungall KL, Chuah E, Coope R, Mungall AJ, Moore R, Jones S, Stowe R, Marra MA. Automated RNA Extraction and Library Construction Protocols for Strand-Specific RNA Sequencing from Blood Samples. **(Poster presentation)**

79. The 20th Annual AGBT Meeting. Marco Island, FL. Feb 23-26, 2020. Gagliardi A, Porter V, Titmuss E, Zong Z, Bowlby R, Namirembe C, Griner N, Petrello H, Bowen J, Chan S, Darragh TM, Stoler MH, Wright TC, Gesuwan P, Dyer M, Ma Y, Mungall KL, Nakisige C, Novik K, Orem J, Origa M, HTMCP Working Group, Gastier-Foster J-M, Yarchoan R, Casper C, Mills G, Rader JS, Ojesina A, Gerhard DS, Mungall AJ, Marra MA. Analysis of Ugandan cervical carcinomas reveals human papillomavirus clade-specific epigenome and transcriptome landscapes. **(Poster presentation)**

80. The 20th Annual AGBT Meeting. Marco Island, FL. Feb 23-26, 2020. Coope RJN, Pleasance S, Pandoh P, Schlosser C, Corbett R, Zhao YJ, Mungall A, Moore R, Marra MA. Rapid Microdissection of Tissue Sections via Laser Ablation. **(Poster presentation)**

81. The 20th Annual AGBT Meeting. Marco Island, FL. Feb 23-26, 2020. Chuah E, Reisle A, Lim C, Schlosser C, Spothelfer D, Yang J, Reisle C, Davies A, Lewis E, Nelson J, Wang S, Mungall K, Ma Y, Yip S, Marra M, Jones S, Coope R. A platform for annotation and sharing of pathology imaging and integration with personalized genomic data. **(Poster presentation)**

82. 61st ASH Annual Meeting and Exposition. Orlando, FL. Dec 7-10, 2019. Coyle KM, Pararajalingam P, Arthur SE, Thomas N, Alcaide M, Meissner B, Boyle M, Grande BM, Rushton C, Tooman L, Slack GW, Mungall AJ, Gascoyne RD, Steidl C, Connors JM, Villa D, Marra MA, Johnson N, Scott DW, Morin RD. Mutations affecting RNA binding proteins are a novel feature of mantle cell lymphoma.

83. 61st ASH Annual Meeting & Exposition. Orlando, FL. Dec 7-10, 2019. Wei L, Ries R, Plettner P, Mungall K, Mungall A, Meshinchi S, Marra MA. Transcriptome Analysis of Pediatric AML Reveals Non Protein-Coding RNAs Associated with Poor Survival Outcome and Treatment Resistance. **(Poster presentation)**

84. BC Cancer Summit. Vancouver, BC. Nov 21-23, 2019. Tsang ES, Grisdale CJ, Pleasance E, Yip S, Cloutier B, Mungall K, Ng T, Sun S, Lim HJ, Renouf DJ, Laskin J, Marra M, Jones S, Loree JM. Uncovering Clinically Relevant Gene Fusion Events with Integrated Genomic and Transcriptomic Profiling.

85. BC Cancer Summit. Vancouver, BC. Nov 21-23, 2019. Weymann D, Pollard S, Laskin J, Jones SJM, Titmuss E, Pleasance E, Lim H, Karsan A, Renouf DJ, Roscoe R, Ho C, Levasseur N, Schrader KA, Sun S, Yip S, Marra M, Regier DA. An observational study protocol examining the real-world clinical effectiveness of whole genome and transcriptome analysis to guide advanced cancer care. **(Poster presentation)**

86. BC Cancer Summit. Vancouver, BC. Nov 21-23, 2019. Chun H-J E, Johann PD, Milne K, Zapatka M, Buellesbach A, Ishaque N, Iskar M, Erkek S, Wei L, Tessier-Cloutier B, Lever J, Titmuss E, Topham J, Bowlby R, Chuah E, Mungall KL, Ma Y, Mungall AJ, Moore RA, Taylor MD, Gerhard DS, Jones SJM, Korshunov A, Gessler M, Kerl K, Hasselblatt M, Frühwald MC, Perlman EJ, Nelson BH, Pfister SM, Kool M, Marra MA. Identification and analyses of extra-cranial and cranial rhabdoid tumour molecular subgroups reveal tumours with cytotoxic T cell infiltration. **(Poster presentation)**

87. BC Cancer Summit. Vancouver, BC. Nov 21-23, 2019. Takemon Y, Chittaranjan S, Song J, Chan SY, Lee SD, LeBlanc VG, Marra MA. *In-silico* predictions of synthetic lethal interactions in CIC-mutated cancers.

88. The Canadian Cancer Research Conference. Ottawa, ON. Nov 3-5, 2019. Takemon Y, Chittaranjan S, LeBlanc VG, Lee SD, Song J, Chan SY, Marra MA. Application of *in-silico* predictions of synthetic lethal interactions in CIC-mutated cancers.

89. The Canadian Cancer Research Conference. Ottawa, ON. Nov 3-5, 2019. Porter VL*, Gagliardi A*, Mungall AJ, Bowlby R, Titmuss, Zong SZ, Chan S, Mungall K, Novik K, Gerhard DS, Marra MA. *co-first author. Human papillomavirus displays clade-specific epigenome and transcriptome dysregulation in cervical carcinomas.

90. 44th Congress of the European-Society-for-Medical-Oncology (ESMO). Barcelona, Spain. Sep 27-Oct 1, 2019. Pender A, Titmuss E, Pleasance E, Fan K, Pearson H, Bonakdar M, Taylor G, Mungall K, Moore R, Lavoie J-M, Yip S, Lim H, Renouf D, Jones S, Marra M, Laskin J. Predictive markers of checkpoint inhibitor activity in adult metastatic solid tumours. ***(Ann Oncol. 2019 Oct; 30 Suppl 5)***

91. AACR Special Conference on the Advances in Pediatric Cancer Research. Montreal, QC. Sep 17-19, 2019. Garancher A, Suzuki H, Haricharan S, Masihi MB, Rusert JM, Norris PS, Carrette F, Romero MM, Morrissy SA, Skowron P, Cavalli FMG, Farooq H, Ramaswamy V, Morcavallo A, Henderson JJ, Olson JM, Cho YJ, Li XN, Chesler L, Marra MA, Becher OJ, Bradley LM, Ware CF, Taylor MD, Wechsler-Reya RJ. Overcoming immune evasion in pediatric brain tumors. ***(Cancer Res. 2020 Jul; 80(14):22-23 Suppl S)***

92. AACR Special Conference on Pancreatic Cancer - Advances in Science and Clinical Care. Boston, MA. Sep 6-9, 2019. Topham JT, Titmuss E, Pleasance ED, Williamson LM, Karasinska JM, Culibrk L, Lee MKC, Kalloger SE, Mendis S, Moore RA, Mungall AJ, Laskin J, Loree JM, Mager DL, Marra MA, Jones SJ, Schaeffer DF, Renouf DJ. Endogenous retrovirus transcript levels are associated with immunogenic signatures in multiple metastatic cancer types. ***(Cancer Res. 2019 Dec; 79(24) Suppl S).***

93. AACR Special Conference on Pancreatic Cancer - Advances in Science and Clinical Care. Boston, MA. Sep 6-9, 2019. Tsang ES, Topham JT, Karasinska JM, Lee MKC, Mendis S, Culibrk L, Denroche RE, Jang GH, Kalloger SE, Moore RA, Mungall AJ, Laskin J, O'Kane GM, Knox JJ, Gallinger S, Jones SM, Marra MA, Loree JM, Schaeffer DF, Renouf DJ. Early-onset pancreatic ductal adenocarcinomas are characterized by a distinct mutational landscape. ***(Cancer Res. 2019 Dec; 79(24) Suppl S)***

94. 43rd CCMG Annual Scientific Conference. Niagara Falls, ON. June 22-25, 2019. Thibodeau ML, Dixon K, O'Neill K, Krzywinski M, Reisle C, Mungall K, Shen Y, Lim H, Fok A, Sun S, Schaeffer D, Cremin C, Chia S, Young S, Pleasance E, Pleasance S, Pandoh P, Mungall A, Moore R, Karsan A, Laskin J, Marra M, Schrader K, Jones S. Characterization of germline structural variants in moderate-high penetrance hereditary cancer genes in the Personalized OncoGenomics cohort.

95. 15th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 18-22, 2019. Mottok A, Hung SS, Chavez EA, Woolcock B, Telenius A, Chong LC, Meissner B, Nakamura H, Gascoyne RD, Connors JM, Ben Neriah S, Mungall A, Marra MA, Siebert R, Scott DW, Savage KJ, and Steidl C. Integrative genomic analysis identifies key pathogenic concepts in primary mediastinal large B-cell lymphoma.

96. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Luthra I, LeBlanc VG, Shen Y, Culibrk L, Corbett R, Cairncross JG, Marra MA. Genomic and Transcriptomic analysis of a long-term oligodendroglioma survivor with positive response to radiation-free chemotherapy.

97. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Porter V*, Gagliardi A*, Mungall AJ, Titmuss E, Bowlby R, Zong SZ, Namirembe C, Griner N, Allen H, Bowen J, Chan S, Darragh T, Dyer M, Ma Y, Mungall KL, Nakisige C, Novik K, Orem J, Origa M, HTMCP Cervical Working Group, Gastier-Foster J,

Yarchoan R, Casper C, Mills G, Rader J, Ojesina A, Gerhard DS, Marra MA. *co-first author. Human papillomavirus displays clade-specific epigenome and transcriptome dysregulation in cervical carcinomas.

98. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Takemon Y, Chittaranjan S, Lee SD, LeBlanc VG, Song J, Chan SY, Marra MA. Application of in-silico predictions of synthetic lethal interactions in CIC-mutated cancers.

99. BC Cancer Research Day. Vancouver, BC. June 17, 2019. Wei L, Ries RE, Trinh D, Meshinchi S, Marra MA. Single cell RNA sequencing of pediatric AML reveals treatment-associated clonal dynamics.

100. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Zhao EY, Feng X, Pleasance ED, Ng TL, Grewal J, Mohammad N, Taylor SK, Simmons CE, Srikanthan A, Rassekh SD, Deyell R, Shen Y, Titmuss E, Lim HJ, Renouf DJ, Gelmon KA, Yip S, Jones SJM, Marra MA, Laskin JJ. The Whole Genome Landscape of Adult Metastatic Sarcoma.

101. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. LeVasseur N, Csizmok V, Bonakdar M, Shen Y, Zibrik L, Zhao EY, Sun S, Gelmon KA, Laskin JJ, Marra MA, Chia SKL. Whole transcriptome sequencing in metastatic cancer – A review of expression outliers in 113 metastatic breast cancer patients.

102. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Lavoie J-M, Csizmok V, Wang G, Williamson L, Marra MA, Laskin JJ, Jones SJM, Renouf DJ, Kollmannsberger CK. Whole genome and transcriptome analysis (WGTA) of metastatic adrenocortical carcinoma (mACC).

103. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Tsang ES, Grisdale CJ, Pleasance ED, Yip S, Tessier-Cloutier B, Mungall K, Ng TL, Sun S, Lim HJ, Renouf DJ, Laskin JJ, Marra MA, Jones SJM, Loree JM. Uncovering Clinically Relevant Gene Fusion Events with Integrated Genomic and Transcriptomic Profiling.

104. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Lee M, Jones MR, Williamson L, Topham JT, Wong H-L, Addison S, Denroche R, Jang GH, Karasinska J, McGhie JP, Gill S, Lim HJ, Yip S, Knox JJ, Gallinger S, Laskin JJ, Marra MA, Jones SJM, Schaeffer DF, Renouf DJ. Comprehensive genomic analysis of metastatic pancreatic ductal adenocarcinoma (mPDAC) reveals a significant proportion of clinical actionable aberrations.

105. ASCO Annual Meeting. Chicago, IL. May 31 - June 4, 2019. Mendis SR, Topham JT, Titmuss E, Williamson L, Pleasance ED, Culibrk L, Karasinska J, Liu SL, Lee M, Aird J, Moore RA, Mungall AJ, Laskin JJ, Jones SJM, Marra MA, Schaeffer DF, Renouf DJ, Loree JM. Comprehensive transcriptome analysis reveals link between epigenetic dysregulation, endogenous retrovirus expression and immunogenicity in metastatic colorectal carcinoma.

106. 15th ICGC -ARGO Scientific Workshop. Glasgow, UK. May 27-29, 2019. Nelson J, Zibrik, L, Carstairs, C, Fok A, Sauve K, Roscoe R, Laskin J, Marra M. Collaborative Publication Process in the Personalized Onco-Genomics Program.

107. 15th ICGC -ARGO Scientific Workshop. Glasgow, UK. May 27-29, 2019. Weymann D, Laskin J, Marra MA, Regier DA. Early-stage economic evaluation of whole-genome and transcriptome analysis to guide advanced cancer care.

108. 15th ICGC -ARGO Scientific Workshop. Glasgow, UK. May 27-29, 2019. Wilson JM, Denroche RE, Dodd A, Hutchinson S, Ramotar S, Chadwick R, Liang S-B, Masoomian M, Lungu I, Bartlett JMS, Notta F, Zhang A, Jang GH, Kryzanowski P, Lam B, Topham J, Lee M, Williamson L, r M, Jones M, Marra M, Nelson J, Taylor G, Metcalfe A, Warren C, Karasinska J, Wang Y, Schaeffer D, Tang P, Fischer SE, Goodwin R, Spratlin J, Bathe O, Biagi J, Zogopolous G, Tehfe M, Renouf D, O'Kane GM, Knox JJ, Gallinger S. Enhanced Pancreatic Cancer Profiling for Individualized Care (EPPIC): An ICGC-ARGO Project.

109. Keystone Symposia: 3D Genome. Banff, AB. Mar 17-21, 2019. Porter VL, Topham JT, Trinh DL, Gagliardi A, Jin D, Huff RD, Mungall AJ, Lorzadeh A, Moksa M, Hirst M, Marra MA. Global enhancer dysregulation in histone methyl-transferase KMT2D mutant cells. **(Poster presentation)**

110. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 14, 2019. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched patient-derived organoids using single-cell RNA-seq. **(Poster presentation)**

111. The 19th Annual AGBT Meeting. Marco Island, FL. Feb 27-Mar 3, 2019. Zhao YJ, Pandoh P, Kirk H, Smailus D, Corbett RD, MacLeod T, McDonald H, Haile S, Bilobram S, Coope R, Mungall AJ, Moore R, Jones S, Marra MA. Automated Bead-based Total Nucleic Acid Extraction Including Micro RNAs (miRNAs) from Mammalian Tissue. **(Poster presentation)**

112. The 19th Annual AGBT Meeting. Marco Island, FL. Feb 27-Mar 3, 2019. Coope R, Schlosser C, Pleasance S, Corbett R, Ma Y, Zhao YJ, Mungall A, Moore R, Tessier-Cloutier B, Yip S, Marra MA. Large Scale Tumour Enrichment by Laser Microdissection. **(Poster presentation)**

113. The 19th Annual AGBT Meeting. Marco Island, FL. Feb 27-Mar 3, 2019. Chuah E, Reisle C, Zadeh A, Bozoky Z, Martin N, Davies J, Pelligrini B, Lewis E, Wang S, Nelson J, Mungall K, Marra M, Jones S. A platform for generation and sharing of clinical genomic data. **(Poster presentation)**

114. The 2019 Gastrointestinal Cancers Symposium, San Francisco, CA. Jan 17-19, 2019. Lee M, Jones MR, Williamson L, Topham JT, Addison S, Wong H-I, Denroche R, Jang GH, Karasinska J, McGhie JP, Gill S, Lim HJ, Yip S, Knox JJ, Gallinger S, Laskin JJ, Marra MA, Jones SJM, Sschaeffer DF, Renouf DJ. Comprehensive genomic analysis of metastatic pancreatic ductal adenocarcinoma (mPDAC) reveals a significant proportion of clinical actionable aberrations.

115. Keystone Single-Cell Biology. Breckenridge, CO. Jan 12-17, 2019. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq. **(Poster presentation)**

116. 60th ASH Annual Meeting & Exposition. San Diego, CA. Dec 1-4, 2018. Ennishi D, Jiang A, Boyle M, Collinge B, Grande BM, Ben-Neriah S, Slack GW, Farinha P, Mottok A, Meissner B, Saberi S, Bashashati A, Villa D, Savage KJ, Sehn LH, Kridel R, Marra MA, Shah SP, Steidl C, Connors JM, Gascoyne RD, Morin RD, Scott DW. The double-hit gene expression signature defines a clinically and biologically distinct subgroup within GCB-DLBCL.

117. Cell Symposia: TCGA Legacy: Multi-Omic Studies in Cancer Symposium. Washington, DC. Sep 27-29, 2018. Lavoie J-M, Mitchell T, Lee S-E, Deol B, Jones S, Marra M, Laskin J, Renouf DJ. Patient Selection for a Developmental Therapeutics Program Using Multi-Omics.

118. 18th International Symposium on Pediatric Neuro-Oncology. Denver, CO. June 30-July 3, 2018. Johann P, Chun E, Erkek S, Iskar M, Perlman E, Hasselblatt M, Pfister SM, Marra M, Kool M. Whole genome and epigenome characterization links ATRT-MYC to a subgroup of renal rhabdoid tumors. ***(Neuro-Oncol. 2018 Jun;20:29 Suppl 2)***

119. Inaugural AACR International Meeting Advances in Malignant Lymphoma: Maximizing the Basic-Translational Interface for Clinical Application. Boston, MA. June 22-26, 2018. Ennishi D, Takata K, Beguelin W, Duns G, Mottok A, Farinha P, Bashashati A, Saberi S, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Savage KJ, Sehn LH, Morin RD, Marra MA, Shah SP, Connors JM, Gascoyne RD, Scott DW, Melnick AM, Steidl C. MHC class II expression is associated with a distinct mutational profile and immune cell landscape in the microenvironment in Germinal Center B-Cell-like Diffuse Large B-Cell Lymphoma.

120. BC Cancer Research Day. Vancouver, BC. June 11, 2018. Culibrk L, Grewal J, Pleasence ED, Jones MR, Mungall KL, Laskin L, Marra MA, Jones SJM. TC-seqR: A statistical framework for estimation of tumour purity and ploidy from whole genome sequencing data.

121. American Society of Clinical Oncology Annual Meeting. Chicago, IL. June 1-5, 2018. Zhao EY, Pleasance ED, Jones MR, Shen Y, Reisle CR, Mungall AJ, Moore R, Zhao YJ, Renouf DJ, Laskin JJ, Marra MA, Jones SJM. Evolution of Genomic Instability in Metastatic Cancer.

122. American Society of Clinical Oncology Annual Meeting. Chicago, IL. June 1-5, 2018. Thibodeau ML, Zhao EY, Bonakdar M, Taylor G, Reisle C, Mungall AJ, Williamson L, Nelson BH, Ergin EK, Ng T, Renouf DJ, Lim HJ, Marra MA, Laskin J, Jones SJM, Schrader KA. Genomic profiling and mutational signatures associated with the germline deletion polymorphism APOBEC3A_B in diverse cancer types.

123. Genome BC's Annual Genomics Forum 2018. Vancouver, BC. May 24, 2018. Culibrk L, Grewal J, Pleasence ED, Jones MR, Mungall KL, Laskin J, Marra MA, Jones SJM. TC-seqR: A statistical framework for estimation of tumour purity and ploidy from whole-genome sequencing data.

124. 107th Annual Meeting of the United States and Canadian Academy of Pathology. Vancouver, BC. Mar 17-23, 2018. Tessier-Cloutier B, Grewal J, Jones M, Pleasance E, Zhong EZ, Mungall K, Lee TH, Cai E, Sheffiled B, Lee CH, Hoang L, Skinnider B, Smith T, Schaeffer D, Lee AF, Ng T, Ionescu D. Nielsen T, Dunham C, Jones S, Laskin J, Marra M, Yip S. Genomic Integrative Pathology: A Large Scale Tumour Next Generation Sequencing Initiative. ***(Mod Pathol. 2018 Mar;31:708)***

125. 18th Biennial Canadian Neuro-Oncology Meeting. Banff, AB. May 10 - 12, 2018. LeBlanc VG, Trinh D, Hughes M, Luthra I, Livingstone D, Blough MD, Cairncross JG, Kelly JJ, Marra MA. Exploring cellular subpopulations in glioblastoma and matched organoids using single-cell RNA-seq.

126. 15th Annual European Neuroendocrine Tumor Society Conference. Barcelona, Spain. March 7-9, 2018. Yang KC, Wong H, Shen1 Y, Colborne S, Kalloger S, Karasinska J, Laskin J, Morin GB, Marra MA, Schaeffer DF, Renouf DJ, Gorski SM. Molecular Characterization of Primary and Metastatic Pancreatic Neuroendocrine Tumors.

127. The 18th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Moore RA, Shen Y, Pleasance E, Jones M, Mungall KL, Thiessen N, Ma Y, Mungall AJ, Zhao YJ, Yip S, Lim H, Renouf D, Roscoe R, Jones SJM, Laskin J, Marra MA. Utilization of Whole Genome Analysis Approaches for Personalized Therapy Decision Making in Patients with Advanced Malignancies. **(Poster presentation)**

128. The 18th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Mungall AJ, Bleile D, Mungall1 KL, Chong L, Jones M, Ma Y, Moore RA, Connors J, Jones SJM, Laskin JJ, Steidl C, Scott DW, Marra MA. Recurrent raftlin gene fusions in cancer. **(Platform presentation)**

129. The 18th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Zhao YJ, Pandoh P, McDonald H, Corbett RD, Alcaide M, Kirk H, Haile S, Trinh E, Bilobram S, Jones M, Miller D, Coope R, Mungall AJ, Ma Y, Moore R, Roscoe R, Jones S, Holt R, Karsan A, Morin R, Marra MA. A rapid, high throughput protocol for characterization of circulating tumour DNA isolated from plasma and whole blood. **(Poster presentation)**

130. The 18th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Jones M, Shen Y, Pleasance E, Zhao E, Mungall K, Mungall A, Moore R, Ma Y, Jones S, Laskin J, Marra MA. Whole genome and transcriptome analysis in a metastatic cancer clinical setting. **(Poster presentation)**

131. The 18th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Coope RJN, Schlosser C, Corbett R, Pleasance S, Ma Y, Zhao YJ, Mungall A, Moore R, Tessier-Cloutier B , Marra MA. Automated Tissue Mapping and Microdissection for Large Scale Tumour Enrichment. **(Poster presentation)**

132. The 18th Annual AGBT Meeting. Orlando, FL. Feb 12-15, 2018. Shen Y, Jones MR, Pleasance E, Mungall K, Thiessen N, Ma Y, Moore RA, Mungall AJ, Zhao YJ, Yip S, Lee AF, Laskin J, Rassekh R,

Deyell R, Marra MA, Jones SJM. Bioinformatic Integration of Whole Genome Sequencing and RNA Sequencing for Personalized Therapy Decision Making in Pediatric Cancer. **(Poster presentation)**

133. Society for Laboratory Automation and Screening Conference. San Diego, CA. Feb 3-7, 2018. Haile S, Pleasance S, Zhan H, Laks E, LeBlanc V, Trinh D, Chittaranjan S, Hansen C, Aparicio S, Marra M, Coope R. Nano-Well Based Single Cell Whole Genome and Whole Transcriptome Sequencing.

134. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Wei L, Trinh D, Meshinchi S, Marra MA. Single cell transcriptome analysis reveals changing levels and distributions of stemness across disease states in pediatric AML. **(Poster presentation)**

135. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Collinge B, Chong L, Ben-Neriah S, Slack GW, Ennishi D, Mottok A, Farinha P, Boyle M, Meissner B, Gerrie A, Villa D, Savage KJ, Sehn LH, Morin RD, Mungall A, Gascoyne RD, Marra MA, Connors JM, Steidl C, Scott DW. Mutations in exon 2 of *MYC* and the N11S polymorphism disrupt the relationship between *MYC* mRNA and MYC IHC results in diffuse large B-cell lymphoma.

136. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Grande, BM, Gerhard DS, Griner NB, Casper C, Namirembe C, Omoding A, Orem J, Mbulaiteye SM, Mullighan CG, Sandlund JT, Alexander T, Choi JK, Abramson JS, Gross TG, Noy A, Bethony J, Greiner TC, Jaffe ES, Harris NL, Gastier Foster JM, Bowen J, Allen H, Schmitz R, Wilson W, Martin JP, Martin MR, Irvin JD, Dyer M, Gesuwan P, He Y, Davidsen TM, Novik K, Mungall AJ, Ma Y, Marra MA, Morin RD, Staudt LM. Burkitt Lymphoma Genome Sequencing Project (BLGSP): Integrative Genomic and Transcriptomic Characterization of Burkitt Lymphoma.

137. 9th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Jiang A, Grande BM, Arthur SE, Alcaide M, Ennishi D, Jessa S, Pararajalingam P, Meissner B, Boyle M, Chong L, Lai D, Davidson J, Bushell KR, Shah S, Mungall A, Gascoyne RD, Marra M, Steidl C, Connors J, Scott D, Morin D. Identification of recurrent non-coding driver mutations in non-Hodgkin lymphomas through integrative genomic analysis of 777 patients.

138. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Ries RE, Smith JL, Triche Jr. T, Farrar J, Alonzo T, Ma Y, Wei L, Guidry-Auvil J, Smith M, Gerhard D, Bolouri H, Meshinchi S. Cancer Testis Antigens as Immuno-therapeutic Targets in Pediatric AML.

139. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Chong L, Ben-Neriah S, Slack GW, Ennishi D, Mottok A, Collinge B, Farin ha P, Boyle M, Meissner B, Kridel R, Gerrie A, Villa D, Savage KJ, Sehn LH, Morin RD, Gascoyne RD, Marra MA, Connors JM, Mungall A, Steidl C, Scott DW. High-resolution architecture and partner genes of *MYC* rearrangements in lymphoma with DLBCL morphology.

140. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Arthur SA, Mottok A, Alcaide M, Rushton C, Grande B, Ennishi D, Davidson J, Bushell KR, Gascoyne RD, Marra M, Connors J, Morin G, Scott D, Steidl C, Morin RD. Functional Investigation of the Gene *NFKBIZ* and the Impact of 3'UTR Mutations in Diffuse Large B-Cell Lymphoma.

141. 59th American Society of Hematology Annual Meeting. Atlanta, GA. Dec 9-12, 2017. Ennishi D, Mottok A, Farinha P, Chan FC, Bashashati A, Saberi S, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Savage KJ, Sehn LH, Morin RD, Marra MA, Shah SP, Connors JM, Gascoyne RD, Scott DW, Steidl C. Genetic Characterization and Clinical Impact of Loss of MHC Class I and II Expression in *de novo* Diffuse Large B-cell Lymphoma.

142. 4th Canadian Conference on Epigenetics. Whistler, BC. Nov 26-29, 2017. Pellacani D, Bilenky M, Kannan N, Heravi-Moussavi2 A, Knapp DJHF, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra MA, Jones SJM, Aparicio S, Hirst M, Eaves CJ. Identification of frequently mutated regulatory regions in human breast cancer.

143. 22nd Annual Scientific Meeting and Education Day of the Society for Neuro-Oncology. San Francisco, CA. Nov 15-19, 2017. Wong D, Lounsbury K, LeBlanc V, Chittaranjan S, Marra M, Yip S. Exploring the functional relationship between Capicua (CIC) and Ataxin-1-like (ATXN1L) in glioma. ***(Neuro-Oncology. 2017 Nov;19:52 (Supp 6).***

144. AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics. Boston, MA. Nov 5-9, 2017. Shen Y, Jones MR, Pleasance E, Bonakdar M, Ch'ing C, Reisle C, Williamson L, Majounie E, Taylor G, Chan S, Song Y, Pierce B, Zhang W, Zadeh A, Zhao E, Bleile D, Mungall K, Thiessen N, Chuah E, Wong T, Corbett R, Ma Y, Moore RA, Mungall AJ, Zhao YJ, Yip S, Lee AF, Rassekh R, Deyell R, Lim H, Renouf D, Roscoe R, Jones SJM, Laskin J, Marra MA. Clinical application of whole genome and transcriptome sequencing in cancer care.

145. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Chun H-JE, Johann PD, Bilenky M, Lim E, Heravi-Moussavi A, Cheng Dean, Cheng Y, Wong T, Chuah E, Thiessen N, Ma Y, Gerhard DS, Mungall AJ, Moore RA, Jones SJM, Perlman EJ, Hirst M, Huang A, Kool M, Marra MA. Extra-cranial malignant rhabdoid tumours exhibit molecular similarities to the MYC-subgroup of cranial AT/RTs. **(Poster presentation)**

146. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Wei L, Lim E, Trinh D, Meshinchi S, Marra M. Single cell transcriptome analyses of paediatric AML reveals disparate gene expression patterns across disease states. **(Poster presentation)**

147. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Titmuss E, Lim H, Ng T, Milne K, Nelson B, Marra M. Angiotensin Receptor Blocker as a Potential Immunotherapy in Colorectal Cancer. **(Poster presentation)**

148. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Topham JT, Trinh D, Gagliardi A, Huff RD, Mungall AJ, Schein J, Marra MA. Comprehensive and Integrative Analysis of the KMT2D Regulome. **(Poster presentation)**

149. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. LeBlanc VG, Trinh D, Hughes M, Kelly J, Marra MA. Exploring cellular subpopulations in primary GBM and GBM-derived organoid models.

150. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Pearson H, Pleasance E, Scott B, Titmuss E, Jones M, Zong S, Sipahimalani P, Ma Y, Holt R, Jones S, Yip S, Lim H, Renouf D, Marra M, Laskin J. Genomic biomarkers of response to checkpoint inhibitor immunotherapy in the Personalized OncoGenomics cohort.

151. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Shen Y, Lai YY, Bose P, Lever J, Grisdale C, Grinshtein N, Zhao E, Ma Y, Mungall AJ, Moore RA, Senger DL, Robbins SM, Luchman HA, Weiss S, Chan JA, Blough MD, Cairncross G, Kaplan D, Marra MA, Jones SJM. Comprehensive genomic profiling of matched glioblastoma tumours, cell-lines, and xenografts.

152. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Lever J, Grinshtein N, Shen Y, Lai YY[1], Bose P, Grisdale C, Zhao E, Ma Y, Mungall AJ, Moore RA, Senger DL, Robbins SM, Luchman HA, Weiss S, Chan JA, Blough MD, Cairncross G, Kaplan D, Marra MA, Jones SJM. Identifying drug resistance markers in glioblastoma cell-lines.

153. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Wong D, Lounsbury K, LeBlanc V, Chittaranjan S, Marra M, Yip S. Exploring the Functional Relationship between Capicua (CIC) and Ataxin-1-like (ATXN1L) in Oligodendroglioma.

154. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Grewal J, Gakkhar S, Ma Y, Zhao YJ, Mungall A, Moore R, Lim H, Renouf D, Gelmon K, Yip S, Laskin J, Marra M, Jones SJM. Using machine learning to identify the site of origin of metastatic tumours.

155. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Wang YK, Bashashati A, Anglesio M, Cochrane D, Grewal D, Ha G, McPherson A, Horlings H, Senz J, Prentice L, Karnezis A, Lai D, Aniba M, Zhang A, Shumansky K, Siu C, Wan A, McConechy M, Li-Chang H, Tone A, Provencher D, Provencher M, Fleury H, Okamoto A, Yanagida S, Yanaihara N, Saito M, Mungall A, Moore R, Marra M, Gilks B, Mes-Masson A-M, McAlpine J, Aparicio S, Huntsman D, Shah S. Genomic consequences of aberrant DNA repair mechanisms stratify ovarian cancer histotypes.

156. 4th Canadian Cancer Research Conference. Vancouver, BC. Nov 5 - 7, 2017. Weymann D, Laskin J, Roscoe R, Schrader KA, Chia S, Yip S, Cheung WY, Gelmon KA, Karsan A, Renouf DJ, Marra M, Regier DA. The costs of translating whole-genome analysis into clinical practice in oncology.

157. 42nd European Society for Medical Oncology Congress. Madrid, Spain. Sep 8-12, 2017. Lim HJ, Schrader KA, Young S, Nelson J, Fok A, Pleasance E, Jones M, Shen YQ, Armstrong L, Virani A, Rassekh SR, Deyell R, Yip S, Roscoe R, Karsan A, Marra M, Laskin JJ. Management of germline findings revealed throughout the course of tumor-normal whole genome sequencing in oncology.

158. International Human Epigenome Consortium (IHEC) Annual Meeting & Science Days 2017. Berlin, Germany. Oct 12-14, 2017. Heravi-Moussavi A, Bilenky M, Gakkhar S, Carles A, Brooks D, Parker J, Brown CJ, Karimuddin AA, Phang PT, Raval M, Filipenko D, Ma Y, Moore R, Mungall A, Marra1 MA, Jones SJM, Karsan A, Hirst M. miR-92b expression is a marker of the CpG island methylator phenotype in colorectal cancer.

159. Pancreatic Diseases. Gordon Research Conference. Waterville Valley, NH. June 18-23, 2017. Yang K, Wong H-l, Shen Y, Colborne S, Hughes C, Kalloger S, Loree J, Kennecke H, Schaeffer D5, Lim H, Mungall A, Feng X, Davies J, Schrader K, Zhou C, Karsan A, Laskin J, Morin G, Marra M, Renouf D, Gorski S. Molecular characterization of metastatic pancreatic neuroendocrine tumours.

160. 53rd Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. June 2-6, 2017. Lim HJ, Schrader KA, Young S, Nelson J, Fok A, Pleasance E, Jones M, Shen YQ, Armstrong J, Virani A, Rassekh SR, Deyell R, Yip S, Roscoe R, Karsan A, Marra MA, Laskin JJ. Management of germline findings revealed throughout the course of tumor-normal whole genome sequencing in oncology. ***(Journal of Clinical Oncology. 2017 May 20;35 (Supp 15).***

161. 53rd Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. June 2-6, 2017. Tsang ES, Shen YQ, Chooback N, Ho C, Jones M, Renouf DJ, Him HJ, Sun S, Yip S, Pleasance E, Ma Y, Zhao YJ, Mungall AN, Moore R, Jones S, Marra M, Laskin JJ. Clinical outcomes after whole genome sequencing in patients with metastatic non-small cell lung cancer. ***(Journal of Clinical Oncology. 2017 May 20;35 (Supp 15).***

162. 53rd Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. June 2-6, 2017. Chooback N, Ho C, Shen Y, Tsang ED, Zhao YJ, Mungall AJ, Moore R, Lim HJ, Renouf DJ, Gelmon KA, Yip S, Jones S, Laskin J, Marra M. Whole genome and transcriptome sequencing of lung cancer: Options for personalized cancer treatment. ***(Journal of Clinical Oncology. 2017 May 20;35 (Supp 15).***

163. AACR Annual Meeting 2017. Washington, DC. Apr 1-5, 2017. Ennishi D, Bashashati A, Saberi S, Mottok A, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Savage KJ, Sehn LH, Connors JM, Morin RD, Marra MA, Shah SP, Steidl C, Scott DW, Gascoyne RD. Integrative genetic analysis identifies therapeutic relevance of cell of origin-specific genetic alterations in diffuse large B-cell lymphoma.

164. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Gerhard DS, Grande B, Griner N, Corey C, Gerdts SE, Omoding A, Orem J, Mbulaiteye SM, Ogwang MD, Reynolds SJ, Bhatia K, Ayers L, Choi JK, Mullighan CG, Sandlund JT, Alexander TB, Abramson JS, Gross TG, Noy A, Bethony J, Leal F, Greiner TC, Jaffe ES, Harris NL, Gastier-Foster JM, Bowen J, Hanf B, Schmitz R, Martin J-P, Martin M-R, Irvin JD, Miller E, Gesuwan P, Hermida LC, Davidsen TM, Mungall AJ, Ma Y, Marra MA, Morin RD, Staudt LM. Burkitt Lymphoma Genome Sequencing Project (BLGSP): Introduction. **(Poster presentation)**

165. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Triche TJ, Jr., Farrar JE, Bolouri H, Ries RE, Lim EL, Alonzo TA, Ma Y, Moore R, Mungall A, Marra MA, Guidry Auvil JM, Davidsen TM, Gesuwan P, Hermida LC, Kolb EA, Gamis AS, Smith MA, Piccolo S, Gernard DS, Meshinchi S. Divergent epigenomes in pediatric and adult acute myeloid leukemia implicate cell of origin and transcriptional silencing of immune responses as sources of clinically relevant heterogeneity: A Report from the Children's Oncology Group and NCI/COG Therapeutically Applicable Research to Generate Effective Treatments (TARGET) Initiative. **(Oral presentation)**

166. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Chan FC, Kridel R, Mottok A, Boyle M, Farinha P, Tan K, Meissner B, Bashashati A, McPherson A, Roth A, Shumansky3 K, Yap D, Ben-Neriah S, Rosner J, Smith MA, Nielsen C, Telenius A, Ennishi D, Mungall AJ, Moore R, Morin RD, Johnson NA, Sehn LH, Connors JM, Scott DW, Steidl C, Marra MA, Gascoyne RD, Shah SP. Divergent Modes of Tumor Evolution Underlie Histological Transformation and Early Progression of Follicular Lymphoma. **(Oral presentation)**

167. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Tarlock K, Kaeding AJ, Alonzo TA, Loken MR, Ries RE, Pardo L, Gerbing R, Farrar JE, Guidry Auvil JM, Gerhard DS, Smith MA, Davidsen TM, Gesuwan P, Hermida LC, Marra MA, Mungall AJ, Mungall K, Ma Y, Zong S, Long W, Gamis AS, Kolb EA, Meshinchi S. Discovery and Validation of Cell-Surface Protein Mesothelin (MSLN) As a Novel Therapeutic Target in AML: Results from the COG/NCI Target AML Initiative. **(Poster presentation)**

168. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Alexander TB, Gu Z, Choi JK, Loh ML, Horan J, Buldini B, Basso G, Elitzur S, Zwaan CM, de Haas V, Yeoh AEJ, Reinhardt D, Tomizawa D, Lammens T, De Moerloose B, Zhou Li, Hori H, Moorman AV, Moore AS, Hrusak O, Meshinchi S, Orgel E, Devidas M, Hunger SP, Guidry Auvil JM, Smith MA, Davidsen TM, Hermida LC, Gesuwan P, Marra MA, Ma Y, Mungall AJ, Moore R, Gerhard DS, Cao X, Shi L, Pounds S, Inaba H, Mullighan C. Genomic Landscape of Pediatric Mixed Phenotype Acute Leukemia. **(Oral presentation)**

169. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Mottok A, Chong L, Ben-Neriah S, Woolcock B, Zhao YJ, Marra MA, Scott DW, Gascoyne RD, Mungall AJ, Steidl C. Characterization of Genomic Rearrangements Involving CIITA and SOCS1 Using Targeted Capture Sequencing of Archival Tissue Specimens. **(Poster presentation)**

170. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Farrar JE, Bolouri H, Ries RE, Triche TJ, Jr., Lim EL, Alonzo TA, Ma Y, Moore R, Mungall AJ, Marra MA, Guidry Auvil J, Davidsen TM, Gesuwan P, Hermida LC, Kolb EA, Gamis AS, Smith MA, Gerhard DS, Meshinchi S. Marked Differences in the Genomic Landscape of Pediatric Compared to Adult Acute Myeloid Leukemia: A Report from the Children's Oncology Group and NCI/COG Therapeutically Applicable Research to Generate Effective Treatments (TARGET) Initiative. **(Oral presentation)**

171. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Kridel R, Chan FC, Mottok A, Boyle M, Farinha P, Tan K, Meissner B, Bashashati A, Ben-Neriah S, Gine E, Ennishi D, Mungall AJ, Morin RD, Johnson NA, Sehn LH, Tousseyn T, Dogan A, Connors JM, Scott DW, Steidl C, Marra MA, Gascoyne RD, Shah SP. Targeted Sequencing Reveals Novel Gene Mutations Associated with Transformation and Early Progression in Follicular Lymphoma. **(Poster presentation)**

172. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Ennishi D, Bashashati A, Saberi S, Mottok A, Meissner B, Boyle M, Ben-Neriah S, Kridel R, Dominguez-Sola D, Savage KJ, Sehn LH, Connors JM, Morin RD, Marra MA, Shah SP, Steidl C, Scott DW, Gascoyne RD. Frequent Genetic Alterations of PI3K-AKT Pathway and Their Clinical Significance in Germinal Center B-Cell-like Diffuse Large B-Cell Lymphoma. **(Oral presentation)**

173. 58th American Society of Hematology Annual Meeting and Exposition. San Diego, CA. Dec 3-6, 2016. Ries RE, Bolouri H, Farrar JE, Lim EL, Triche TJ, Jr., Tarlock K, Guidry Auvil J, Hirsch BA, Raimondi SC, Ma Y, Marra MA, Aplenc R, Guest EM, Kolb EA, Gamis AS, Smith MA, Gerhard DS, Meshinchi S. Alteration of Chromatin Modifiers and Misregulation of Transcription Factors Define the Genomic Profile of Infant AML. **(Oral presentation)**

174. 2016 CSCI-CITAC Annual Scientific Meeting. Toronto, ON. Nov 212-23, 2016. Zhao EY, Shen Y, Pleasance E, Kasaian K, Jones M, Ch'ng C, Reisle C, Eirew P, Mungall KL, Thiessen N, Ma Y, Fok A, Mungall AJ, Zhao YJ, Moore RA, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Sun S, Schrader KA, Young S, Karsan A, Roscoe R, Laskin J, Marra MA, Jones SJM. Guiding Platinum-based Chemotherapy in Breast Cancer with a Somatic Mutation Signature of Homologous Recombination Deficiency.

175. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. LeBlanc VG, Firme M, Chan SY, Song J, Lee A, Yip S, Chittaranjan S, Marra MA. Investigating the role of CIC mutations in malignancy.

176. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Wong D, LeBlanc V, Chittaranjan S, Chan S, Song J, Lee MH, Marra M, Yip S. Functional Investigations of CIC and ATXN1L in Oligodendroglioma.

177. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Chun H-JE, Heravi-Moussavi A, Carles A, Wong T, Chuah E, Gerhard DS, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-Cranial Malignant Rhabdoid Tumors Exhibit Heterogeneous DNA Methylation and Histone 3 Lysine 27 Trimethylation Profiles.

178. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. MacLeod T, Brooks D, Pandoh P, Haile S, Corbett RD, Smailus D, Tsao P, McDonald H, Kirk H, Bala M, Miller D, Mungall AJ, Coope R, Ma Y, Moore R, Zhao Y, Holt R, Jones S, and Marra MA. An Automated miRNA Library Construction Protocol Capturing a Greater Diversity of miRNA Species.

179. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Weymann D, Laskin J, Roscoe R, Schrader KA, Chia S, Yip S, Cheung WY, Gelmon KA, Karsan A, Renouf DJ, Marra M, Regier DA. Cost and cost-trajectory of whole-genome analysis to guide treatment of patients with advanced cancers.

180. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Grewal J, Gakkhar S, Ma Y, Zhao Y, Mungall A, Moore R, Lim H, Renouf D, Gelmon K, Yip S, Laskin J, Marra M, Jones SJM. Using machine learning to identify site of origin of metastatic tumours.

181. 6th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 23, 2016. Lai YYY, Shen Y, Grinshtein N, Lever J, Zhao E, Ma Y, Mungall A, Moore R, Senger D, Robbins S, Luchman H, Weiss S, Chan J, Blough M, Cairncross G, Kaplan D, Marra M, Jones S. Identification of Therapeutic Targets in Glioblastoma Multiforme.

182. 2016 Till & McCulloch Meetings. Whistler, BC. Oct 24-26, 2016. Pellacani D, Bilenky M, Kannan N, Heravi-Moussvi A, Knapp D, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra M, Jones S, Aparicio S, Hirst M, Eaves C. Human mammary cell transcription factor networks predicted from analyses of differences in enhancer states.

183. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. Weymann D, Laskin L, Roscoe R, Marra M, Schrader K, Chia S, Yip S, Cheung W, Gelmon K, Karsan A, Renouf D, Regier DA. The cost and cost-trajectory of whole-genome analysis to guide treatment of patients with advanced cancers.

184. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. Shen YQ, He A, Zhang W, Thiessen N, Ma Y, Mungall AJ, Moore RA, Gibson W, Marra MA, Jones SJM. Identification of causal genes for rare genetic disorders using whole genome and whole exome sequencing.

185. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. Zhao EY, Shen YQ, Pleasance E, Kasaian K, Jones M, Ch'ng C, Reisle C, Eirew P, Mungall KL, Thiessen N, Ma Y, Fok A, Mungall AJ, Zhao YJ, Moore RA, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Sun S, Schrader KA, Young S, Karsan A[5], Roscoe R, Laskin J, Marra MA, Jones SJM. Guiding Platinum-based Chemotherapy with a Somatic Mutation Signature of BRCA1/2 Impairment.

186. ASHG 2016 Annual Meeting. Vancouver, BC. Oct 18-22, 2016. LeBlanc VG, Firme M, Chan SY, Song J, Lee A, Yip S, Chittaranjan S, Marra MA. Investigating the role of *CIC* mutations in malignancy.

187. 48th Congress of the International Society of Paediatric Oncology (SIOP). Dublin, Ireland. Oct 19–22, 2016. Ooms AHAG, Gadd S, Gerhard DS, Smith MA, Gaidry Auvil JM, Meerzaman D, Ma M, Marra MA, Huff V, Dome JS, Chi YY, Geller JI, Mullighan CG, Wheeler DA, Hampton OA, Van den Heuvel-Eibrink MM, De Krijger RR, Ross N, Gastier-Foster JM, Perlman EJ. Prognostic Impact of TP53 Mutation Status in Wilms Tumors with Diffuse Anaplasia. ***(Pediatr Blood & Cancer. 2016 Nov;63 Suppl S34-S35)***

188. 48th Congress of the International Society of Paediatric Oncology (SIOP). Dublin, Ireland. Oct 19–22, 2016. Gu Z, Liu Y, Roberts K, Shao Y, Harvey R, Chen IM, Valentine M, Pei D, Marra M, Larsen E, Spinelli O, Minden M, Fielding A, Bhatia R, Stock W, Konopleva M, Willman C, Loh M, Hunger S, Mullighan C. Recurrent MEF2D Fusions Define A New Subtype of Acute Lymphoblastic Leukemia Associated with Older Age at Diagnosis and Poor Outcome. ***(Pediatr Blood & Cancer. 2016 Nov;63 Suppl S14-S15)***

189. Epigenomics in Development and Disease - CEEHRC Annual Meeting. Vancouver, BC. Sep 18-21, 2016. Pellacani D, Bilenky M, Kannan N, Heravi-Moussvi A, Knapp D, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra MA, Jones SJM, Aparicio S, Hirst M, Eaves C. Derivation of transcription factor networks from analyses of active enhancer states in different subsets of normal human mammary cells.

190. Cold Spring Harbor Laboratory Meeting on Epigenetics & Chromatin. New York, NY. Sep 13-17, 2016. Chun H-JE, Heravi-Moussavi A, Carles A, Wong T, Chuah E, Gerhard DS, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-cranial malignant rhabdoid tumors exhibit heterogeneous DNA methylation and histone 3 lysine 27 trimethylation profiles. **(Poster presentation)**

191. IHEC Science Days and Annual Meeting. Brussels, Belgium. Sep 7-9, 2016. Eaves CJ, Pellacani D, Bilenky M, Kannan N, Heravi-Moussavi A, Knapp DJHF, Gakkhar S, Moksa M, Carles A, Moore R, Mungall A, Marra MA, Jones SJM, Aparicio S, Hirst M. Molecular determinants of functionally distinct normal human mammary cell types.

192. 16th IUBMB Conference. Vancouver, BC. July 17-21, 2016. Jones SJM on behalf of BC Cancer Agency's Personalized OncoGenomics Project. Cancer Genomics and Personalized Medicine **(Platform presentation)**

193. ISMB 2016. Orlando, FL. July 8-12, 2016. Topham J, Gagliardi A, Marra M. Genomic analysis of primary tumors identifies association between KMT2D mutation status and genome instability. **(Poster presentation)**

194. 2016 ASH Meeting on Lymphoma Biology. Colorado Springs, CO. June 18-21, 2016. Kridel R, Chan FC, Mottok A, Boyle M, Farinha P, Tan K, Meissner B, Bashashati A, McPherson A, Roth A, Shumansky K, Yap D, Ben-Neriah S, Rosner J, Smith MA, Gine E, Telenius A, Ennishi D, Mungall A, Moore R, Morin RD, Johnson NA, Sehn LH, Tousseyn T, Dogan A, Connors JM, Scott DW, Marra MA, Gascoyne RD, Shah SP. Clonal Dynamics Shaping Histological Transformation and Progression in Follicular Lymphoma Clinical Histories.

195. 2016 ASH Meeting on Lymphoma Biology. Colorado Springs, CO. June 18-21, 2016. Mottok A, Chong LC, Ben-Neriah S, Woolcock BW, Zhao YJ, Marra MA, Scott DW, Gascoyne RD, Mungall AJ, Steidl

C. Characterization of genomic rearrangements involving *CIITA* and *SOCS1* using targeted capture sequencing of archival tissue specimens.

196. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, England. June 12-15, 2016. Garzia L, Morrissy AS, Marra M, Taylor M. Divergent Clonal Selection Dominates Medulloblastoma at Recurrence. ***(Neuro-Oncol. 2016 Jun;18:119 (Supp 3))***

197. 17th International Symposium on Pediatric Neuro-Oncology. Liverpool, England. Kijima N, Garzia L, Morrissy A, Donovan L, Wu XC, Luu B, Ramaswamy V, Peacock J, Lopez-Holgado B, Wang X, Cavalli F, Roider A, Shih D, Skowron P, Lee J, Michealraj A, Malkin D, Fults D, Marra M. Taylor M. June 12-15, 2016. Functional roles of CCL2 in medulloblastoma leptomeningeal metastasis. ***(Neuro-Oncol. 2016 Jun;18:98 (Supp 3)).***

198. ASCO Annual Meeting. Chicago, IL. June 3-7, 2016. Wong H-L, Jones M, Eirew P, Karasinska J, Schrader KA, Lim HJ, Shen YQ, Jones S, Yip S, Laskin JL, Schaeffer DF, Marra M, Renouf DJ. Comprehensive genomic analysis in metastatic pancreatic ductal adenocarcinoma (PDAC). ***(ASCO Annual Meeting Proceedings. 2016; 34 (4_suppl): 285 )***

199. TFRI 7th Annual Scientific Meeting. Vancouver, BC. May 12-14, 2016. Chun H-JE, Moussavi A, Carles A, Wong T, Chuah E, Schein JE, Gerhard DS, Mungall AJ, Moore RA, Ma Y, Jones SJM, Perlman EJ, Hirst M, Marra MA. Extra-cranial malignant rhabdoid tumours exhibit heterogeneous DNA methylation and gene expression profiles.

200. TFRI 7th Annual Scientific Meeting. Vancouver, BC. May 12-14, 2016. Topham J, Gagliardi A, Huff RD, Trinh DL, Mungall AJ, Schein J, Marra MA. *KMT2D* loss of function is associated with increased mutational load and down regulation of genes involved in DNA damage response pathways.

201. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Gadd A, Walz A, Ooms A, Huff V, Gerhard D, Smith M, Guidry Auvil J, Meerzaman D, Ma Y, Marra M, Dome J, Mullighan C, Wheeler D, Hampton O, Gastier-Foster J, Ross N, Perlman E. The Genetic Landscape of Wilms tumor. ***(Cancer Res. 2016 Jul;76:80 (Suppl 18))***

202. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Wong H-L, Karasinska J, Jones M, Eirew P, Schrader K, Lim H, Shen YQ, Jones S, Yip S, Laskin J, Marra M, Schaeffer DF, Renouf D. Gene expression analysis demonstrates prognostic subtypes in metastatic pancreatic ductal adenocarcinoma (PDAC).

203. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Laskin J, Shen YQ, Renouf D, Jones M, Lim H, Fok A, Ho C, Deol B, Gelmon K, Chia S, Moore R, Mungall A, Yip S, Jones S, Marra M. Restrictions on access to systemic therapy limit the application of whole genome sequencing in clinical care.

204. AACR 107th Annual Meeting. New Orleans, LA. Apr 16-20, 2016. Schrader KA, Chu'ng C, Zhao E, Wong H, Shen Y, Jones M, Thomson T, Lim H, Young S, Cremin C, Holt R, Eirew P, Karasinska J, Schein J, Zhao YJ, Mungall A, Moore R, Ma Y, Fok A, Roscoe R, Yip S, Mitchell G, Karsan A, Jones S, Schaeffer D, Laskin J, Marra M, Renouf D. Genomic analysis of pancreatic ductal adenocarcinoma in a patient with MUTYH-associated Polyposis.

205. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. Goya R, Meyer IM, Aparicio SA, Marra MA. Profiling Alternative Splicing in Triple Negative Breast Cancer Subgroups.

206. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. LeBlanc VG, Firme M, Song J, Lum A, Chan SY, Chittaranjan S, Yip S, Marra MA. Oncogenic CIC mutations in oligodendrogliomas deregulate mitogen-activated protein kinase signaling.

207. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. Topham J, Gagliardi A, Trinh DL, Huff RD, Mungall AJ, Schein J, Marra MA. *KMT2D* loss of function is

associated with increased mutational load and down regulation of genes involved in DNA damage response pathways.

208. B.I.G. Research Day, University of British Columbia. Vancouver, BC. Mar 11, 2016. Couse MH, Dias C, Shen Y, Zahir FR, Townsend K, Marra MA, Jones SJ, Friedman JM. Non-coding variation in patients with Aicardi Syndrome. **(Poster presentation)**

209. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Chong CC, Mottok A, Twa DDW, Ben-Neriah S, Chan FC, Kirk H, McDonald H, Pandoh P, Zhao YJ, Coope R, Ma Y, Moore R, Shah SP, Scott DW, Gascoyne RD, Marra MA, Steidl C, Mungall AJ. Detection of genomic rearrangements in archival lymphoma tissues using targeted capture sequencing.

210. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Moore RA, Shen Y[1], Kasaian K, Leelakumari S, Pleasance E, Eirew P, Jones M, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Tsang P, Mungall AJ, Zhao YJ, Yip S, Gelmon K, Lim H, Renouf D, Tinker A, Sun S, Roscoe R, Jones SJM, Laskin J, Marra MA. Whole Genome and Transcriptome sequencing for Personalized Cancer Therapy: Lessons learned from first 300 cases.

211. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Ma Y, Craig DW, Nasser S, Corbett R, Chan S, Long W, Murray L, Legendre C, Tembe W, Enriquez D, Adkins J, Kim N, Wong S, Baker A, e Pond S, Mungall AJ, Moore R, Pleasance E, Jones S, McDaniel T, Marra M, Carpten JD, Liang WS. Benchmarking a cancer genome sequencing pipeline using a new reference standard.

212. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Coope R, Smailus D, Tsao P, Haile S, Pandoh P, McDonald H, MacLeod T, Kirk H, Zhao YJ, Mungall AJ, Hirst M, Marra M. One Method to Rule Them All: Harmonized Robotic Library Construction for Seven Sample Types.

213. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Zhao YJ, Merhu S, Tsao P, Corbett R, MacLeod T, Pandoh P, McDonald H, Kirk H, Smailus D, Bala M, Miller D, Ma Y, Coope R, Mungall A, Moore R, Hirst M, Holt RA, Jones SJM, Marra MA. An Automated and Streamlined Strand-specific RNA-Seq Pipeline Allows High Throughput Processing of Low Input Samples.

214. The 16th Annual AGBT Meeting. Orlando, FL. Feb 10-13, 2016. Zhao EY, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Ch'ng C, Reisle C, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader KA, Roscoe R, Laskin J, Marra MA, Jones SJM. BRCA-Related Genomic Signature Predicts Clinical Improvement with Cisplatin.

215. Gastrointestinal Cancers Symposium. San Francisco, CA. Jan 21-23, 2016. Wong HL, Jones M, Eirew P, Karasinska J, Schrader KA, Lim HJ, Shen YQ, Jones S, Yip S, Laskin JJ, Marra M, Schaeffer DF, Renouf DJ. Comprehensive genomic analysis in metastatic pancreatic ductal adenocarcinoma (PDAC). ***(J. Clin. Oncol.2016 Feb;34(4):285 (Suppl S))***

216. Annual Canadian MD/PhD & CIP Trainee Conference. Toronto, ON. Nov 23-25, 2015. Zhao EY, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Ch'ng C, Reisle C, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader KA, Roscoe R, Laskin J, Marra MA, Jones SJM. A BRCA-Related Genomic Signature Associated With Clinical Improvement On Cisplatin.

217. 5th Annual TFRI BC Node Research Day. Vancouver, BC. Nov 16, 2015. Haile S, McDonald H, Pandoh P, Corbett R, Kirk H, Tsao P, Smailus D, Bilobram S, MacLeod T, Jones M, Bala M, Hirst M, Miller D, Moore R, Mungall A, Schein J, Steidl C, Ma Y, Coope R, Zhao YJ, Holt R, Jones S, Marra MA. A Streamlined, High Throughput and Automated Suite of Protocols for Extraction and Total RNA/gDNA Sequencing of Formalin-Fixed Paraffin-Embedded Clinical Specimens.

218. Cell Symposia: Human Genomics. Singapore. Nov 8-10, 2015. Lim EL, Trinh DL, Ries R, Ma Y, Hughes M, Gerhard DS, Alonzo TA, Arceci RJ, Meshinchi S, Marra MA. Comprehensive sequence analysis of relapse and refractory pediatric acute myeloid leukemia identifies miRNA and mRNA transcripts associated with treatment resistance. **(Poster presentation)**

219. Cell Symposia: Human Genomics. Singapore. Nov 8-10, 2015. Chun HJ, Lim EL, Heravi-Moussavi A, Saberi S, Mungall KL, Bilenky M, Jones SJM, Perlman EJ, Hirst M, Marra MA. Genome-wide profiles of extra-cranial malignant rhabdoid tumours reveal molecularly distinct subgroups with dysregulated developmental pathways. **(Poster presentation)**

220. AACR Precision Medicine Series: Integrating Clinical Genomics and Cancer Therapy. Salt Lake, UT. June 13-16, 2015. Bose P, Pleasance E, Jones M, Shen YQ, Ch'ng C, Reisle C, Schein JE, Mungall A, Moore R, Ma Y, Sheffield BS, Thomson T, Rasmussen S, Lee C, Yip S, Marra MA, Laskin J, Ho C, Jones SJM. Integrated genome analysis of a recurrent ghost cell odontogenic carcinoma. ***(Clin Cancer Res. 2016 Jan 1;22 Suppl 1)***

221. Personalized Medicine Summit. Vancouver, BC. June 7-9, 2015. Zhao E, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader I, Roscoe R, Laskin J, Marra MA, Jones SJM. Searching for Targetable Mutation Signatures in a Mixed Cancer Cohort.

222. Personalized Medicine Summit. Vancouver, BC. June 7-9, 2015. Deyell R, Rassekh SR, Shen Y, Lee A, Dunham C, Yip S, Virani A, Armstrong L, Laskin J, Marra M. Pediatric personalized oncogenomics (PedsPOG) – initial outcomes.

223. BC Cancer Agency Research Day. Vancouver, BC. June 11, 2015. Pon J, Wong J, Saberi S, Moksa M, Hirst M, Marra M. Transcriptional regulation by MEF2B affects mediators of cell proliferation, migration and epithelial to mesenchymal transition.

224. Clinician Investigator Program Annual Research Fellows Day, University of British Columbia. Vancouver, BC. June 5, 2015. Zhao E, Shen Y, Pleasance E, Kasaian K, Leelakumari S, Jones M, Bose P, Eirew P, Corbett R, Mungall KL, Thiessen N, Ma Y, Fok A, Schein J, Mungall AJ, Zhao YJ, Moore RA, Wilson S, Villa D, Shenkier T, Lohrisch C, Chia S, Yip S, Gelmon K, Lim H, Renouf D, Sun S, Schrader I, Roscoe R, Laskin J, Marra MA, Jones SJM. Searching for Targetable Mutation Signatures in a Mixed Cancer Cohort.

225. Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. May-June 2015. Koyoma T, Jones S, Utro F, Ma Y, Rhrissorrakrai K, Shen YQ, Carmeli J, Jones M, Waks Z, Pleasance E, Norel R, Moore R, Bilal E, Mungall AJ, Beaty K, Schein J, Michelini VV, Marra M, Royyuru A, Laskin J. Implementation of Watson genomic analytics processing to improve the efficiency of interpreting whole genome sequencing data on patients with advanced cancers. ***(J Clin Oncol. 2015 May 20; 33 (15) Suppl S)***

226. The American Society of Pediatric Hematology/Oncology's 28th Annual Meeting. Phoenix, AZ. May 6-9, 2015. Rassekh S, Deyell R, Shen YQ, Lee A, Dunham C, Virani A, Armstrong L**,** Morin R, Yip S, Pleasance E, Jones M**,** Schein J, Mungall A, Zhao YJ, Moore R, Ma Y, Jones S, Laskin J, Marra, M. Pediatric personalized oncogenomics (PedsPOG) - initial outcomes. ***(Pediatr Blood & Cancer. 2015 Jun; 62:25 Suppl 2)***

227. ARCC Conference 2015. Montreal, QC. May 24-25, 2015. Costa S, Connors JM, Cromwell I, Gascoyne R, Marra MA, Meissner B, Mungall AJ, Regier DA, Steidl C, Teckle P, van der Hoek K, Peacock S. Micro-Costing of Next Generation Sequencing (NGS) Using a Time-Motion Approach.

228. ISPOR 20th Annual International Meeting. Philadelphia, PA. May 16-20, 2015. Costa S, Connors JM, Cromwell I, Gascoyne R, Marra MA, Meissner B, Mungall AJ, Regier DA, Steidl C, Teckle P, van der Hoek K, Peacock S. Micro-Costing of High-Throughput Genomic Assays Using a Time-Motion Approach.

229. 104th Annual Meeting of the United States and Canadian Academy of Pathology. Boston, MA. Mar 21-27, 2015. Yip S, Sheffield B, Jones M, Pleasance E, Schaeffer D, Ng T, Li-Chang H, Lim H, Renouf D, Shen YQ, Jones S, Laskin J, Marra M. Next Generation Pathology: The Integration of Next Generation Sequencing With Glass-Based Histomorphology and Immunohistochemistry. ***(Mod Pathol. 2015 Feb; 28:465A Suppl 2)***

230. 104th Annual Meeting of the United States and Canadian Academy of Pathology. Boston, MA. Mar 21-27, 2015. Alassiri A, Ali R, Lum A, Goytain A, Shen YQ, Sorensen P, Strahlendorf C, Laskin J, Marra M, Nielsen T, Yip S, Lee C-H, Ng T. ETV6-NTRK3 is expressed in a subset of ALK-negative inflammatory myofibroblastic tumors: Case series of 20 patients demonstrated by comprehensive genomic profiling. ***(Mod Pathol. 2015 Feb; 28: 13A Suppl 2)***

231. B.I.G. Research Day 2015. Vancouver, BC. Mar 20, 2015. Topham J, Lim EL, Ma Y, Schuback HL, Mungall A, Moore R, Zhao YJ, Pleasance E, Gerhard DS, Meshinchi S, Arceci RJ, Marra MA. Integrative genomic and transcriptomic analysis of pediatric acute myeloid leukemia. **(Poster presentation)**

232. 56th ASH Annual Meeting and Exposition. San Francisco, CA. Dec 6-9, 2014. Totten S, Gaucher D, Morin RD, Assouline S, Connors JM, Marra MA, Scott D, Gascoyne RD, Pelletier J, Mann KK, Johnson NA. *FAS* Mutations Accelerate Lymphoma Growth and Induce Therapeutic Resistance.

233. 56th ASH Annual Meeting and Exposition. San Francisco, CA. Dec 6-9, 2014. Holm F, Hellqvist E, Mason C, Barrett C, Ali S, Chun E, Marra M, Runza V, Frazer K, Sadarangani A, Jamieson C. Malignant Reprogramming of Progenitors into Leukemia Stem Cells is Enhanced by Upregulation of CD44 transcript variant 3 in Malignant Microenvironments.

234. 56th ASH Annual Meeting and Exposition. San Francisco, CA. Dec 6-9, 2014. Ennishi D, Hoffer C, Shulha H, Mottok A, Farinha P, Chan FC, Meissner B, Boyle M, Ben-Neriah S, Morin R, Marra M, Savage K, Sehn L, Connors JM, Steidl C, Scott DW, Gascoyne RD. Clinical Significance of Genetic Aberrations in Diffuse Large B Cell Lymphoma.

235. Beyond the Genome: Cancer genomics. Boston, MA. Oct 8-10, 2014. Kasaian K, Shen Y, Leelakumari S, Pleasance E, Jones M, Li YY, Mungall KL, Schein J, Mungall AJ, Zhao YJ, Moore RA, Ma Y, Yip S, Gelmon K, Lim H, Renouf D, Laskin L, Marra MA, Jones SJM. Bioinformatic Analyses Approaches for Personalized Oncogenomics.

236. European Society for Medical Oncology 2014 Congress. Madrid, Spain. Sep 26-30, 2014. Laskin J, Moore R, Shen Y, Lim H, Gelmon K, Renouf D, Yip S, Huntsman D, Ng T, Mungall A, Fok A, Ho C, Chia S, Pleasance E, Kasaian K, Eirew P, Ma Y, Aparicio S, Jones S, Marra M. Demonstration of temporal heterogeneity identified by genome sequencing and the potential effect on treatment decisions for advanced cancer patients. **(Oral presentation)**

237. European Society for Medical Oncology 2014 Congress. Madrid, Spain. Sep 26-30, 2014. Lim H, Virani A, Fox A, Karsan A, Renouf D, Gelmon K, Yip S, Chia S, Sun S, Tinker A, Lee SJ, Rassekh R, Deyell R, Roscoe R, Jones S, Pleasance E, Marra M, Laskin J. Practical guidance for ethical and policy issues that arise from the clinical application of whole genome sequencing in cancer patients.

238. 10th Biennial Ovarian Cancer Research Symposium. Seattle, WA. Sep 2014. Ramos P, Karnezis AN, Craig DW, Sekulic A, Russell ML, Hendricks WP, Corneveaux JJ, Barrett MT, Shumansky K, Yang Y, Shah SP, Prentice LM, **Marra MA**, Kiefer J, Zismann VL, McEachron TA, Salhia B, Prat J, D'Angelo E, Clarke BA, Pressey JG, Farley JH, Anthony SP, Roden RB, Cunliffe HE, Huntsman DG, Trent JM.

Small cell carcinoma of the ovary, hypercalcemic type displays frequent inactivating germline and somatic mutations in SMARCA4. ***(Clic Cancer Res. 2015 Aug 15; 21 Suppl 16)***

239. 10th Biennial Ovarian Cancer Research Symposium. Seattle, WA. Sep 2014. Anglesio MS, Bashashati A, Wang YK, Ha G, Senz J, Yang W, Kalloger SE, Prentice LM, Yanagida S, Salamanca C, Soukhatcheva G, Karnezis AN, Chang N, Mes-Mason AM, Okamomo A, **Marra MA**, Gilks B, Shah SP, Huntsman DG. The somatic mutational landscape of endometriosis associated ovarian cancers and precursor lesions. ***(Clic Cancer Res. 2015 Aug 15; 21 Suppl 16)***

240. 20th International Conference on Brain Tumor Research and Therapy. Lake Tahoe, CA. Jul 20-22, 2014. Kaplan D, Grinshtein N, Rioseco C, Luchman A, Datti A, Aman A, Uehling D, Prakesch M, Wrana J, Cairncross G Shen YQ, Jones S, Marra M, Senger D, Robbins S, Al-Awar R, Moran M, Weiss W. Combined drug screening and phosphoproteomics identifies candidate brain tumor therapeutics and novel targets in primary human brain tumor-initiating cells. ***(J Neurooncol. 2014 Jul; 16(3)***

241. 16th International Symposium on Pediatric Neuro-Oncology. Singapore. Jun 28-Jul 2, 2014. Remke M, Ramaswamy V, Wang X, Jorgensen F, Morrissy AS, Marra MA, Packer R, Bouffet E, Pfister S, Jabado N, Taylor. Integrated genomics reveals relative spatial homogeneity of pediatric brain tumors. ***(J Neurooncol. 2014 Jul. Vol 16, Suppl 1:145)***

242. Genome BC Genomics Forum. Vancouver, BC. May 9, 2014. MacLeod T, Docking R, Swanson L, Corbett R, Smailus D, Pandoh P, Merhu S, Kirk H, McDonald H, Jones M, Parker J, Lee J, Kirkpatrick R, Roos A, Mungall AJ, Moore RA, Coope R, Zhao YJ, Langlois S, Karsan A, Marra MA. Circulating cell free DNA sequencing: Non-invasive detection of trisomies.

243. Genome BC Genomics Forum. Vancouver, BC. May 9, 2014. McDonald H, Jones M, Pandoh P, Tsao P, Smailus D, Corbett R, Merhu S, Kirk H, MacLeod T, Cruz K, Miller D, Schein J, Mungall AJ, Moore RA, Ma Y, Coope R, Zhao YJ, Jones SJM, Marra MA. A New High Throughput Pipeline for DNA Extraction and Illumina Library Construction from Archival FFPE samples.

244. AACR Annual Meeting. San Diego, CA. Apr 5-9, 2014. Laskin J, Shen Y, Lim H, Gelmon K, Renouf D, Yip S, Huntsman D, Tinker A, Ho C, Li Y, Kasaian K, Eirew P, Leelakumari S, Ma Y, Aparicio S, Jones S, Marra M. Whole genome sequencing is superior to cancer panels to aid in decision-making in patients with advanced malignancies. **(Poster presentation**)

245. AACR Annual Meeting. San Diego, CA. Apr 5-9, 2014. Kasaian K, Shen Y, Leelakumari S, Eirew P, Li YY, Corbett R, Mungall KL, Schein J, Mungall AJ, Zhao YJ, Moore RA, Yip S, Gelmon K, Lim H, Renouf D, Roscoe R, Ma Y, Marra MA, Laskin J, Jones SJM. Bioinformatics Analysis Approaches for Personalized Oncogenomics.

246. Keystone Symposia: Tumor Metabolism (X6). Whistler, BC. Mar 16-21, 2014. Chittaranjan S, Chan S, Yang C, Yang KC, Moradian A, Firme M, Chen V, Go NC, Blough M, Song J, Chan JA, Cairncross JG, Gorski SM, Morin G, Yip S, Marra MA. CIC interacts with ACLY and regulates cell proliferation in coordination with IDH1.

247. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Gascard P, Bilenky M, Sigaroudinia M, Zhao J, Tam A, Kamoh B, Cheung D, Li I, Li L, Moussavi A, Carles A, Nagarajan RP, Hong C, Echipare L, O'Geen H, Hangauer M, Cheng JB, Neel D, McManus M, Moore R, Wang T, Farnham P, Jones SJM, Marra MA, Tlsty TD, Costello JP, Hirst M. Persistent and transient epigenomic states in mammary gland development. **(Oral presentation)**

248. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Mungall AJ, Bowlby R, Mungall KL, Nip KM, Chu J, Chu A, Robertson AG, Brooks D, Sipahimalani P, Chiu R, Qian JQ, Thiessen N, He A, Tam A, Birol I, Ma Y, Moore RA, Schein JE, Jones SJM, Marra MA and TCGA Research Network. Detection of pathogen messenger RNA and microRNA transcripts in human cancer transcriptomes. **(Oral presentation)**

249. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Coope R, Tsao P, Merhu S, Corbett R, Pleasance S, Cruz K, Moore RA, Zhao YJ, Mungall AJ, Marra M. Flexible automation of Poly-A capture RNASeq sample prep and validation analysis**. (Poster presentation)**

250. The 15th Annual AGBT Meeting. Feb 12-15, 2014. Marco Island, FL. Docking R, Bosdet I, Chan S, Swanson L, Yang L, Mungall A, Zeng T, Coope R, Munro S, Jadersten M, Sung S, Chang L, Duns G, Parker J, Birol I, Moore R, Jones S, Hogge D, Marra M, and Karsan A. RNA-Seq and Gene-panel Assays for Risk Stratification in Acute Myeloid Leukemia. **(Poster presentation)**

251. 2014 Gastrointestinal Cancers Symposium. San Francisco, CA. Jan 16-18, 2014. Renouf DJ, Laskin JJ, Lim HJ, Yip S, Schaeffer D, Huntsman D, Morin R, Li Y, Shen Y, Zhao YJ, Kasaian K, Leelakumari S, Corbett R, Eirew P, Mungall K, Mungall A, Schein J, Roscoe R, Jones S, Marra M. Detailed genomic analysis in patients with pancreatic ductal adenocarcinoma (PDAC).

252. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Recart ACC, Sadarangani A, Chun E, Mason CN, Jiang F, Barrett CL, Wall R, Goff DJ, Geron J, shih A, Leu HS, Ma WX, Minden MD, Fraser KA, Marra MA, Crews LA, Jamieson CHM. Inhibition of Inflammation Driven Leukemia Stem Cell Self-Renewal with a Selective JAK2 Antagonist. ***(Blood. 2013 Nov 15; 122(21):1481)***

253. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Berg T, Thoene S, Yap D, Wee T, Schoeler N, Rosten P, Lim E, Bilenky M, Mungall AJ, Oellerich T, Umlandt P, Salmi A, Chang H, Yue L, Lai D, Cheng G, Serve H, Morin RD, Hirst M, Marra MA, Morin GB, Gascoyne RD, Aparicio SA, Humphries RK. Characterization of the Effects of Mutated EZH2 on Expression and Epigenome in a Mouse Lymphoma Model. ***(Blood. 2013 Nov 15; 122(21):346)***

254. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Ennishi D, Chan FC, Scott DW, Hother C, Meissner B, Boyle M, Morin RD, Sehn LH, Marra MA, Connors JM, Steidl C, Gascoyne RD. Genetic Alterations in Immune Cell Crosstalk Genes in Diffuse Large B-Cell Lymphoma Predict Survival. ***(Blood. 2013 Nov 15; 122(21):500)***

255. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Sloma I, Mitjavila-Garcia M, Feraud O, Oudrhiri N, Tosca L, El Marsafy L, Gobbo E, Divers D, Proust A, Griscelli F, Tachdjian G, Marra M, Eaves CJ, Bennaceur-Griscelli A, Turhan AG. Whole genome sequencing of chronic myeloid leukemia (CML)-derived induced pluripotent stem cells (iPSC) reveals faithful genocopying of highly mutated primary leukemic cells. ***(Blood. 2013 Nov 15; 122(21):514)***

256. 55th Annual Meeting of the American Society of Hematology. New Orleans, LA. Dec 7-10, 2013. Gunawardana J, Chan FC, Telenius A, Woolcock B, Kridel R, Tan KL, Ben-Neriah S, Lim R, Rogic S, Boyle M, Guiter C, Haioun C, Leroy K, Rimsza LM, Gaulard P, Savage KJ, Connors JM, Marra MA, Shah SP, Gascoyne RD, Steidl C. Protein tyrosine phosphatase type-1 (*PTPN1*) is frequently mutated in Primary Mediastinal B cell lymphoma and Hodgkin Lymphoma. ***(Blood. 2013 Nov 15; 122(21):242)***

257. 18th Annual Meeting of the Society of Neuro Oncology. San Francisco, CA. Nov 21-24, 2013. Johnson B, Mazor T, Hong CB, Barnes M, Yamamoto S, Ueda H, Tatsuno K, Aihara K, Jalbert L, Nelson S, Bollen A, Hirst M, Marra M, Mukasa A, Saito N, Aburatani H, Berger M, Chang SS, Taylor B, Costello J. Therapy-induced evolution of low-grade glioma genomes during malignant progression. ***(J Neurooncol. 2013 Nov. Vol 15 Suppl 3: 143)***

258. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Lim EL, Trinh DL, Scott DW, Chu A, Morin RD, Mungall AJ, Boyle M, Johnson NA, Connors JM, Gascoyne RD, Marra MA. Deep Sequencing of the DLBCL miRnome Reveals Novel and Prognostic miRNA. **(Poster presentation)**

259. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Pon J, Chittaranjan S, Wong J, Firme M, Tamura-Wells J, O'Brien K, Chan S, Trinh D, Mendez-Lago M, Morin R, Connors JM,

Gascoyne RD, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations Recurrent in Non Hodgkin's Lymphoma. **(Poster presentation)**

260. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Huff RD, Mendez-Lago M, Morin RD, Scott DW, Connors JM, Gascoyne RD, Marra MA. MLL2 interactions in follicular and diffuse large B-cell lymphoma. **(Poster presentation)**

261. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Firme M, Chittaranjan S, Chan S, Yang C, Pon J, Trinh D, Butterfield Y, Blough M, Chan J, Cairncross G, Yip S, Marra M. Nuclear localization of the transcriptional repressor Capicua is regulated by intracellular calcium through an interaction with Calmodulin. **(Poster presentation)**

262. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Trinh D, Lim E, Scott D, Chu A, Morin R, Mungall A, Boyle M, Johnson N, Connors J, Gascoyne R, Marra M. Investigating the Consequences of miR-21 and miR-148a Dysregulation in Diffuse Large B-cell Lymphoma. **(Poster presentation)**

263. 2013 Canadian Cancer Research Conference. Toronto, ON. Nov 3-6, 2013. Chittaranjan S, Chan S, Yang C, Moradian A, Yang K, Firme M, Chen V, Butterfield Y, Blough M, Chan J, Gorski S, Cairncross G, Morin G, Yip S, Marra M. Cytoplasmic Capicua is tethered to mitochondria and regulates cell proliferation and survival in coordination with Isocitrate Dehydrogenase1. **(Poster presentation)**

264. 3rd Annual TFRI-BC Node Research Day. Vancouver, BC. Oct 31, 2013. Yu S, Zong Z, Fornika D, Nielsen J, Connors J, Nelson B, Gascoyne R, Marra M, Johnson N, Morin RD. Mutational analysis in the non-Hodgkin lymphomas and development of minimally invasive biomarkers for monitoring disease progression.

265. Clinician Investigator Trainee Association of Canada Annual Meeting. Ottawa, ON. Sep 17-18, 2013. Pon J, Chittaranjan S, Wong J, Chan S, Trinh D, Tamura-Wells J, Firme M, O'Brien K, Mendez-Lago M, Morin R, Connors JM, Gascoyne RD, Marra M. Regulatory Networks Impacted by MEF2B Mutations Recurrent in Non Hodgkin Lymphoma. **(Poster presentation)**

266. Annual Meeting of the American Society of Clinical Oncology. Chicago, IL. May 31-June 4, 2013. Laskin JJ, Lim HJ, Gelmon KA, Ho C, Renouf DJ, Yip S, Huntsman D, Tinker A, Pleasance E, Li Y, Shen YQ, Kasaian K, Corbett R, Mungall K, Mungall A, Zhao YJ, Schein J, Roscoe R, Jones S, Marra M. Practical application of whole genome and transcriptome tumour analysis to guide chemotherapy decision-making for patients with advanced cancers. ***(J Clin Oncol. 2013 May 30; 31(15) Suppl S)***

267. AACR Precision Medicine Series. Synthetic Lethal Approaches to Cancer Vulnerabilities. Bellevue, WA. May 19-20, 2013. Huff R, Mendez-Lago M, Morin RD, Scott DW, Connors JM, Gascoyne RD, Marra MA. MLL2 interactions in follicular and diffuse large B-cell lymphoma. **(Poster presentation)**

268. 2nd Annual Pediatric Neuro-Oncology Basic and Translational Research Conference. Fort Lauderdale, FL. May 16-17, 2013. Morrissy AS, Mayoh C, Lo A, Thiessen N, Tse K, Moore R, Mungall A, Wu XC, Van Meter TE, Cho YJ, Collins VP, MacDonald TJ, Li XN, Fernandez-Lopez A, Malkin D, Marra MA, Taylor MD. Uncovering clonal evolution patterns in medulloblastoma metastases using whole genome sequencing. ***(J Neurooncol. 2013 Apr. Vol 15 Suppl 1:34-35)***

269. 2nd Annual Pediatric Neuro-Oncology Basic and Translational Research Conference. Fort Lauderdale, FL. May 16-17, 2013. Cavalli MG, Morrissy AS, Li Y, Chu A, Remke M, Thiessen N, Mungall AJ, Bader GD, Malkin D, Marra MA, Taylor MD. Identification of the microRNAs contributing to the regulation and molecular specificities of the medulloblastoma subgroups. ***(J Neurooncol. 2013 Apr. Vol 15 Suppl 1:20-21)***

270. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Trinh DL, Scott DW, Morin RD, Mendez-Lago M, An J, Jones SJM, Mungall AJ, Zhao YJ, Schein J, Steidl C, Connors JM, Gascoyne

RD, Marra MA. Analysis of *FOXO1* Mutations in Diffuse Large B-Cell Lymphoma. **(Poster presentation)**

271. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Huff RD, Mendez-Lago M, Morin RD, Scott DW, Connors JM, Gascoyne RD, Marra MA. MLL2 Interactions in Follicular and Diffuse Large B-Cell Lymphoma. **(Poster presentation)**

272. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Lim E, Trinh D, Scott D, Chu A, Morin R, Mungall A, Boyle M, Johnson N, Connors J, Gascoyne R, Marra M. Deep Sequencing of the DLBCL miRnome Reveals Novel Prognostic miRNA. **(Poster presentation)**

273. TFRI 4th Annual Scientific Meeting. Ottawa, ON. May 9-11, 2013. Pon J, Chittaranjan S, Firme M, Tamura-Wells J, O'Brien K, Chan S, Trinh D, Mendez-Lago M, Morin R, Connors J, Gascoyne R, Marra M. Regulatory Networks Impacted by *MEF2B* Mutations. **(Poster presentation)**

274. The Fifth Annual Canadian National Proteomic Network Symposium. Vancouver, BC. April 20-24, 2013. Morin GB, Chen VC, Moradian A, Cheng GSW, McLean M, Chittaranjan S, Yap DB, Aparicio S, Marra MA, Huntsman DG. Detection and quantitation of mutated and alternatively processed oncogenic driver proteins in cancers. **(Oral presentation)**

275. 104th Annual Meeting of the American Association for Cancer Research. Washington, DC. Apr 6-10, 2013. Wood AC, Pugh TJ, Morozova O, Molenaar JJ, Koster J, Pineros V, Bosse K, Perin J, Diskin S, Diamond M, Versteeg R, Marra M, Meyerson M, Maris JM. Rare DNA variants are enriched at the BARD1 locus and likely influence neuroblastoma susceptibility. ***(Cancer Res. 2013 Apr 15;73(8) Suppl 1: 3804)***

276. 104th Annual Meeting of the American Association for Cancer Research. Washington, DC. Apr 6-10, 2013. Laskin JJ, Gelmon K, Lim H, Renouf D, Yip S, Huntsman D, Tinker A, Ho C, Pleasance E, Li Y, Shen YQ, Kasaian K, Corbett R, Mungall K, Zhao YJ, Mungall A, Schein J, Roscoe R, Jones S, Marra M. Genome analysis informs chemotherapy decision-making in patients with advanced malignancies. ***(Cancer Res. 2013 Apr 15; 73(8) Suppl 1)***

277. Joint Conference of Human Genome Meeting 2013 and 21st International Congress of Genetics. Singapore. Apr 13-18, 2013. Zahir F, Shen Y, Adam S, F. FORGE Canada Consortium, Marra M, Jones S, Friedman F. Whole Exome Sequencing For Siblings With Severe Intellectual Disability.

278. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Mungall AJ, Bowlby R, Chu A, Chun H-J, Robertson AG, Lim E, Mungall KL, Chiu R, Hamilton K, Chu J, Nip KM, Qian JQ, Sipahimalani P, Stoll D, Thiessen N, He A, Schein JE, Varhol R, Tam A, Zhao YJ, Moore RA, Birol I, Jones SJM, Marra MA, and TCGA Research Network. High-grade serous ovarian adenocarcinoma transcriptome sequencing. **(Oral presentation)**

279. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Zhao YJ, Mwenifumbo J, McDonald H, Corbett R, Kasaian K, Lim R, Slobodan J, Thorne T, Moksa M, Pandoh P, Kirk H, Haile Merhu S, Cruz K, Scott D, Neriah SB, Chun Chan F, Coope R, Moore RA, Mungall AJ, Gascoyne R, Steidl C, Jones SJM, Marra MA. High Throughput Genome Sequencing Protocol Development for Archival Formalin-Fixed Paraffin-Embedded (FFPE) Samples. **(Poster presentation)**

280. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Hirst M, Bilenky M, Tam A, Kamoh B, Cho S, Cheung D, Li I, Carles A, Cheng J, Moore R, Jones SJM, Tlsty T, Aparicio S, Farnham P, Eaves C, Connors J, Wang A, Huntsman D, Karsan A, Wang T, Marra MA, Costello J. Reference Human Epigenomes. **(Poster presentation)**

281. The 14th Annual AGBT Meeting. Marco Island, FL. Feb 20-23, 2013. Lam LT, Slobodan J, Pleasance SJ, Moore R, Docking R, Karsan A, Marra MA, Coope RNJ. Accurate Determination of Sample Molarity for Successful NGS Cluster Generation. **(Poster presentation)**

282. 2013 Gastrointestinal Cancers Symposium. San Francisco, CA. Jan 24-26, 2013. Peixoto R, Li Y, Pleasance E, Yip S, Zhao YJ, Schein J, Shen Y, Lim HJ, Renouf DJ, Gelmon KA, Huntsman D, Jones S, Marra M, Laskin JJ. A case of the utilization of genomic information in the management of metastatic colorectal cancer.

283. Keystone Conference: Noncoding RNAs in Cancer and Development. Vancouver, BC. Jan 20-25, 2013. Lim EL, Morin RD, Chu A, Gascoyne RD, Marra MA. An Integrative Analysis of miRNA:mRNA Interactions Acting in Cancers. **(Poster presentation)**

284. The Eleventh Asia Pacific Bioinformatics Conference. Vancouver, BC. Jan 21-23, 2013. Shen Y, Zhan SH, Varhol R, Khodabakhshi AH, Fejes AP, He A, Thiessen N, FORGE Canada Consortium, Mungall A, Birol I, Marra MA, Jones SJM. Finding of Rare Disease Genes in Canada.

285. 54th ASH Annual Meeting and Exposition. Atlanta, GA. Dec 8-11, 2012. Leu HS, Goff DJ, Low-Marchelli J, Court Recart A, Smith KM, Ma W, Sadarangani A, Shih AY, Wei J, Zhai D, Gotlib J, Minden M, Martinelli G, Marra M, Frazer KA, Pellecchia M, Reed JC, Jamieson CHM. Sabutoclax, a Novel Pan BCL2 Family Inhibitor, Sensitizes Dormant Blast Crisis Chronic Myeloid Leukemia Stem Cells to Dasatinib.

286. 54th ASH Annual Meeting and Exposition. Atlanta, GA. Dec 8-11, 2012. Court Recart A, Goff D, Sadarangani A, Mason C, Shih A, Wall R, Leu H, Ma W, Marra M, Barrett C, Frazer K, Jamieson C. Combined JAK/STAT5A and BCR-ABL Inhibition Impairs Blast Crisis Chronic Myeloid Leukemia Stem Cell Self-Renewal.

287. 54th ASH Annual Meeting and Exposition. Atlanta, GA. Dec 8-11, 2012. Chun Chan F, Ben-Neriah S, Lim R, Hu S, Rogic S, Johnson N, Morin R, Ha G, Ding J, Scott DW, Sehn L, Connors JM, Marra MA, Gascoyne RD, Shah S, Steidl C. Large-Scale High Resolution Integration of Copy Number and Gene Expression in DLBCL Reveals Focal and Frequent Deletions in Chromatin Modifying Genes with Outcome Correlation**.**

288. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Chun H-J, Pleasance ED, Varhol R, Corbett R, Guin R, Schein JE, Mungall AJ, Zhao YJ, Moore RA, Perlman EJ, Gerhard DS, Marra MA. Whole genome sequencing of rhabdoid tumours of the kidney. **(Poster presentation)**

289. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Swanson L, Mungall KL, Robertson G, Chiu R, Fentiman A, Jackman SD, Lee S, Moore RA, Nip KM, Parker J, Qian J, Raymond A, Yorukoglu D, Zhao YJ, Sahinalp SC, Hoodless PA, Jones SJM, Marra MA, Karsan A, Birol I. Detecting and characterizing fusions and tandem duplications in assembled mouse transcriptomes using Barnacle. **(Poster presentation)**

290. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Goya R, Meyer IM, Marra MA. A Centralized Framework for Analyzing and Comparing Alternative Splicing Profiles.

291. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 29-Dec 1, 2012. Li Y, Pleasance E, Shen Y, Kasaian K, Corbett R, Mungall K, Zhao YJ, Mungall A, Yip S, Lim H, Laskin J, Jones S, Marra M. Utilization of Genomic Information for Personalized Therapy in Patients with Incurable Malignancies.

292. Genome Canada's Genomics: The Power and the Promise Conference. Ottawa, ON. Nov 27-28, 2012. Kasaian K, He A, Thiessen N, Mungall KL, Qian J, Varhol R, Zhao YJ, Birol I, Moore R, Mungall AJ, Hirst M, Marra MA, Walker BAM, Wiseman SM, Jones SJM. Profiling Thyroid Cancers on the Molecular Level. **(Poster presentation)**

293. Cold Spring Harbor Laboratory Meeting on Mechanisms and Models of Cancer. NY, USA. Aug 14-18, 2012. Chittaranjan S, Yang C, Moradian A, Chan A, Firme M, Morozova O, Chen G, Butterfield Y,

Blough M, Chan J, Cairncross G, Morin G, Yip S, Marra MA. Characterizing the role of Capicua in oligodendroglioma.

294. 22nd Biennial European Cancer Research Congress. Barcelona, Spain. July 7-10, 2012. Mendez-Lago M, Morin RD, Mungall AJ, Goya R, Trinh DL, Corbett R, Rogic S, Gascoyne RD, Connors JM, Marra MA. Genomic Analysis of Non-Hodgkin Lymphomas Reveals Mutations in Chromatin Remodelling Genes. (***Eur J Cancer. 2012 Jul 31;48:S135)***

295. ISBER 2012 Annual Meeting. Vancouver, BC. May 2012. Schein J, Carter C, Guin R, Bala M, Carlsen R, Dhalla N, Hirst C, Lee D, Miller D, Shafiei A, Tam A, Wye N, Zhao YJ, Roscoe R, Mungall A, Birol I, Jones S, Marra M. Sample Receipt and Management at the Genome Sciences Centre.

296. Gordon Research Seminar and Conference: Autophagy in Stress, Development & Disease. Ventura, CA. Mar 11-16, 2012. Lebovitz C, Morin R, Marra M, Gorski S. Investigation of human autophagy genes as targets of somatic mutation in cancer. **(Poster presentation)**

297. AAAS Annual Meeting. Autophagy: An Emerging Therapeutic Target in Human Disease. Vancouver, BC. Feb 16-20, 2012. Lebovitz C, Morin R, Marra M, Gorski S. Investigation of human autophagy genes as targets of somatic mutation in cancer. **(Poster presentation)**

298. Keystone Advances in Islet Biology Symposium. Monterey, CA. Mar 2012. Tennant BR, Robertson AG, Beach M, Li L, Zhang X, Whiting CJ, Kim A, Zhang SH, Gottardo R, Marra MA, Jones SJM, Hoodless PA, Hoffman BG. Identification and analysis of pancreatic islet enhancers.

299. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mendez-Lago M, Morin RD, Mungall AJ, Mungall KL, Bolger-Munro M, Goya R, Khodabakhshi AH, Johnson NA, Chiu R, Jackman S, Krzywinski M, Scott D, Trinh DL, Griffith M, Corbett R, Smailus D, Moksa M, Brooks-Wilson A, Meissner B, Woolcock B, Boyle M, McDonald H, Tam A, Zhao YJ, Delaney A, Zeng T, Tse K, Birol I, Holt R, Schein J, Horsman DE, Moore R, Hirst M, Jones SJM, Connors JM, Gascoyne RD, Marra MA. Integrative Genomic Analysis of Diffuse Large B-cell Lymphoma**. (Poster presentation)**

300. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mwenifumbo JC, Griffith M, Zhao YJ, Owen D, Gill S, Marra M. Exploring Mutational Evolution of Metastatic Colorectal Cancer. **(Poster presentation)**

301. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mendez-Lago M, Morin RD, Mungall AJ, Gascoyne RD, Marra MA. *MLL2* Mutations in Follicular Lymphoma and Diffuse Large B-Cell Lymphoma.

302. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Hirst M , Gascard P, Delaney A, Zhao YJ, Sigaroudinia M, Cheng J, Bilenky M, Tam A, Kamoh B, Cheung D, Li I, Varhol R, Nagarajan R, Hong C, Echipare L, O'Geen H, Hangauer M, Neel D, Haussler D, Weiss A, McManus M, Moore R, Wang T, Aparicio S, Shah S, Farnham P, Jones SJM, Tlsty T, Marra MA, Costello J. Epigenetic Contributions to Cell Identity in Human Breast.

303. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Goya R, Griffith M, Shah SP, Aparicio SA, Meyer IM, Marra MA. Alternative Splicing in Triple Negative Breast Cancers Suggests Differences in Precursor Differentiation State.

304. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Zhao YJ, Schein JE, Zeng T, Moore RA, Li I, Chuah E, Varhol R, Stoll D, Moksa M, Smailus DE, Slobodan J, Dhalla N, Tam A, Prabhu A, Ally A, Asano J, Tam B, Sze W, Kamoh B, Kirk H, Trinh E, Cruz K, Thorne T, Mah D, Deng M, Azrahimi N, Cho S, Chahal S, McDonald H, Pandoh P, Ma K, Lee D, Mayo M, Carlsen R, Candace C, Hirst C, Pleasance ED, Chu A, Chun HJE, Thiessen N, Mungall K, Wong T, Guin R, Butterfield Y, Sipahimalani P, Stazyk G, Coope R, Robertson G, Birol I, Hirst M, Mungall AJ,

Jones SJM, Marra MA and the BCCA GSC team. TCGA Pipelines for RNA-Seq and miRNA-Seq at the Genome Sciences Centre, British Columbia Cancer Agency.

305. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Mungall AJ, Chu A, Robertson G, Ally A, Ben-Neriah S, Boyle M, Carter C, Carlsen R, Chiu R, Choe G, Chun HJE, Corbett R, Dhalla N, Johnson NA, Lee D, Li I, Mayo M, McDonald H, Meissner B, Morin RD, Mendez-Lago M, Moksa M, Mungall KL, Munro S, Pandoh P, Scott DW, Slobodan J, Smailus D, Rimsza L, Tam A, Trinh DL, Woolcock B, Wu S, Wye N, Zhao YJ, Bala M, Birol I, Butterfield Y, Coope R, Hirst M, Holt R, Jones SJM, Moore R, Schein J, Varhol R, Horsman DE, Connors JM, Gascoyne RD, Marra MA. MicroRNA expression profiling of diffuse large B-cell lymphoma samples.

306. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Coope R, Slobodan J, Lam LT, Drewbrook C, Ouellette C, Chun HJE, Fong J, Goodacre E, Henderson S, Corbett R, Chu A, Moksa M, Smailus D, Wye N, Hirst M, Marra MA. Post Size Selection Automation for Large Scale Library Construction.

307. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Kasaian K, Thiessen N, Mungall KL, Fejes AP, Zhao YJ, Birol I, Marra MA, Walker BAM, Nabi IR, Wiseman SM, Jones SJM. Whole Transcriptome Analysis of Anaplastic Thyroid Carcinomas.

308. 13th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2012. Moore R, Bosdet I, Docking R, Butterfield Y, Chan S, Young S, Kirkpatrick R, Hirst M, Mungall A, Zhao YJ, Birol I, Holt R, Karsan A. Implementation of a Clinically-Compliant Diagnostic High Throughput Sequencing Pipeline.

309. Pediatric Cancer Translational Genomics Conference. Scottsdale, AZ. Feb 2012. Morozova O, Attiyeh EF, Asgharzadeh S, Birol I, Corbett RD, Mungall KL, Zhao YJ, Moore RA, Thiessen N, Chiu R, Jackman SD, Qian J, Krzywinski M, Hirst M, Diskin SJ, Mosse YP, Cole KA, Diamond M, Sposto R, Pugh TJ, Smith MA, Guidry Auvil JM, Gerhard DS, Meyerson M, Hogarty M, Jones SJM, Seeger RC, Khan J, Maris JM, Marra MA. RNA sequencing of primary neuroblastoma tumors reveals aberrations in the BRCA1/BARD1 pathway.

310. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Mungall AJ, Chu A, Chun HJE, Bolger-Munro M, Mungall K, Robertson G, Bala M, Butterfield Y, Chiu R, Chuah E, Coope R, Deng A, Dhalla N, Guin R, Hirst C, Lee D, Li I, Ma K, McDonald H, Mayo M, Moksa M, Munro S, Pleasance ED, Prabhu A, Qian J, She R, Slobodan J, Smailus DE, Stoll D, Tam A, Thiessen N, Varhol R, Wang T, Wong T, Zeng T, Birol I, Hirst M, Moore RA, Schein JE, Stazyk G, Zhao YJ, Jones SJM, Marra MA and the TCGA Research Network. Expression Analyses and Mutation Discovery from Acute Myeloid Leukemia Messenger/Micro-RNA Transcriptomes.

311. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Gascard P, Delaney A, Zhao YJ, Sigaroudinia M, Cheng J, Nielsen C, Tam A, Kamoh B, Cheung D, Li I, Varhol R, Nagarajan R, Hong C, Echipare L, O'Geen H, Hangauer M, Neel D, Haussler D, Weiss A, McManus M, Moore R, Wang T, Farnham P, Jones SJM, Tlsty T, Marra MA, Costello J, Hirst M. Epigenetic Contributions to Cell Identity in Human Breast.

312. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Mendez-Lago M, Morin RD, Mungall AJ, Trinh DL, Be-Neriah S, Goya R, Gascoyne RD and Marra MA. MLL2 mutations in follicular and diffuse large B-cell lymphomas.

313. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Trinh DL, Mendez-Lago M, Morin RD, Scott DW, Mungall AJ, Chittaranjan S, Zhao YJ, McDonald H, Gascoyne RD, Marra MA. Recurrent Mutations Affecting the *FOXO1* Gene in Non-Hodgkin Lymphomas.

314. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Goya R, Griffith M, Shah SP, Aparicio SA, Meyer IM, Marra MA. Alternative Expression Profiling Of Triple Negative Breast Cancers.

315. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Dec 2011. Lim EL, Bilenky M, Morin RD, Berg T, Marra MA. Elucidating the Mechanisms by which EZH2 Contributes to Lymphomagenesis.

316. 53rd Annual Meeting and Exposition of the American Society of Hematology. San Diego, CA. Dec 2011. Roberts KG, Morin RD, Zhang J, Hirst M, Harvey RC, Kasap C, Edmonson MN, Chen I-M, Shah NP, Devidas M, Reaman G, Smith M, Pui C-H, Downing JR, Gerhard DS, Willman CL, Loh M, Hunger SP, Marra M, Mullighan CG and the Children's Oncology Group. Novel Chromosomal Rearrangements and Sequence Mutations in High-risk Ph-like Acute Lymphoblastic Leukemia. ***(Blood. 2011 Nov 18;118(21):32)***

317. 53rd Annual Meeting and Exposition of the American Society of Hematology. San Diego, CA. Dec 2011. Berg T, Yap D, Thoene S, Wee T, Schoeler N, Umlandt P, Chang H, Yue L, Lai D, Cheng G, Morin RD, Hirst M, Marra MA Morin GB, Gascoyne RD, Aparicio SA, Humphries RK. Mutated EZH2 Collaborates with Myc in Inducing Lymphoma in a Mouse Model. ***(Blood. 2011 Nov 18;118(21):104).***

318. Canadian Cancer Research Conference. Toronto, ON. Nov 2011. Lim E, Bilenky M, Yap D, Berg T, Humphries K, Aparicio S, Marra M. Investigating the Mechanisms by which EZH2-Y641 Mutation Contributes to Lymphomagenesis**. (Poster presentation)**

319. Canadian Cancer Research Conference. Toronto, ON. Nov 2011. Mendez-Lago M, Morin RD, Mungall AJ, Trinh DL, Be-Neriah S, Goya R, Gascoyne RD and Marra MA. MLL2 mutations in follicular and diffuse large B-cell lymphomas.

320. Canadian Cancer Research Conference. Toronto, ON. Nov 2011. Trinh DL, Mendez-Lago M, Morin RD, Scott DW, Mungall AJ, Chittaranjan S, Zhao YJ, McDonald H, Gascoyne RD, Marra MA. Recurrent Mutations Affecting the *FOXO1* Gene in Non-Hodgkin Lymphomas.

321. Medical Genetics Research Day, University of British Columbia. Vancouver, BC. Nov 2011. Pon J, Chittaranjan S, Tamura-Wells J, Firme M, Mendez-Lago M, Trinh D, Morin R, Goya R, Chan S, Marra M. Functional characterization of MEF2B mutations recurrent in non-hodgkin lymphoma.

322. Medical Genetics Research Day, University of British Columbia. Vancouver, BC. Nov 2011. Huff RD, Morin RD, Mendez-Lago ML, Johnson NA, Scott DW, Rogic SR, Ben-Neriah S, Meissner B, Mungall AJ, Goya R, Chan S, Woolcock B, Boyle M, Connors JM[2], Gascoyne RD[2], Marra MA. Investigating the role of GNA13 in Diffuse Large B-cell lymphoma.

323. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Mungall AJ, Chu A, Chun HJE, Bolger-Munro M, Pleasance ED, Robertson G, Bala M, Butterfield Y, Chiu R, Chuah E, Coope R, Deng A, Dhalla N, Guin R, Hirst C, Lee D, Li I, Ma K, McDonald H, Mayo M, Moksa M, Mungall K, Munro S, Prabhu A, Qian J, She R, Slobodan J, Smailus DE, Stoll D, Tam A, Thiessen N, Varhol R, Wang T, Wong T, Zeng T, Birol I, Moore RA, Schein JE, Stazyk G, Zhao YJ, Hirst M, Jones SJM, Marra MA and the TCGA Research Network. Expression analyses and mutation discovery from acute myeloid leukemia messenger/microRNA transcriptomes.

324. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Chu A, Robertson G, Wu S, Chun E, Mungall A, Schein J, Varhol R, Tam A, Zhao YJ, Moore R, Hirst M, Jones SJM, Birol I, Marra MA. Comparison of expression correlation networks between miRNA and mRNA.

325. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Chu A, Corbett R, Robertson G, Chun E, Birol I, Jones S, Marra MA. BLISS (Batch anaLysIS Suite) : A Tool for Contrasting and *De Novo* Grouping of Expression Data.

326. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Chun HJE, Thiessen N, Mungall K, Chu A, Robertson G, Chua E, Varhol R, Zhao YJ, Schein JE, Moore RA, Stoll D, Mungall AJ, Birol I, Jones JSM, Marra MA. Analyses of RNA-sequencing data from stomach adenocarcinoma.

327. The Cancer Genome Atlas 1st Annual Scientific Symposium. National Harbor, MD. Nov 2011. Butterfield Y, Corbett R, Thiessen N, Birol I. RNASeq-Align: RNA sequencing junction alignment and repositioning tool.

328. CSHL/Wellcome Trust Conference on Genome Informatics. Cold Spring Harbor, New York, Nov 2011. Jones S, Fejes A, Khodabakshi A-H, Kasaian K, Mungall K, Morin R, Goya R, Qian J, Nip KM, Chui R, Li S, Raymond A, Jackman S, Birol I, Marra M. Identifying oncogenically relevant mutation events in human cancers.

329. ASHG/ICHG 2011 Meeting. Montreal, QC. Oct 2011. Schrader K, Heravi-Moussavi A, Waters P, Senz J, Whelan J, Ha G, Eydoux P, Nielsen T, Gallagher B, Oloumi A, Boyd N, Fernandez BA, Young TL, Jones SJM, Hirst M, Shah SP, Marra MA, Green J, Huntsman DG. A next-generation sequencing approach to diagnosis of a family's skeletal abnormalities and retinitis pigmentosa.

330. 51st Canadian Association of Neuropathologists Annual Meeting. Sep 2011. Vancouver, BC. Yip S, Butterfield Y, Morozova O, Blough M, Chan J, Maslova A, Chittaranjan S, Corbett R, Cairncross JG, Marra M. Next generation sequencing of oligodendroglioma.

331. ISEH 2011 Annual Meeting. Vancouver, BC. Aug 2011. Berg T, Yap D, Wee T, Schoeler N, Thoene S, Umlandt P, Chang H, Yue L, Cheng G, Morin RD, Hirst M, Marra MA, Morin GB, Gascoyne RD, Aparicio SA and Humphries RK. A transgenic mouse model demonstrating the oncogenic role of mutations in the polycomb-group gene EZH2 in lymphomagenesis. ***(Exp Hematol. 2011 Aug;39(8) Suppl 1:S33)***

332. ISEH 2011 Annual Meeting. Vancouver, BC. Aug 2011. Heuser M, Yung E, Yun H, Berg T, Argiropoulos B, Kuchenbauer F, Hamwi I, Palmgvist L, Lai CK, Leung M, Bilenky M, Thiessen N, Robertson G, Hirst M, Wilson NK, Gottgens B, Marra M, Ganser A, Humphries R. The Potent OncogenesMN1 and MEIS1 Co-Localize at a Large Proportion of their Chromatin Target Sites Suggestive of a Higher Order Leukemogenic Regulatory Complex. ***(Exp Hematol. 2011 Aug;39(8) Suppl 1:S66-S67)***

333. 19th Annual International Conference on Intelligent Systems for Molecular Biology and 10th European Conference on Computational Biology, Vienna, Austria. Jul 2011. Krzywinski M, I Birol, S Jones, M Marra. Hive Panels – Understanding Network Structure with Rational Visualization.

334. 19th Annual International Conference on Intelligent Systems for Molecular Biology and 10th European Conference on Computational Biology, Vienna, Austria. July 2011. B irol I, Robertson G, Chu A, Westervelt P, Wilson RK, Ley TJ, Marra MA, Jones SJM. Establishing correlation networks between gene and miRNA expression.

335. 11th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 2011. Steidl C, Shah SP, Woolcock BW, Rui L, Kawahara M, Farinha P, Telenius A, Ben Neriah S, Connors JM, Siebert R, Savage KJ, Jaffe ES, Staudt LM, Steidl U, Marra MA, Gascoyne RD. Discovery of CIITA Gene Fusions in B Cell Lymphomas by Next Generation Sequencing. ***(Ann Oncol. 2011 Jun;22 Suppl 4:148)***

336. 11th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 2011. Gascoyne RD, Morin R, Mendez-Lago M, Mungall A, Johnson N, Scott D, Moore R, Connors J, Hirst M, Goya R, Rimsza L, Jones S, Horsman D, Mungall K, Marra MA. Next Generation Sequencing Reveals Genes Involved in Histone Modification are Frequently Mutated in Non-Hodgkin Lymphoma. ***(Ann Oncol. 2011 Jun;22 Suppl 4:101)***

337. 11th International Conference on Malignant Lymphoma. Lugano, Switzerland. June 2011. Schuetz J, Johnson N, Morin R, Marra M, Connors J, Brooks-Wilson A, Gascoyne R. BCL2 Mutations in Diffuse Large B-Cell Lymphoma. ***(Ann Oncol. 2011 Jun;22 Suppl 4:207)***

338. 87th Annual Meeting of the American Association of Neuropathologists. Seattle, WA. June 2011. Yip S, Butterfield Y, Morozova O, Blough M, Chan J, Maslova A, Chittaranjan S, Cairncross JG, Marra MA. Next Generation Sequencing of Oligodendroglioma - A Work in Progress. (***J Neuropathol Exp Neurol.*** 2011 Jun;70(6):505)

339. Garrod Symposium 2011. Calgary, AB. June 2011. KA Schrader, PJ Waters, A Heravi-Moussavi, M Marra, J Green, D Huntsman. A typical mucolipidosis III, diagnosed via whole-exome sequencing with biochemical confirmation. **(Platform presentation)**

340. Western Regional Islet Study Group 2011. Lake Arrowhead, CA. Apr 2011. Hoffman BG, Robertson G, Zhang X, Tennant B, Li L, Beach M, Whiting C, Marra MA, Gottardo R, Jones SJM, Hoodless PA. Identification of pancreatic islet specific enhancers.

341. 102nd American Association of Cancer Research Annual Meeting. Orlando, FL. Apr 2011. Morozova O, Birol I, Corbett R, Mungall K, Attiyeh EF, Asgharzadeh S, Zhao YJ, Moore RA, Hirst M, Jones S, Hogarty MD, Diskin S, Mosse YP, Diamond M, Sposto R, Ji L, Gerhard DS, Smith MA, Khan J, Seeger RC, Marra MA, Maris JM. Whole genome and transcriptome sequencing defines the spectrum of somatic changes in high-risk neuroblastoma.

342. 15th Annual International Conference on Research in Computational Molecular Biology. Vancouver, BC. Mar 2011. Butterfield B, Morozova O, Maslova A, Blough M, Chittaranjan S, Chan J, Thiessen N, Varhol N, Zhao YJ, Hirst M, Corbett R, Yip S, Cairncross G, Marra M. Integrative genomic and transcriptome analysis of oligodendroglioma using next generation sequencing technology.

343. 15th Annual International Conference on Research in Computational Molecular Biology. Vancouver, BC. Mar 2011. Swanson L, Birol I, Sahinalp SC, Robertson G, Mungall K, Chiu R, Jackman S, Qian J, Lee S, Yorukoglu D, She R, Zhao YJ, Moore R, Marra M, Jones SJM, Karsan A, Hoodless H. Detecting Chimeric Transcripts in RNA-seq Data.

344. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Morin RD, Mendez-Lago M, Mungall AJ, Goya R1, Johnson NA, Severson TM, Mungall KL, Chiu R, Field M, Jackman S, Krzywinski M, Scott D, Trinh DL, Griffith M, Corbett R, Chan S, Zhao E, Smailus D, Moksa M, Rimsza L, Brooks-Wilson A, Meissner B, Woolcock B, Boyle M, McDonald H Tam A, Zhao YJ, Delaney A, Zeng T, Tse K, Butterfield Y, Birol I, Holt R, Schein J, Horsman DE, Moore R, Jones SJM, Connors JM, Hirst M, Gascoyne RD, Marra MA. Genome, Exome and Transcriptome sequencing reveals genes involved in histone modification and B-cell-receptor signalling are frequently mutated in non-Hodgkin lymphoma.

345. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Morrissy AS, Marra MA. Prognostic Value of Antisense-Correlated Splicing Events to Glioblastoma Multiforme.

346. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Goya R, Griffith M, Shah SP, Aparicio SA, Meyer IM, Marra MA. Exploring Alternative Splicing with RNA-Seq in Triple Negative Breast Cancers.

347. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Mungall AJ, Chu A, Chun HJE, Pleasance ED, Robertson G, Butterfield Y, Chiu R, Chuah E, Coope R, Dhalla N, Guin R, Hirst C, Lee D, Li I, Ma K Mayo M, Moksa M, Mungall K, Munro S, Prabhu A, Qian J, She R, Slobodan J, Smailus DE, Stoll D, Tam A, Thiessen N, Varhol R, Wong T, Zeng T, Birol I, Moore RA, Schein JE, Stazyk G, Zhao YJ, Hirst M, Jones SJM, Marra MA and the TCGA Research

Network. Analyses of Approximately Two Hundred Acute Myeloid Leukemia Tumour Messenger and MicroRNA transcriptomes.

348. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Hirst M, Zhao YJ[1], Nielsen C, Tam A, Kamoh B, Ally A, Delaney A, Cheung D, Varhol R, Sigaroudinia M, Gascard P[2], Tlsty T, Choi Y[2], McManus M, Nagarajan R, Hong C, Echipare L, O'Geen H, Farnham P, Richards H, Wang T, Haussler D, Weiss A, Moore R, Jones SJM, Costello J, Marra MA. Reference Human Epigenomes.

349. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Coope R, Slobodan J, Smailus D, Jackman S, Hirst M, Marra M. Automated Size Selection and the Role of Separation Media in Insert Size Bias.

350. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Jones SJM, Birol I, Morozova O, Mungall K, Li S, Corbett R, Krzywinski M, Swanson L, Chiu R, Jackman SD, She R, Qian JQ, Attiyeh EF, Asgharzadeh A[4], Bilenky M, Kasaian K, Yorukoglu D, Thiessen N, Butterfield Y, Kamoh B, Ally A, Tam A, Hirst M, Zhao YJ, Robertson G, Varhol R, Moore R, Hogarty MD, Diskin S, Mosse YP, Diamond M, Sposto R, Ji L, Gerhard DS, Smith MA, Khan J, Seeger RC, Maris JM, Marra MA, the NCI TARGET Initiative. Integrative analysis of genome and transcriptome sequencing data from 10 neuroblastoma patients identifies nine transcript rearrangements.

351. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Butterfield YS, Morozova O, Maslova A, Blough MD[2], Chittaranjan S, Chan J, Thiessen N, Varhol R, Zhao YJ[1], Corbett R, Hirst M, Cairncross JG, Yip S, Marra MA. Integrative genomic and transcriptome analysis of oligodendroglioma using next generation sequencing technology.

352. 12th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2011. Fejes AP, An J, Li Y, Leach S, Zhao YJ, Varhol R, Qian J, Jackman S, Chiu R, Mungall K, Robertson G, She W, Hirst M, Birol I, Marra MA, Brooks-Wilson A, Jones SJM. Comparative Analysis of 4 Matched Normal Ductal Carcinoma in Situ Breast Cancer Cell-lines with 1600 NGS sequenced Libraries.

353. American Society of Hematology Annual Meeting. Orlando, FL, Dec 2010. Mungall AJ, Chu A, Chiu R, Corbett R, Field MA, Jackman SD, Mungall KL, Wong K, Boyle M, Carlsen R, Chan SY, Coope RJN, Hirst CA, Hirst M, Johnson N, Krzywinski M, Lee D, Lin JBX, Moore R, Severson T, Simpson JT, Steidl C, Zeng T, Zhao YJ, Birol I, Holt RA, Jones SJ, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Base-Pair Resolution of Somatic and Germline-Derived Genome Rearrangement Breakpoints in Follicular Lymphoma.

354. American Society of Hematology Annual Meeting. Orlando, FL, Dec 2010. Mendez-Lago M, Morin RD, Mungall AJ, Chan S, Chittaranjan S, Severson TM, Goya R, Mungall K, Johnson NA, Boyle M, Woolcock B, Zeng T, McDonald H, An J, Yakovenko O, Tam A, Zhao YJ, Hirst M, Moore R, Schein JE, Jones SJ, Horsman DE, Gascoyne RD, Connors JM, Marra MA. Mutations in MLL2 and MEF2B Genes in Follicular Lymphoma and Diffuse Large B-Cell Lymphoma.

355. American Society of Hematology Annual Meeting. Orlando, FL, Dec 2010. Morin RD, Mendez-Lago M, Mungall AJ, Johnson NA, Goya R, Severson TM, Mungall K, An J, Yakovenko O, Jackman S, Krzywinski M, Griffith M, Chan S, Tam A, Smailus D, McDonald H, Moksa M, Woolcock B, Boyle M, Zeng T, Zhao YJ, Holt RA, Moore R, Schein JE, Birol I, Horsman DE, Jones SJ, Hirst M, Connors JM, Gascoyne RD, Marra MA. Identification of Genes Frequently Mutated in FL and DLBCL with Transcriptome, Genome and Exome Sequencing.

356. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Mendez-Lago M, Morin RD, Mungall AJ, Chan S, Chittaranjan S, Severson TM, Goya R, Mungall K, Johnson NA, Boyle M, Woolcock B, Zeng T, McDonald H, An J, Yakovenko O, Tam A, Zhao YJ, Hirst M, Moore R, Schein JE, Jones SJ, Horsman DE, Gascoyne RD, Connors JM, Marra MA. Mutations in MLL2 and MEF2B Genes in Follicular Lymphoma and Diffuse Large B-Cell Lymphoma.

357. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Morrissy S, Marra MA. Prognostic Value of Antisense-Correlated Splicing Events to Glioblastoma Multiforme.

358. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Mungall AJ, Morin RD, An J, Yakovenko O, Boyle M, Johnson NA, Woolcock B, Leach S, Mayo M, Mendez-Lago M, Munro S, Zeng T, Zhao YJ, Hirst M, Holt RA, Moore RA, Schein JE, Gascoyne RD, Horsman DE, Connors JM, Jones SJ, Marra MA. Recurrent DNA Mutations In Non-Hodgkin Lymphomas Reveal Candidate Therapeutic Targets.

359. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2010. Morozova O, Hansford L, Mungall K, Attiyeh E, Corbett R, Thiessen N, Varhol R, Zhao YJ, Chiu R, Maslova A, Birol I, Jones S, Hirst M, Maris JM, Kaplan DR, Marra MA. Comparative Analysis of Primary Tumors and Metastases-Derived Tumor-Initiating Cells Provides Insights into Neuroblastoma Progression.

360. The American Society of Human Genetics Annual Meeting. Washington, DC. Nov 2010. du Souich C, Nowaczyk MJM, König A, Raymond FL, McLarren KW, Larstone R, Livesley J, Friedlander R, Marra MA, Boerkoel CF. Linking cholesterol biosynthesis and human behavior.

361. The American Society of Human Genetics Annual Meeting. Washington, DC. Nov 2010. Rupps R, van Karnebeek CD, Fejes A, Morimoto M, Shuen C, Markello T, Delaney A, Jones S, Marra M, Boerkoel CF. Progressive Systemic And Stenotic Vasculopathy: Candidate Genes Identified by Comparative Whole Exome Sequencing.

362. ImmunoVancouver 2010 Meeting. Vancouver, BC. June 2010. Nielsen JS, Macpherson N, Wick DA, Gascoyne RD, Connors JM, Marra MA, Webb JR, Nelson BH. Development of a platform to rapidly translate genomic discoveries into therapeutic cancer vaccines.

363. European Human Genetics Conference. Gothenburg, Sweden. June 2010. du Souich C, McClarren K, Larstone R, Friedlander R, Livesley J, Severson TM, Stockton DW, Raymond FL, Marra MA, Boerkoel CF. Linking cholesterol metabolism and human behavior.

364. Advances in Neuroblastoma Research. Stockholm, Sweden. June 2010. Vojvodic M, Morozova O, Blakely KM, Grinshtein N, Hansford LM, Smith KM, Tong J, Taylor P, Irwin M, Moffatt J, Moran MF, Marra MA, Kaplan DR. Identification of signaling pathways and drug candidates using primary neuroblastoma cancer stem cells by phosphoproteomics and transcriptome sequencing.

365. 15th Congress of European Hematology Association. Barcelona, Spain. June 2010. Kuchenbauer F, Petriv OI, Delaney A, Lecault V, White A, Kent D, Marmolejo L, Heuser M, Berg T, Copley M, Ruschmann J, Sekulovic S, Antignano F, Kuroda E, Ho V, Benz C, Halim T, Giambra V, Krystal G, Eaves CJ, Takei F, Weng AP, Piret J, Marra MA, Humphries RK, Hansen CL. Profiling of microRNA Expression in Purified Hematopoietic Populations and in Single Cells.

366. 15th Congress of European Hematology Association. Barcelona, Spain. June 2010. Heuser M, Yun H, Argiropoulos B, Yung E, Kuchenbauer F, Park G, Lai C, Leung M, Lin G, Hamwi I, Thiessen N, Robertson G, Hirst M, Marra M, Ganser A, Humphries R. MEIS1 Controls Susceptibility to MN1-Induced Leukemic Transformation.

367. HUGO's 13th Human Genome Meeting, Montpellier, France. May 2010. Rose AM, O'Neil NJ, Bilenky M, Butterfield YS, Malhis N, Flibotte S, Jones MR, Marra M, Baillie DL, Jones SJ. Accumulated Changes in a Genome of a Strain with a Highly Modified Reciprocal Exchange Distribution. **(Oral presentation)**

368. Canadian Society of Immunology Annual Meeting. Niagara Falls, ON. Apr 2010. Nielsen JS, Connors JM, Gascoyne RD, Webb JR, Marra MA, MacPherson N, Nelson BH. Development of a platform to rapidly translate genomic discoveries into therapeutic cancer vaccines.

369. 9th Annual UT-ORNL-KBRIN Bioinformatics Summit. Cadiz, KY. Mar 2010. Jones SJM*, Laskin J, Li YY, Griffith OL, An J, Bilenky M, Butterfield YS, Cezard T, Chuah E, Corbett R, Fejes A, Griffith M, Yee J, Martin M, Mayo M, Melnyk N, Morin RD, Pugh TJ, Severson T, Shah SP, Sutcliffe M, Tam A, Terry J, Thiessen N, Thomson T, Varhol R, Zeng T, Zhao YJ, Moore RA, Huntsman DG, Birol I, Hirst M, Holt RA, Marra MA. Genomic analysis of a rare human tumor. ***(BMC Bioinformatics. 2010 Jul 23;11 Suppl 4:03)***

370. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Mungall AJ, Chu A, Chiu R, Corbett R, Field MA, Jackman SD, Mungall KL, Wong K, Boyle M, Carlsen R, Chan SY, Coope RJN, Hirst CA, Johnson N, Krzywinski MI, Lee D, Lin JB, Mayo M, Munro S, Severson T, Simpson JT, Steidl C, Zeng T, Zhao Y, Birol I, Hirst M, Holt RA, Jones SJ, Moore R, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Base-Pair Resolution of Somatic and Germline-Derived Genome Rearrangement Breakpoints in Follicular Lymphoma. **(Oral presentation)**

371. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Birol I, Robertson G, Schein JE, Jackman S, Chiu R, Field M, Qian J, Raymond A, Mungall K, Nielsen C, Butterfield Y, Cézard T, Newsome R, Thiessen N, Griffith M, Varhol R, Zhao YJ, Hirst M, Moore R, Marra MA, Pamela A Hoodless, Steven JM Jones. High-Throughput Analysis of Transcriptome Assemblies. **(Oral presentation)**

372. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Morin RD, Johnson NA, Severson TM, Mungall AJ, An J, Paul JE, Boyle M, Woolcock BW, Kuchenbauer F, Goya G, Yap D, Humphries RK, Griffith OL, Shah S, Zhu H, Kimbara M, Shashkin P, Charlot JF, Tcherpakov M, Corbett R, Tam A, Varhol R, Smailus D, Moksa M, Zhao YJ, Delaney A, Qian H, Birol I, Schein J, Moore R, Holt R, Horsman DE, Connors JM, Jones S, Aparicio S, Hirst M, Gascoyne RD, Marra MA. Identifying recurrent somatic mutations in Follicular and Diffuse Large B-cell Lymphomas using second-generation sequencing.

373. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Zhao YJ, Zeng T, Varhol R, Li I, Mayo M, Tam A, Chuah E, Wong T, Miller D, Smailus D, Stazyk G, Delaney A, Moore R, Birol I, Roscoe R, Holt R, Jones S, Hirst M, Marra MA. Production scale next generation sequencing.

374. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Goya R, Morin R, Wong T, Zhao YJ, Hirst M, Pilarski LM, Belch A, Reiman T, Marra MA. Detection of Changes in Tumor Heterogeneity Using Next-Generation Sequencing of Transcriptomes.

375. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Morrissy AS, Marra MA. The role of antisense transcription in the regulation of alternative splicing.

376. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Morozova O, Hansford L, Smith L, Maslova S, Cezard T, Morin R, Thiessen N, Varhol R, Zhao YJ, Jones S, Hirst M, Kaplan D, Marra M. Using sequence census data from cancer tissue compendia to discover novel drug targets for refractory neuroblastoma.

377. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Butterfield YS, Jones SJM, Laskin J, Li Y, Griffith O, An J, Bilenky M, Cezard T, Chuah E, Corbett R, Fejes A, Griffith M, Yee J, Martin M, Mayo M, Melnyk N, Morin RD, Pugh TJ, Severson T, Shah SP, Sutcliffe M, Tam A, Terry J, Thiessen N, Thomson T, Varhol R, Zeng T, Zhao Y, Moore R, Huntsman DG, Birol I, Hirst M, Holt RA, Marra MA. Evolution of an adenocarcinoma in response to selection by targeted kinase inhibitors.

378. 11th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2010. Fejes AP, Leach S, Zhao YJ, Varhol R, Hirst M, Marra MA, Brooks-Wilson A, Jones SJM. RNA-Seq Determination of Non-Synonymous Coding Mutations in 5 Breast Cancer Cell Lines and a Matched Cancer/Normal Set.

379. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Mungall AJ, Chu A, Chiu R, Corbett R, Field MA, Jackman SD, Mungall KL, Wong K, Boyle M, Carlsen R, Chan SY, Coope RJN, Hirst CA, Hirst M, Johnson N, Krzywinski M, Lee D, Lin JB, Moore R, Severson T, Simpson JD, Steidl C, Zeng T, Zhao YJ, Birol I, Holt RA, Jones SJ, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Base-Pair Resolution of Somatic and Germline-Derived Genome Rearrangement Breakpoints in Follicular Lymphoma. **(Oral presentation)**

380. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Mullighan CG, Morin RD, Zhang J, Hirst M, Zhao YJ, Yan C, Finney R, Edmonson M, Su X, Buetow K, Carroll WL, Chen I-M, Devidas M, Gerhard DS, Harvey RC, Hu J, Loh ML, Reaman GH, Relling MV, Smith M, Downing JR, Hunger SP, Willman CL, Marra M. Next generation transcriptomic resequencing identifies novel genetic alterations in high-risk (HR) childhood acute lymphoblastic leukemia (ALL): A Report from the Children's Oncology Group (COG) HR ALL TARGET Project.

381. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Reiman T, Morin R, Goya R, Wong T, Zhao YJ, Hirst M, Pilarski LM, Belch A, Marra M. Comparative Whole Transcriptome Shotgun Sequencing (WTSS) of Myeloma at Diagnosis and at Drug-Resistant Relapse. **(Oral presentation)**

382. 51st American Society of Hematology Annual Meeting and Exposition. New Orleans, LA. Dec 2009. Cheung KJ, Johnson N, Affleck J, Severson T, Steidl C, Ben-Neriah S, Schein J, Morin DR, Moore R, Shah SP, Qian H, Paul J, Tlenius A, Lai B, Relander T, Lam WL, Savage KJ, Connors JM, Brown C, Marra M, Gascoyne RD, Horsman DE. TNFRSF14 is mutated in a subset of follicular lymphoma and correlated with inferior prognosis.

383. Joint Meeting of the Society for Neuro-Oncology/American Association of Neurological Surgeons/Congress of Neurological Surgeons. New Orleans, LA. Oct 2009. Nagarajan RP, Wang T, Johnson BE, Hong CB, Fouse S, Haussler D, Hirst M, Marra MA. Costello J. Deep sequencing of the DNA methylome of glioblastoma.

384. Human Proteome Organization Annual World Meeting, Toronto, ON. Sep 2009. Vojvodic M, Tong J, Morozova O, Smith KM, Hansford LM, Taylor P, Marra M, Moran MF, Kaplan DR. Phospho-Proteomic Analysis of Neuroblastoma Cancer Stem Cells Identifies B-Cell Receptor Signaling and SRC Family for Drug Targeting. **(Oral presentation)**

385. 38th Annual Scientific Meeting of the International Society for Hematology and Stem Cells. Athens, Greece. Sep 2009. Humphries K, Kuchenbauer F, Mah S, McPherson A, Berg T, Lai D, Murani AL, Hogge D, Starczynowski D, Karsan A, O'Connor M, Eaves C, Watahiki A, Wang Y, Aparicio S, Ganser A, Krauter J, Johnnidis J, Marra M, Carmargo F. Differential expression of miRNAs in cancer and a possible role in acute myeloid leukemia.

386. 38th Annual Scientific Meeting of the International Society for Hematology and Stem Cells. Athens, Greece. Sep 2009. Heuser M, Argiropoulos B, Yung E, Kuchenbauer F, Park G, Lai C, Chan S, Thiessen N, Robertson G, Hirst M, Marra M, Ganser A, Humphries AK. Transcriptional program defining cellular susceptibility to MN1-induced transformation.

387. International Society for Stem Cell Research (ISSCR) 7th Annual Meeting. Barcelona, Spain. July 2009. O'Connor MD, Yap D, Fee J, Zhao YJ, McDonald H, Zeng T, Hirst M, Marra MA, Aparicio S, Eaves CJ. High-throughput siRNA screening of human embryonal carcinoma cells reveals novel genes required for maintenance of human embryonic and induced pluripotent stem cells.

388. 42nd Annual Meeting of the Society for the Study of Reproduction. Pittsburgh, PA. July 2009. Ahn HW, Zhao H, Harris RA, Coarfa C, Milosavljevic A, Morin RD, Marra MA, Rajkovic A. Massive Parallel Sequencing of Small RNAs from Newborn Mouse Ovaries Identifies Novel miRNAs Preferentially Expressed in the Ovaries. **(Poster presentation)**

389. MicroRNA and Cancer Keystone Symposium. Keystone, CO. June 2009. Kuchenbauer F, Mah SM, Heuser M, Argiropoulos B, McPherson A, Morin RD, Rosten P, Berg T, Lai D, Starczynowski D, Karsan A, O'Connor MD, Eaves CJ, Aparicio SA, Ganser A, Krauter J, Johnnidis JB, Marra MA, Carmargo FD, Humphries RK. Emerging evidence of differential expression of miRNA*s and its contribution to the development of acute myeloid leukemia.

390. ASCO Annual Meeting. Orlando, FL. May-June 2009. Laskin JJ, Pugh TJ, Jackson C, Sutcliffe M, Ionescu D; Melosky B, Ho C, Sun S, Murray NR; Marra MA. Transcriptome-wide mutation discovery in patients in a phase II clinical trial of first-line erlotinib for clinically selected patients with advanced non-small cell lung cancer.

391. Canadian Human Genetics Conference. Harrison Hot Spring, BC. May 2009. Yang SW, Hitz M-P, Provost S, Chetaille P, Thibeault M, Bureau N, Riopel K, Bigras J-L, Richter A, Severson T, Marra M, Dubé M-P, Andelfinger G. Septal defects and left ventricular outflow tract obstruction: a novel syndrome mapping to Xq28.

392. Genome BC Genomics Forum and Research Exchange. Vancouver, BC. Apr 2009. Zeng T, Deng M, Ma K, Mah DG, McDonald H, Moksa M, Pandoh P, Tse K, Zhao YJ, Hirst M, Marra MA, Technology Development For Next-Generation Sequencing Platforms.

393. Genome BC Genomics Forum and Research Exchange. Vancouver, BC. Apr 2009.McDonald H, Pandoh P, Zeng T, Tse K, Hirst M, Marra MA. Massively Parallel Yeast Two Hybrid.

394. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Birol I, Jackman S, Wong K, Chan S, DiGuistini S, Simpson J, Woodsworth D, Liao N, Krzywinski M, Schein J, Marra MA, Jones SJM. Second Generation *de Novo* Assembly and Finishing.

395. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Hoodless PA, Wederell E, Bilenky M, Robertson G, Cullum R[1], Lee S, Hoffman B, Thiessen N, Tam A, Varhol R, Zhao YJ, Hirst M, Marra MA, Jones SJM. Deciphering Transcriptional Networks *in vivo* in the Mammalian Liver.

396. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL Feb 2009. Griffith OL, Li Y, Leach S, Mungall AJ, Griffith M, Fejes A, Lee H, Stratford A, Marra MA. Dunn SE, Brooks-Wilson A, Jones SJM. Identification of Novel Iressa Synergists by Illumina Sequencing and Drug Screening in Breast Cancer.

397. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Mungall AJ, Boyle M, Carlsen R, Chan SY, Corbett R, Chiu R, Chu A, Field M, Hirst C, Hirst M, Jackman S, Johnson N, Krzywinski MI, Lee D., Mungall K, Simpson J, Steidl C, Severson T, Wong K, Zeng T, Zhao Y, Birol I, Gascoyne RD, Horsman DE, Connors JM, Schein JE, Marra MA. Massively Parallel Sequencing of Genome Rearrangements in Follicular Lymphoma Patients Reveals Novel Somatic Mutations.

398. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Morozova O, Morin RD, Hansford L, Hirst M, McDonald H, Zhao Y, Kaplan DR, Marra MA. Defining the identity of neuroblastoma tumor initiating cells via massively parallel transcriptome sequencing.

399. 10th Annual Advances in Genome Biology and Technology Meeting. Marco Island, FL. Feb 2009. Pugh TJ, Laskin JJ, Asano J, Barclay L, Chan S, Morin RD, Sutcliffe M, Yang C, Ho C, Ionescu D, Jackson C, Lam S, Lee C, McWilliams A, Melosky B, Murray NR, Sun S, Marra MA. Transcriptome-wide mutation detection in pre-treatment lung cancers from individuals likely to benefit from erlotinib treatment.

400. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Kuchenbauer F, Petriv OI, Delaney A, Kent D, Heuser M, Mah SM, Copley M, Ruschmann J, Antignano F, Kuroda E, Ho V, Benz C, Halim T, Giambra V, Krystal G, Eaves CJ, Takei F, Weng AP, Marra MA,

Hansen CL, Humphries RK. Comprehensive profiling of microRNAs in murine hematopoietic stem cells and lineages using a microfluidics approach. ***(Blood. 2008 Nov 16;112(11):857)***

401. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Kent DG, Copley MR, Benz C, Wöhrer S, Dykstra BJ, Ma E, Cheyne J, Zhao Y, Bowie M, Zhao Y, Gasparetto M, Delaney A, Smith C, Marra M, Eaves CJ. New Candidate Regulators of Hematopoietic Stem Cells with High Self-renewal Activity. ***(Blood. 2008 Nov 16;112(11): 854-855)***

402. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Zhao Y, Delaney A, Raouf A, Raghuram K, Li HYI, Schnerch A, Jiang XY, Eaves AC, Marra MA. Differentially Expressed and Novel Transcripts in Highly Purified Chronic Phase CML Stem Cells. ***(Blood. 2008 Nov 16;112(11): 79)***

403. 50th American Society of Hematology Annual Meeting & Exposition. San Francisco, CA. Dec 2008. Starczynowski DT, Kuchenbauer F, Argiropoulos B, Sung S, Morin R, Muranyi AL, Hirst M, Hogge DE, Marra M, Wells RA, Lam W, Humphries RK, Karsan A. Identification of Mir-145 and Mir-146a as microRNAs involved in the pathogenesis of 5q-syndrome. ***(Blood. 2008 Nov 16;112(11): 316)***

404. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Griffith M, Pugh TJ, Tang MJ, Morin RD, Asano JK, Ally A, Chan SY, Taylor G, Morin GB, Tai IT, Marra MA. Genomic analysis of uridine monophosphate synthetase reveals novel mRNA isoforms associated with fluorouracil resistance in colorectal cancer.

405. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Morozova O, Morozov V, Hirst M, Marra MA. Defining expression signatures of known cancer genes using seriation analysis of SAGE libraries from Cancer Genome Anatomy Project (CGAP).

406. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Mungall, AJ, Boyle M, Carlsen R, Chan SY, Corbett R, Chiu, R, Chu A, Field M, Hirst C, Johnson N, Krzywinski MI, Lee D, Mungall K, Simpson J, Steidl C, Severson T, Wong K, Zeng T, Birol I, Hirst M, Schein JE, Gascoyne RD, Horsman DE, Connors JM, Marra MA. Sequence Validation Of Candidate Genome Rearrangements in Follicular Lymphoma Patients Reveals Novel Gene Fusion Events.

407. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Paul J, Severson T, Cheung JK, Schein J, Horsman D, Marra M. Detailed Characterization Of The Lymphoma 1p36 Deletion.

408. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Morrissy S, Morin R, Delaney A, Zeng T, McDonald H, Hirst M, Jones S, Marra M. Exploring The Transcriptome Of Cancer And Normal Tissues Using A Novel Tag Sequencing Approach.

409. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. McPherson A. Morin R, Wu D, Aparicio S, Marra M. An investigation into microRNA profiles and microRNA editing in breast cancer cells using next generation sequencing.

410. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2008. Farnoud N, Delaney A, Li I, Schein J, Marra M. Characterization of DNA Copy Number Variations in Lymphoma Genomes.

411. Genome Informatics. Hinxton, UK. Sep 2008. Krzywinski M, Schein J, Birol I, Jones S, Marra M. Circos: an Information Aesthetic for Comparative Genomics.

412. 10th International Conference on Malignant Lymphoma (ICML). Lugano, Switzerland. June 2008. Schein J, Krzywinski M, Hirst C, Chiu R, Chu A, Corbett R, Field M, Simpson J, Wong K, Carlsen R, Lee D, Boyle M, Chan S, Cheung KJ, Coope R, Delaney A, Flibotte S, Li I, Moore R, Severson T, Steidl C, Qian H, Wye N, Johnson N, Birol I, Jones S, Gascoyne R, Horsman D, Connors J, Marra A. Structural Rearrangement Discovery in Follicular Lymphoma Genomes. ***(Annals of Oncology. 2008 Jun; 19:178-129 Suppl 4)***

413. 10th International Conference on Malignant Lymphoma (ICML). Lugano, Switzerland. June 2008. Cheung KJ, Shah S, Steidl C, Johnson N, Relander T, Telenius A, Lai B, Qian H, Murphy K, Lam W, Marra M, Connors JM, Ng R, Gascoyne RD, Horsman D. Genome-wide profiling of follicular lymphoma by array comparative genomic hybridization reveals prognostically significant DNA copy number imbalances. ***(Annals of Oncology. 2008 Jun; 19:94 Suppl 4)***

414. 44th ASCO Annual Meeting. Chicago, Il. May-June 2008. Laskin JJ, Pugh T, Jackson C, Barclay L, Sutcliffe M, Ionescu D, Lam S, McWilliams A; Melosky B Ho C, Murray NR; Marra M. Genomic sequencing in a phase II clinical trial of first-line therapy of erlotinib for clinically selected patients with advanced non-small cell lung cancer.

415. Digestive Disease Week. San Diego, CA, USA. May 2008. Griffith M, Tang MJ, Chan S, Asano J, Ally A, Pugh T, Tai IT and Marra MA. Identification of differentially expressed alternative mRNA isoforms associated with chemotherapy resistance in colon cancer cell lines. ***(Gastroenterology. 2008 Apr;134(4):A444-A444(1))***

416. 99th Annual Meeting of the American Association for Cancer Research. San Diego, CA. Apr 2008. Romanuik TL, Delaney MD, Marra MA, Sadar MD. Gene expression signatures associated with progression of prostate cancer to androgen-independence. (***Proceedings of the AACResearch Annual Meeting. 2008 Apr; 49: 400)***

417. Canadian Breast Cancer Research Alliance Conference. Vancouver, BC. Apr 2008. Eaves C, Eirew P, Raouf A, Stingl J, Turashvili G, Delaney A, Emerman J, Marra M, Aparicio S. Stem Cells in the Mammary Gland.

418. Genomic Disorders Conference. Hinxton, Cambridgeshire, UK, Mar 2008. Zahir FR, Adam S, Armstrong L, Delaney AD, Eydoux P, Marra MA, Van-Allen M, Friedman JM. Assessing pathogenicity of *de novo* CNVs in children with idiopathic mental retardation.

419. The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Delaney A, Li I, Zhao Y, McDonald H, Zeng T, Hirst M, Hoodless PJ, Marra MA. An Illumina sequencing approach for tag-based transcriptome analysis. **(Platform presentation)**

420. The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Hirst M, Delaney A, Zhao Y, Zeng t, Varhol R, Ingham M, Tam A, Prabhu A-L, Dhalla N, Pandoh P, Kamoh B, Kirk H, Ma K, Moksa M, Mah D, Lee S, Deng M, Li I, Charters A, Wong T, Robertson G, Bilenky M, Guin R, Jones S, Marra MA. A production scale next generation sequencing platform. **(Platform presentation)**

421. The 9th Annual AGBT Conference. Marco Island, FL. Feb 2008. Birol I, Simpson J, Wong K, Schein J, Marra M, Jones S. .De Novo Assembly of Short Sequence Reads. **(Platform presentation)**

422. Pacific Symposium of Biocomputing. Kohala Coast, HI, USA. Jan 2008. Griffith M, Tang M, Griffith O, Morin R, Chan S, Asano J, Zeng T, Flibotte S, Ally A, Baross A, Hirst M, Jones S, Morin G, Tai I and Marra MA. ALEXA – A microarray design platform for alternative expression analysis.

423. UBC Genetics and Bioinformatics Graduate Retreat. Vancouver, BC. Dec 2007. Morozova O, Morozov Y, Chikatamarla A, Bilenky M, Robertson G, Marra M. From pottery styles to mouse development: a method for delineating mammalian transcriptional regulatory networks. **(Best Poster Award - Bioinformatics category)**

424. UBC Genetics and Bioinformatics Graduate Retreat. Vancouver, BC. Dec 2007. Hou YC, Chittaranjan S, Marra MA, Gorski SM. Common regulators of apoptosis and autophagy-an analysis of known cell death genes in starvation-induced autophagy**. (Best Poster Award – Genetics category)**

425. 49th American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Zhao YJ, Delaney A, Marra MA, Jiang XY, Eaves AC, Eaves CJ. Comparative transcriptome analysis of different

subsets of CD34(+) normal and chronic myeloid leukemia cells identifies novel perturbations in the CML stem cell population. (***Blood. 2007 Nov 110(11):19a-19A Part 1)***

426. 49TH American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Kuchenbauer F, Morin R, Staaf J, Borg A, Argiropoulos B, Delaney A, Zeng T, McDonald H, Hirst M, Rovira C, Marra M, Humphries RK. Accurate Detection of the microRNA Transcriptome in a Leukemia Progression Model. (***Blood. 2007 Nov 16;110(11):265A Part 1)***

427. 49TH American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Cheung K-J, Telenius A, Lai B, Johnson N, Relander T, Steidl C, Baross A, Qian H, Schein J, Marra M, Connors JM, Gascoyne RD, Horsman DE. High Frequency of 1p36.32 Deletion or Loss of Heterozygosity in Follicular Lymphoma (FL). (***Blood***. ***2007 Nov 110(11):61A Part 1)***

428. 49TH American Society of Hematology Annual Meeting and Exposition. Atlanta, GA. Dec 2007. Kent D, Zhao Y, Bowie M, Dykstra B, Cheyne J, Zhao YJ, Delaney A, Hirst M, Marra M, Eaves CJ. Differences in the Transcriptomes of Highly Purified Fetal Liver and Adult Bone Marrow Hematopoietic Stem Cells Revealed by Long Serial Analysis of Gene Expression (LongSAGE). (***Blood***. ***2007 Nov 110(11):384A Part 1)***

429. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Bosdet I, Marra M, Gorski S. Programmed cell death in the drosophila retina – characterizing the echinus locus.

430. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Petrescu A, Delaney A, Marra M. Tag Sequencing Approaches for the Detection of Cis-Encoded Antisense Transcription.

431. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Farnoud N, Chan S, Flibotte S, Delaney A, Friedman JM, Marra M. DLOH: A novel bioinformatics tool for detection of CN deletions using LOH data.

432. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Griffith M, Tang MJ, Griffith OL, Chan SY, Asano JK, Zeng T, Flibotte S, Ally A, Baross A, Morin RD, Hirst M, Jones SJM, Morin GB, Tai IT, Marra MA. ALEXA –a microarray design platform for alternative expression analysis.

433. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Pugh TJ, Keyes M, Moore RA, Barclay L, Thomas D, Yang C, Pickles T, Mckenzie M, Morris JW, Agranovich A, Marra MA. Discovery of variants in DNA repair genes associated with late side-effects in prostate brachytherapy patients.

434. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Pugh TJ, Delaney AD, Farnoud N, Flibotte S, Griffith M, Li I, Farinha P, Gascoyne RD, Marra MA. Two wrongs make a right: the use of whole genome amplification for pair-wise genome-wide copy number analysis of limited patient material.

435. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2007. Moore RA, Mayo MR, Wagner SA, Pugh TP, Axam HJ, Cruz KL, Matsuo C, Sze WK, Tam B, Thomas, D, Tomescu A, Trinh EK, Wilton JM, Marra MA, Holt RA. High-throughput amplicon sequencing platform at the BCCA, Genome Sciences Centre.

436. UBC Medical Genetics Research Day. Vancouver, BC. Oct 2007. Griffith M, Tang MJ, Griffith OL, Chan SY, Asano JK, Zeng T, Flibotte S, Ally A, Baross A, Morin RD, Hirst M, Jones SJM, Morin GB, Tai IT, Marra MA. ALEXA – A microarray design platform for alternative expression analysis.

437. The American Society of Human Genetics 57th Annual Meeting. San Diego, CA. Oct 2007. Friedman JM, Adam S, Arbour L, Armstrong L. Baross A, Birch P, Boerkoel C, Chan S, Delaney AD, Eydoux P, Flibotte S, Gibson WT, Langlois S, Li H, MacLeod P, McGilliray B, Michaud J, Patel M, Qian H, Rouleau G, Schein J, Van Allen M, Yong S-L, Zahir F, Marra M. Frequent detection of both pathogenic

and apparently benign *de novo* copy number variants by Affymetrix 500K GeneChip® array genomic hybridization in children with idiopathic mental retardation.

438. 36th Annual Meeting of the International Society for Experimental Hematology. Hamburg, Germany. Sep 2007. Kuchenbauer F, Morin R, Delaney A, Zeng T, McDonald H, Hirst M, Marra M, Humphries K. Comprehensive and quantitative detection of microRNAs in a leukemia progression model using a high throughput Solexa™ based sequencing platform. (***Exp Hematol*. *2007 Sep;35(9):77 Suppl.2)***

439. 36th Annual Meeting of the International Society for Experimental Hematology. Hamburg, Germany. Sep 2007. Zhao Y, Delaney A, Marra MA, Eaves AC, Eaves CJ. Comparative transcriptome analysis of normal and chronic myeloid leukemia stem cells.

440. 12th IASLC World Conference on Lung Cancer. Seoul, Korea. Sep 2007. Laskin JJ, Pugh T, Keogh C, Barclay L, Sutcliffe M, Ionescu D, Lam S, Melosky B, Ho C, Murray NR, Lee CW, Marra M. Correlative genetics in a phase II clinical trial of first-line therapy of erlotinib for clinically selected patients with advanced non-small cell lung cancer. **(Poster presentation) (*J Thoracic Oncol. 2007 Aug; 2(8):S442-S443 Suppl.S)***

441. 12th IASLC World Conference on Lung Cancer. Seoul, Korea. Sep 2007. Pugh TJ, Delaney AD, Flibotte S, Farnoud N, Li I, Farinha P, Gascoyne RD, Marra MA. Two Wrongs Make A Right: The Use of Whole-Genome Amplification for Pair-Wise Genome-wide Copy Number Analysis of Limited Patient Material.

442. 50th Annual Conference of the Canadian Society of Biochemisty, Molecular and Cellular Biology. Montreal, QC. Jul 2007. Morozova O and Marra MA. From cytogenetics to next-generation sequencing technologies: advances in the detection of genome rearrangements in tumors. (***Biochem Cell Biol*. *2008 Apr;86(2):81-91)***

443. 66th Society of Developmental Biology Annual Meeting. Cancun, Mexico. June 2007 Hoffman B, Kok D, Witzsche J, Hirst M, Robertson G, Hoodless PA, Jones S, Marra M, Helgason CD. Genome-wide analysis of Nkx2.2 binding sites using ChIP- tag sequencing (ChIP-TS). (***Develop Biol*. *2007 June 1,306 (1):354)***

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611. 18th International Mouse Genome Conference. Seattle, WA. Oct 2004. Bohacec S, Xie Y, Kuo B, Khattra J, Siddiqui A, Helgason CD, Hoodless PA, Jones S, Marra M, Simpson EM. Comprehensive SAGE Atlas of Murine Gene Expression Throughout Development.

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615. Mouse Molecular Genetics Annual Meeting. Cold Spring Harbor Laboratory, NY. Sep 2004. Hoodless PA, Rupert JL, Siddiqui A, Wu MK, Delaney A, Callum R, Lee L, Charters A, Khattra J, Jones S, Marra M. SAGE Analysis of Tissues in Mouse Development.

616. Functional Genomics – from birth to death. Göttenberg, Sweden. Aug 2004. Siddiqui A, Khattra J, Schnerch A, Delaney A, Pera M, Firpo M, Thomson J, Eaves C, Marra M. Large Scale Comparative Transcriptome Analysis of Multiple Undifferentiated Human Embryonic Stem Cell Lines.

617. West Coast Worm Meeting 2004. Santa Barbara, CA. Aug 2004. Ruzanov R, McKay SJ, Jones SJM, Marra M, Moerman DG, Baillie DL, Riddle DL. Annotation of *C. elegans* genes associated with longevity using serial analysis of gene expression (SAGE).

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623. 11th International Cereal Rusts and Powdery Mildews Conference. Norwich, UK. Aug 2004. Bakkeren G, Hu G, Linning R, Kamp A, Joseph C, McCallum B, Banks T, Cloutier S, Butterfield Y, Liu J, Kirkpatrick R, Stott J, Yang G, Smailus D, Jones S, Marra M, Schein J, Pei J, Westwood T. Generation of a wheat leaf rust, *Puccinia triticina*, EST database and microarray from stage-specific cDNA libraries.

624. 63rd Annual Meeting for the Society for Developmental Biology, Calgary, AB. July 2004. Mah A, Asano J, Bilenky M, Boroevich K, Chan S, Dube N, Fang L, Goszczynski B, Halfknight E, Hassel M, Hollebakken R, Huang P, Jensen V, Johnsen R, Jones S, Khattra J, Lee A, Marra M, McGhee J, McKay S, Mills C, Moerman D, Newbury R, Ouellette F, Riddle D, Robertson G, Ruzanov P, Sonnhammer E, Tian H, Tu D, Tyson J, Warner A, Wong K, Wong S, Zhao Z, Baillie DL. Multi-Approach Expression Profiling of Human Orthologous genes in *C. elegans*.

625. The First Northern Lights Summer Conference, CFBS 47th Annual Meeting. Vancouver BC. June 2004. Quayle S, Hare H, Hwang D, Jones S, Schein J, Marra M, Sadar M. A Custom Microarray for Profiling Gene Expression Changes in Advanced Prostate Cancer.

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628. Poplar Symposium Sponsored by the German Science Foundation, Understanding Poplar: From Genes to Functions. Göttingen, Germany. May 2004. Bohlmann J, Ralph S, Kelleher C, Yueh H, Jancsik S, Oddy C, Marra M, Schein J, Holt R, Jones S, Siddiqui A, Butterfield Y, Kirkpatrick R, Ritland C, Douglas C, Ellis B, Ritland K. Canada's contribution to the international poplar genome sequencing project and mining for insect-defense genes in the poplar genome.

629. 46th Annual Thomas L. Petty Lung Conference: Lung Cancer: Early Events, Early Interventions. Aspen, CO. May 2004. Garnis C, Coe B, Henderson L-J, Ishkanian A, Watson S, Marra M, Minna J, Lam S, MacAulay C, Lam W. Construction and Optimization of Chromosome Arm-Specific Comparative Genomic Hybridization Arrays for Identifying Genetic Alterations In Preinvasive Lung Cancers.

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631. The Biology of Genomes. Cold Spring Harbor Laboratory, NY. May 2004. Butterfield YSN, Griffith M, Griffith O, Guin R, Kirkpatrick R, Liao N, Morin R, Chow W, Liu J, Palmquist D, Petrescu A, Warren R, Santos JR, Chan A, Stott JM, Yang GS, Barber SA, Brown-John M, Chand SS, Mayo MR, Olson T, Smailus D, Holt RA, Siddiqui A, Jones S, Marra MA. Full length cDNA sequencing and analysis pipeline.

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Hassel M, Hollebakken R, Huang P, Hung K, Jensen V, Jones SJM, Li D, Mah A, Marra M, Mills C, McGhee J, Newbury R, Pouzyrev A, Riddle DL, Rogalski T, Robertson G, Ruzanov P, Tian H, Tu D, Warner A, Wong K, Zhao Z, and Moerman DG. Gene Expression Profiling of Cells, Tissues and Developmental Stages of the Nematode *C. elegans.*

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635. The Biology of Genomes, Cold Spring Harbor Laboratory, NY. May 2004. Kirkpatrick R, Ralph S, Liu J, Palmquist D, Butterfield Y, Stott J, Babakaiff R, Barber S, Brown-John M, Chand S, Cloutier A, Featherstone R, Girn N, Lee D, Masson A, Mayo M, Moran J, Olson T, Prabhu A-L, Tsai M, Yang G, Cooper D, Gunter L, Tuskan J, Bohlmann J, Ritland K, Ellis B, Douglas C, Siddiqui A, Holt R, Jones S, Marra M. Gene Discovery in Poplar.

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637. The Biology of Genomes. Cold Spring Harbor Laboratory, NY. May 2004. Siddiqui A, Astakhova T, Bilenky M, Griffith O, Hassel M, Kennedy J, Lin K, Montgomery S, Robertson G, Sleumer M, Tsang E, Fu T, Marra M, Jones S. A unified platform for *CIS*-regulatory element detection.

638. The Biology of Genomes. Cold Spring Harbor Laboratory, NY. May 2004. Griffith M, Baross A, Butterfield YSN, Coughlin SM, Zeng T, Griffith OL, Petrescu AS, Smailus DE, Khattra J, McDonald HL, McKay SJ, Moksa M, Holt RA, Marra MA. Targeted large scale generation and analysis of Full-ORF human cDNA clones.

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641. 104th General Meeting for the American Society of Microbiology. New Orleans, LO. May 2004. Tangen KL, Steen BR, Lian TS, Zuyderduyn S, Jones SJM, Marra M, Kronstad JW. Iron Regulated Transcription and Virulence in the Pathogenic Fungus Cryptococcus neoformans using Serial Analysis of Gene Expression (SAGE).

642. Annual Canadian Developmental Biology Symposium. Banff, AB. Apr 2004. Rupert JL, Wu MK, Cullum R, Lee L, Charters A, Khattra J, Helgason CD, Simpson EM, Jones S, Marra M and Hoodless PA. The Atlas of Gene Expression in Mouse Development: a SAGE Project.

643. 2004 Genomics Forum: Genomics and the Science of Life. Vancouver, BC. Mar 2004. Leung D, Teague K, Zuyderduyn S, Varhol R, Pleasance E, Warren R, Siddiqui A, Jones S, Marra M. A comprehensive approach to SAGE tag to gene mapping and an overview of the architecture of the Mouse Atlas of Gene Expression web site.

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650. 2004 Genomics Forum: Genomics and the Science of Life. Vancouver, BC. Mar 2004. Stott J, Smailus D, Babakaiff R, Barber S, Butterfield Y, Brown-John M, Chan A, Guin R, Chand S, Featherstone R, Kirkpatrick R, Liao N, Liu J, Masson A, Mayo M, Moran J, Olson TE, Palmquist D, Petrescu AS, Santos JR, Varhol R, Warren R, Wong D, Yang GSH, Marra M and Robert A Holt. Accelerating Discovery - The Genome BC Sequencing Platform at Canada's Michael Smith Genome Sciences Centre.

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652. 2004 Genomics Forum: Genomics and the Science of Life. Vancouver, BC. Mar 2004. Sleumer M, Astakhova T, Bilenky M, Griffith O, Hassel M, Kennedy J, Lin K, Montgomery S, Pleasance E, Robertson G, Tsang E, Fu T, Siddiqui A, Marra M, Jones S. Sockeye: A platform for cis-regulatory element discovery.

653. 2004 Genomics Forum: Genomics and the Science of Life. Vancouver, BC. Mar 2004. Warren R, Myhre M, Dosanjh M, Petrescu A, Yang G, Scott J, Butterfield Y, Schein J, Shin H, Latreille P, Khattra J, Smailus D, Siddiqui A, Holt R, Jones S, Marra M, Mohn W, Fukuda M, Davies J, Eltis L. Whole genome shotgun assembly and characterization of rhodococcus sp. rha1, a pcb-degrading actinomycete.

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655. 2nd Annual Canadian Gene Expression Conference. Vancouver, BC. Mar 2004. Jones S, Griffith O, Pleasance E, Fulton D, Oveisi M, Astakhova T, Hassel M, Sleumer M, Kennedy J, Li Y, Lin K, Robertson G, Montgomery S, Fu T, Marra M, Siddiqui A. Utility of large expression datasets from SAGE, Affymetrix and cDNA microarrays for identifying genes under similar regulatory control.

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657. 2nd Annual Canadian Gene Expression Conference. Vancouver, BC. Mar 2004. Kent D, Zhao Y, Raouf A, Dykstra B, Khattra J, Schnerch A, Marra M, Eaves C. Development of a Strategy for Gene Expression Profiling of Biologically Pure Populations of Adult Murine Hematopoietic Stem Cells.

658. 2nd Annual Canadian Gene Expression Conference. Vancouver, BC. Mar 2004. Baross A, Butterfield YSN, Coughlin SM, Zeng T, Griffith M, Griffith O, Petrescu AS, Smailus DE, Khattra J, McDonald HL, McKay SJ, Moksa M, Siddiqui A, Jones SJM, Holt RA, Marra MA. Systematic Recovery and Analysis of Full-ORF Human cDNA Clones.

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661. Keystone Symposia: Signaling in Vertebrate Organogenesis (C4). Santa Fe, NM. Mar 2004. Rupert JL, Wu MK, Cullum R, Lee L, Landry A, Helgason CD, Simpson EM, Jones S, Marra M, Hoodless PA. The Atlas of Gene Expression in Mouse Development.

662. ASI Exchange 2004. Vancouver, BC. Mar 2004. Montgomery S, Astakhova T, Bilenky M, Griffith O, Hassel M, Kennedy J, Lin K, Robertson G, Sleumer M, Tsang E, Fu T, Siddiqui A, Marra M, Jones S. Sockeye: A platform for cis-regulatory element discovery.

663. Systems Biology: Genomic approaches to transcriptional regulation. Cold Spring Harbor Laboratory, NY. Mar 2004. McGhee J, Robertson G, Khattra J, Moerman D, Baillie D, Jones S, Marra M, McKay S. The Transcription Factor Network Regulating Development of the Caenorhabditis elegans Intestine.

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665. 2004 AGBT Meeting, Marco Island, FL. Feb 2004. Marra M, Khattra J, Schnerch A, Delaney A, Pera M, Firpo M, Thompson J, Eaves C. Large Scale Comparative Transcriptome Analysis of Multiple Undifferentiated Human Embryonic Stem Cell Lines.

666. 2004 AGBT Meeting, Marco Island, FL. Feb 2004. Marra MA, Chittaranjan S, McConechy M, Pleasance ED, Mansfield BA, Gorski SM. A Functional Genomics Approach to Autophagic Cell Death Gene Discovery.

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669. 2004 AGBT Meeting, Marco Island, FL. Feb 2004. Siddiqui AS, Khattra J, Zuyderduyn S, Simpson E, Helgason C, Jones S, Hoodless P, Marra M. A Quantitative and Comprehensive Atlas of Gene Expression in Mouse Development.

670. 2004 AGBT Meeting, Marco Island, FL. Feb 2004. Butterfield YS, Griffith M, Griffith O, Guin R, Kirkpatrick R, Liao N, Liu J, Palmquist D, Petrescu AS, Stott JM, Yang GSH, Brown-John M, Chand SS, Mayo MR, Olson TE, Smailus DE, Holt RA, Siddiqui A, Jones S, Marra M. Full length cDNA sequencing bioinformatics pipeline.

671. 2004 AGBT Meeting, Marco Island, FL. Feb 2004. Baross A, Schertzer M, Zuyderduyn S, Jones SJM, Marra MA, Lansdorp PM. The Effect of Telomerase (hTERT) and Ataxia Telangiectasia Mutated (ATM) on Gene Expression Profiles in Human Fibroblasts.

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673. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Quayle S, Hare H, Hwang D, Jones S, Schein J, Marra M, and Sadar M. Subtractive hybridization for identifying novel expressed sequences in prostate cancer.

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678. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Schnerch A, Asano J, Baross A, Khattra J, Pleasance E, Zuyderduyn S, Eaves C, Thomson J, Jones S, Marra M. Investigations of the Transcriptome of human embryonic stem cells using high throughput expression profiling and the characterization of enriched transcripts.

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683. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2003. Bosdet I, Mathewson C, Lee D, Chiu R, Cloutier A, Featherstone R, Fjell C, Krzywinski M, Matsuo C, O'Connor K, Osoegawa K, Shin H, Tsai M, Wong D, Wye N, Prasad A, Portnoy M, Hoskins R, Celniker S, deJong PJ, Rubin G, Green E, Jones S, Schein J, Marra M. Applications for Fingerprinted BAC Clones.

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688. 9th International Conference on Applied Genomics. Amsterdam, The Netherlands. Oct 2003. Quayle S, Hare H, Hwang D, Jones S, Schein J, Marra M, and Sadar M. Subtractive hybridization for identifying novel expressed sequences in prostate cancer.

689. 15th International Genome Sequencing and Analysis Conference. Savannah, GA. Sep 2003. Holt RA, Astell CR, Jones SJM, Brooks-Wilson A, Marra MA. The Genome Sequence of the SARS Associated Coronavirus.

690. The Second Annual General Meeting of the Stem Cell Network. Vancouver, BC. Sep 2003. Zhao Y, Raouf A, Khattra J, Schnerch A, Marra M, Eaves C. A novel method to amplify RNA extracts from small numbers of cells for Serial Analysis of Gene Expression (SAGE).

691. 1st Canadian Plant Genomics Workshop. Saskatoon, SK. Aug 2003. Jones SJM, Zuyderduyn S, Varhol R, Oveisi M, Fjell C, Leung D, Robertson N, Rusaw S, Ruzanov P, Pleasance ED, Schnerch A, Vatcher G, Siddiqui A, Marra M. Integrated genomic approaches to interpreting gene expression.

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696. 11th Conference of the International Society for Molecular Plant-Microbe Interactions. St. Petersburg, Russia. July 2003. Bakkeren G, Hu GG, Linning R, McCallum B, Banks T, Cloutier S, Butterfield Y, Liu J, Kirkpatrick R, Stott J, Yang G, Smailus D, Jones S, Marra M, Schein J. Generation of a wheat leaf rust fungus, Puccinia triticina, EST database from stage-specific cDNA libraries.

697. 14th International C. elegans Meeting, University of California. Los Angeles, CA. July 2003. Johnsen R, Fang L, Ha E, Mah A, McKay S, Tu D, Zhao Z, Jones S, Marra M, Moerman D, Ouellette F, Sonnhammer E, Baillie D. Expression of promoter-GFP constructs in *C. elegans.*

698. 14th International C. elegans Meeting, University of California. Los Angeles, CA. July 2003. McKay S, Jones S, Khattra J, Marra M, Moerman D, McGhee J, Asano J, Chan S, Coughlin S, Girn N, Huang P, Kai H, McDonald H, Pandoh P, Varhol R, Vatcher G, Warner A, Wong K, Zuyderduyn S, Baillie D. Evaluation of SAGE for the study of developmental gene expression profiles in *C. elegans.*

699. 14th International C. elegans Meeting, University of California. Los Angeles, CA. July 2003. S McKay, R Johnsen, S Jones, J Khattra, M Marra, D Moerman, F Ouellette, T Burglin, E Sonnhammer, A Vas Gomes, C Wahlestedt, J Asano, S Chan, S Coughlin, L Fang, N Girn, E Ha, P Huang, H Kai, A Mah, H McDonald, P Pandoh, D Tu, A Warner, K Wong , D Baillie. Gene expression profiles in cells, tissues and development of *C. elegans.*

700. 46th Annual Thomas L. Petty Aspen Lung Conference. Aspen, CO. June 2003. MacAulay C, Lonergan K, Chi B, Zuyderduyn S, Schein J, Tsao M, LeRiche J, Jones S, Marra M, Lam S, Lam W. Serial analysis of gene expression profiles of developmental stages in non-small cell lung carcinoma.

701. IUFRO Tree Biotechnology Meeting. Umea, Sweden. June 2003. Tuskan GA, DiFazio S, Wullschleger S, Ritland K, Bohlmann J, Douglas C, Ellis B, Marra M, Chapman J, Richardson P, Rokhsar D. The Populus Genome: Development of an Information Resource.

702. Gordon Research Conference on Autophagy, in Stress, Development and Disease. Waterville, ME. June 2003. Gorski S, Chittaranjan S, Hou YC, Pleasance E, Ma K, Varhol R, Marra M. Discovery and Functional Analysis of Genes Associated with Autophagic Cell Death.

703. Congress on In Vitro Biology. Portland, OR. May-June 2003. Tuskan GA, DiFazio S, Wullschleger S, Ritland K, Bohlmann J, Douglas C, Ellis B, Marra M, Chapman J, Richardson P, Rokhsar D. The Populos genome: Development of the information resource.

704. Pathology Day. Vancouver, BC. May 2003. Quayle S, Hare H, Akopian V, Hwang D, Jones S, Schein J, Tung S, Marra M, and Sadar M. Discovery of new genes differentially expressed in androgen independent prostate cancer.

705. 12th Annual Canadian Genetic Diseases Network Scientific Meeting. Kananaskis, AB. May 2003. Campbell G, Bosdet I, Butland S, Devon R, Hayden M, Leavitt B, Marra M, Wilkinson A, Ouellette F. GeMS DB: A database integrating clinical and experimental data for the study of Genomic Mutational Signature Sequences.

706. The Genome of Homo Sapiens. Cold Spring Harbor Laboratory, NY. May 2003. The Genome Canada C. elegans II Consortium. Preliminary analysis of expression profiles of human ortholog genes in *C. elegans.*

707. The Genome of Homo Sapiens. Cold Spring Harbor Laboratory, NY. May 2003. Osoegawa K, Choy C-O, Lammer E, Iovannisci D, Krzywinski M, Marra M, Schoenmakers E, de Jong PJ. High-resolution mapped BAC-arrays for use in CGH.

708. The Genome of Homo Sapiens. Cold Spring Harbor Laboratory, NY. May 2003. Butland S, Bosdet I, Campbell G, Devon R, Hayden M, Leavitt B, Marra M, Wilkinson A, Ouellette F. Integrated bioinformatics and clinical approach to identify disease-gene associations.

709. Genome Informatics. Cold Spring Harbor Laboratory, NY. May 2003. Bilenky M, Astakhova T, Montgomery S, Rak M, Robertson G, Sleumer M, Siddiqui A, Marra M, Jones S. Sockeye: A 3D approach to multi-genome visualization.

710. Genome Informatics. Cold Spring Harbor Laboratory, NY. May 2003. Fjell C, Bosdet I, Chiu R, Flibotte S, Mathewson C, Shin H, Wye N, Schein J, Jones SJM, Marra M. Fingerprint mapping bioinformatics for sequencing the rat genome.

711. Genome Informatics. Cold Spring Harbor Laboratory, NY. May 2003. McKay S, Johnsen R, Mah A, Fang L, Tu D, Khattra J, Warner A, Kai H, Ha E, Huang P, Jones S, Marra M, Moerman D, Baillie D. Large-scale analysis of gene expression profiles of cells and tissues in *C. elegans.*

712. 1st Canadian Gene Expression Conference. Vancouver, BC. Mar 2003. Jones SJM, Zuyderduyn S, Varhol R, Oveisi M, Ruzanov P, Rusaw S, Pleasance ED, Schnerch A, Vatcher G, Marra M. Serial Analysis of Gene Expression in Cancer Research.

713. 1st Canadian Gene Expression Conference. Vancouver, BC. Mar 2003. Gorski SM, Chittaranjan S, Pleasance ED, Freeman JD, Anderson CL, Varhol RJ, Coughlin SM, Zuyderduyn SD, Jones SJM, Marra MA. A SAGE Approach to Discovery of Genes Involved in Autophagic Cell Death.

714. The ASI Exchange 2003. Vancouver, BC. Mar 2003. Saeedi P, Krzywinski M, Jones S, Marra MA. Automated lane tracking for DNA gel images.

715. Children's and Women's Health Centre of BC Student Research Forum. Vancouver, BC. Mar 2003. Campbell G, Bosdet I, Butland S, Devon R, Hayden M, Leavitt B, Marra M, Ouellette F. GeMS DB: A database of clinical and experimental data for the study of Genomic Mutational Signature Sequences.

716. Fifth European Symposium of the Protein Society (FASEB). Florence, Italy. Mar 2003. Jensen-Seaman MI, Lazar J, Shiozawa M, Barreto NE, Lemke A, Gibbs R, Weinstock G, Schein J, Marra M, Zhao S, de Jong P, Jacob HJ. A Comparative genomics approach to positionally cloning a gene for renal failure.

717. Molecular Mechanisms of Apoptosis meeting. Banff, AB. Feb 2003. Chittaranjan S, Marra M, Gorski S. Role of defense response genes in autophagic cell death of Drosophila salivary glands.

718. Advances in Genome Biology & Technology and Automation in Mapping & DNA Sequencing 4th Annual Meeting. Marco Island, FL. Feb 2003. Krzywinski M, Bosdet I, Smailus D, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier Al, Masson A, Mayo M, Olson T, MacAulay C, Lam W, Choy CO, Osoegawa K, Zhao S, de Jong PJ, Schein J, Jones S, Marra M. A set of rearrayed BAC clones spanning the human genome.

719. Advances in Genome Biology & Technology and Automation in Mapping & DNA Sequencing 4th Annual Meeting. Marco Island, FL. Feb 2003. Krzywinski M, Schein J, Chiu R, Bosdet I, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier A, Masson A, Mayo M, Olson T, Jones S, Hoskins R, Celniker S, Rubin G, Marra M. Verification of Drosophila melanogaster sequence assembly using restriction digest BAC fingerprints derived from multiple enzymes.

720. Advances in Genome Biology & Technology and Automation in Mapping & DNA Sequencing 4th Annual Meeting. Marco Island, FL. Feb 2003. Jones S, Ruzanov P, MacAulay C, Lam W, Lonergan K, Lam S, Zuyderduyn S, Schein J, Oveisi M, Varhol R, Rusaw S, Schnerch A, Khattra J, Thomson J, Humphries K, Eaves C, Ling V, Marra M. High-throughput serial analysis of gene expression profiling of cancers.

721. Advances in Genome Biology & Technology and Automation in Mapping & DNA Sequencing 4th Annual Meeting. Marco Island, FL. Feb 2003. Butterfield Y, MacDonald K, Stott J, Yang G, Smailus D, Griffith O, Guin R, Barber S, Girn N, Lee D, Prabhu A-L, Miranda T, Schein J, Jones S, Marra M. An integrated approach to transposon-mediated full length cDNA sequencing.

722. Advances in Genome Biology & Technology and Automation in Mapping & DNA Sequencing 4th Annual Meeting. Marco Island, FL. Feb 2003. Khattra J, Chan S, Asano J, Pandoh P, Vatcher G, Schnerch A, Doug F, Zuyderduyn S, Leung D, Teague K, Jones S, Marra M. High-throughput gene expression analysis technologies at the British Columbia Cancer Agency.

723. TIGR/ASM Microbial Genomes 3rd Annual Conference. New Orleans, LA. Jan 2003. Eltis L, Butterfield Y, Dosanjh M, Goncalves E, Khattra J, Overton L, Patel R, Patrauchan M, Smailus D, Stott J, Warren R, Yang G, Jones S, Marra M, Schein J, Mohn W, Fukuda M, Davies J. Genomic Analysis of Rhodococcus sp. RHA1.

724. SAGE 2003. Amsterdam, Netherlands. Jan 2003. Lam W, Lonergan K, Zuyderduyn S, Schein J, Tsao M, LeRiche J, Jones S, Marra M, MacAulay C, Lam S. Gene expression profiles of developmental stages of non-small cell lung carcinoma.

725. SAGE 2003. Amsterdam, Netherlands. Jan 2003. Zuyderduyn S, Varhol R, Oveisi M, Ruzanov P, Rusaw S, Pleasance ED, Schnerch A, Vatcher G, Marra M, Jones SJM. The discovery platform: A database and software system for integration, interrogation and visualization of biological and SAGE data.

726. SAGE 2003. Amsterdam, Netherlands. Jan 2003. Schnerch A, Asano J, Chan S, Khattra J, Oveisi M, Pleasance E, Ruzanov P, Varhol R, Vatcher G, Zuyderduyn S, Eaves CJ, Humphries K, Thomson JA, Jones S, Marra M. Global gene expression profiling in murine and human embryonic stem cells using SAGE and Affymetrix genechips.

727. SAGE 2003. Amsterdam, Netherlands. Jan 2003. Pleasance ED, Varhol R, Zuyderduyn S, Marra MA, Jones SJM. Assessment of SAGE in transcript identification based on a new method of tag-to-gene mapping.

728. Comparative Plant Genomics Conference. Cold Spring Harbor Laboratory, NY. Dec 2002. Beavis B, Bohlmann J, Bradshaw HD, Douglas C, Ellis B, Grover A, Larimer F, Martin F, Marra M, Nilsson O, Richardson P, Rokhsar D, Ritland K, Sandberg G, Strauss SH, Tuskan G. Poplar genomics: Global collaboration to develop tools that revolutionize knowledge of tree development and wood quality.

729. University of British Columbia Medical Genetics Research Day. Vancouver, BC. Nov 2002. Gorski SM, Chittaranjan S, Pleasance ED, Freeman JD, Anderson CL, Varhol RJ, Coughlin SM, Zuyderduyn SD, Jones SJM, Marra MA. A SAGE Approach to Discovery of Genes Involved in Autophagic Cell Death.

730. University of British Columbia Medical Genetics Research Day. Vancouver, BC. Nov 2002. Pleasance ED, Chittaranjan S, Freeman JD, Varhol RJ, Zuyderduyn SD, Marra MA, Gorski SM, Jones SJM. Bioinformatics analysis of SAGE expression data and applications to cell death.

731. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. de Leeuw RJ, Pal A, Chhanabhai M, Karsan A, Connors JM, Klasa R, Marra MA, Horsman D, Lam WL. Serial Analysis of Gene Expression Profile of a Richter's Transformation of Chronic Lymphocytic Leukemia.

732. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Bosdet I, Gorski S, Marra M. Programmed cell death in the Drosophila melanogaster retina – cloning and characterizing the Echinus locus.

733. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Chittaranjan S, Marra M, Gorski S. Role of defense response genes in autophagic cell death of Drosophila salivary glands.

734. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Freeman D, Ma K, Rusconi JC, Cagan RL, Marra MA, Gorski SM. Characterization of inxs, a gene involved in programmed cell death in the developing Drosophila retina.

735. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Yang G, Stott J, Smailus D, Barber S, Girn N, Lee D, MacDonald K, Prabhu A-L, Tsai M, Schein J, Marra M. SAGE and full length cDNA sequencing at the BCCA Genome Sciences Centre.

736. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Quayle S, Hare H, Akopian1 V, Hwang D, Jones S, Schein J, Marra M, Sadar M. Discovery of new genes differentially expressed in androgen independent prostate cancer.

737. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Gorski S, Chittaranjan S, Pleasance ED, Freeman JD, Anderson CL, Varhol RJ, Coughlin SM, Zuyderduyn SD, Jones SJM, Marco MA. A SAGE approach to discovery of genes involved in autophagic cell death.

738. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Fjell C, Astakova V, Chiu R, Flibotte S, Saeedi P, Shin H, Schein J, Jones S, Marra M. Bioinformatics for genetic physical mapping.

739. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Pleasance ED, Chittaranjan S, Freeman JD, Varhol RJ, Zuyderduyn SD, Marra MA, Gorski SM, Jones SJM. Bioinformatic analysis of SAGE expression data and applications to cell death.

740. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Bosdet I, Chiu R, Fjell C, Fuhrmann D, Krzywinski M, Osoegawa K, Brown-John M, Chand S, Cloutier A, Masson A, Mathewson C, Mayo M, Olson T, Spence L, Wye N, deJong PJ, Schein J, Jones S, Marra M. Physical maps constructed from fingerprinted BAC clones.

741. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Khattra J, Chan S, Asano J, Pandoh P, Vatcher G, Schnerch A, Zuyderduyn S, Leung D, Teague K, Jones S, Marra M. Application of high-throughput gene expression technologies at the Genome Sciences Centre.

742. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Krzywinski M, Schein J, Chiu R, Bosdet I, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier A, Masson A, Mayo M, Olson T, Jones S, Hoskins R, Celniker S, Rubin G, Marra M. Verification of Drosophila Melanogaster sequence assembly using restriction digest BAC fingerprints derived from multiple enzymes.

743. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Krzywinski M, Bosdet I, Smailus D, Mathewson C, Wye N, Barber S, Brown-John M, Chand S, Cloutier A, Masson A, Mayo M, Olson T, Lam W, MacAulay C, Osoegawa K, Zhao S, de Jong PJ, Schein J, Jones S, Marra M. A set of rearrayed BAC clones spanning the human genome.

744. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Montgomery S, Astakhova T, Bilenky M, Rak M, Robertson G, Sleumer M, Marra M, Jones S. Mammalian gene expression platform.

745. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2002. Butterfield Y, Guin R, Macdonald K, Griffith O, Skalska U, Smailus D, Schein J, Jones S, Marra M. Sequencing bioinformatics at Canada's Michael Smith's Genome Sciences Centre.

746. Canadian Phytopathological Society - British Columbia Regional Meeting. Summerland, BC. Oct 2002. Hu GG, Linning R, Joseph C, McCallum B, Xing T, Walsh A, Banks T, Cloutier S, Jordan M, Matsalla C, Schein J, Butterfield Y, Jones S, Marra M, Bakkeren G. Generation of a database for expressed sequence tags of leaf rust (*Puccinia triticina)* of wheat from stage-specific cDNA libraries and construction of a corresponding microarray.

747. The 10th International Conference on Intelligent Systems for Molecular Biology. Edmonton, AB. Aug 2002. Butterfield Y, Guin R, Skalska U, Smailus D, Schnerch A, Teague K, Schein J, Marra M, Jones S and the Genome Sciences Centre. Software development for high-throughput DNA sequencing.

748. International Society for Animal Genetics Conference. Gottingen, Germany. Aug 2002. Larkin DM, Schein J, Green C, Dekoj TR, Bachman S, Schweitzer P, Rebeiz M, Everts-van der Wind A, Jones S, Bosdet I, Mathewson C, Wye N, Chiu R, Moore S, Keele JW, Kappes SM, Marra M, de Jong P, Womack JE, Lewin HA. Toward a comparatively anchored, sequence-ready whole genome physical map of the cattle genome.

749. 84th Annual Meeting of the Endocrine Society. San Francisco, CA. June 2002. Quayle S, Hare H, Akopian V, Hwang D, Jones S, Schein J, Marra M, Sadar M. Gene expression profiles associated with progression of prostate cancer to androgen-independence.

750. Genomics Workshop Wheat Genomics: narrow host range pathogens. London, UK. June 2002. Bakkeren G, Hu G, Linning R, McCallum B, Xing T, Walsh A, Cloutier S, Jordan M, Matsalla C, Schein J, Butterfield Y, Jones S, Marra M. Construction of cDNA libraries covering different life cycle stages of the wheat leaf rust fungus, Puccinia triticina (race BBB/Lr1) and generation of a database of 10,000 ESTs.

751. Gordon Conference on Cell Death. Waterville, ME. June 2002. Gorski S, Anderson C, Chittaranjan S, Freeman D, Garland E, Jones S, Varhol R, Zuyderduyn S, Marra M. Transcription profiling of autophagic cell death.

752. Gordon Conference on Cell Death. Waterville, ME. June 2002. Freeman JD, Rusconi JC, Cagan RL, Marra MA, Gorski SM. Characterization of inxs, a gene involved in Programmed Cell Death in the developing Drosophila retina.

753. Pathology Day. Vancouver, BC. May 2002. Quayle S, Hare H, Akopian V, Hwang D, Jones S, Schein J, Marra M, Sadar M. Identification of a novel gene differentially expressed in the progression of prostate cancer.

754. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Nagaraja R, Waeltz P, Brathwaite M, Schein J, Marra M, Schlessinger D. Sequence analysis and physical map in mouse t-complex inversion 2 region and comparison to syntenic region in human.

755. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Gregory SG, McPherson JD, Marra M, Zhao S, Osoegawa K, and others on behalf of the International Mouse Genome Mapping Consortium. A physical map of the mouse genome.

756. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. The Rat Genome Sequencing Consortium. Sequencing the Rat Genome.

757. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Krzywinski M, Jones S, Bosdet I, Schein J, Marra M. A set of rearrayed BAC clones spanning the human genome.

758. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Bosdet I, Barber S, Chan S, Chiu R, Fjell C, Krzywinski M, Leach S, Lee D, Mathewson C, Olson T, Osoegawa K, Prabhu A, Saeedi P, Shin H, Taylor S, Tsai M, Wye N, de Jong PJ, Schein J, Jones S, Marra M. Fingerprinted BAC clone physical maps.

759. Genome Sequencing & Biology Conference. Cold Spring Harbor Laboratory, NY. May 2002. Smailus D, Asano J, Butterfield Y, Girn N, Guin R, Krzywinski M, Lee S, MacDonald K, Olson T, Pandoh P, Saeedi P, Skalska U, Spence L, Stott J, Teague K, Yang G, Schein J, Jones S, Marra M. Transposon-mediated cDNA Sequencing at the BC Cancer Agency Genome Sequence Centre.

760. American Association for Cancer Research 93rd Annual Meeting. San Francisco, CA. Apr 2002. Lonergan K, MacAulay C, Smailus D, Zuyderduyn S, Jones S, Marra M, Lam S, Lam W. Comparing Expression Profiles of Lung Cancer Progression by SAGE.

761. Transcriptome 2002: From Functional Genomics to Systems Biology. Seattle, WA. Mar 2002. Matrubutham U, Mirchandani J, Liu J, Gleeson M, MacDonald K, Asano J, Butterfield Y, Girn N, Lee S, Olson T, Pandoh P, Skalska U, Smailus D, Spence L, Stott J, Yang G, Schein J, Marra M. A Novel Approach to Eliminate Vector Background and Increase Sequencing Efficiency of cDNA.

762. Physiological Genomics & Rat Models. Cold Spring Harbor Laboratory, NY. Dec 2001. Schein J , Bosdet I, Chiu R, Fjell C, Fuhrmann D, Girn N, Krzywinski M, Leach S, Lee D, Lee S, Mathewson C, Ness S, Osoegawa K, Prabhu A, Saeedi P, Spence L, Taylor S, Wye N, de Jong P, Jones S, Marra M. A BAC fingerprint map of the rat genome.

763. Northwest Urological Society 48th Annual Meeting. Vancouver, BC. Dec 2001. Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Gene expression analysis of androgen-independent prostate cancer.

764. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Lonergan K, MacAulay C, Smailus D, Zuyderduyn S, Jones S, Marra M, Lam S, Lam W. Comparing Expression Profiles of Lung Cancer Progression by SAGE.

765. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Bosdet I, Chiu R, Fjell C, Fuhrmann D, Girn N, Krzywinski S, Leach S, Lee D, Lee S, Mathewson C, Ness S, Osoegawa K, Prabhu A, Saeedi P, Spence L, Taylor S, Wye N, de Jong P, Schein J, Jones S, Marra M. Fingerprinted BAC clones for physical map construction.

766. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Chittaranjan S, Garland E, Freeman D, Jones S, Marra M, Gorski S. Transcription profiling of cell death in drosophila melanogaster.

767. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Smailus D, Asano J, Butterfield Y, Chan S, Guin R, Krzywinski M, MacDonald K, Olson T, Pandoh P, Skalska U, Schnerch A, Stott J, Tsai M, Yang G, Zuyderduyn S, Schein J, Jones S, Marra M. Full-length cDNA and SAGE sequencing at the British Columbia Cancer Agency Genome Sequence Centre.

768. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Zuyderduyn S, Varhol R, Oveisi-Fordoei M, Garland E, Krzywinski M, Marra M, Jones S. SAGEdb: A computational platform for investigations using serial analysis of gene expression.

769. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Awarded "Best Poster." Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Differential gene expression in a model of advanced prostate cancer.

770. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001.Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Gene expression analysis of androgen-independent prostate cancer.

771. BC Cancer Agency Annual Cancer Conference. Vancouver, BC. Nov 2001. Garland E, Chittaranjan S, Freeman D, Gorski S, Varhol R, Zuyderduyn S, Marra M, Jones S. A new method of tag to gene mapping allows more comprehensive analysis of data from Serial Analysis of Gene Expression.

772. University of British Columbia Medical Genetics Research Day. Vancouver, BC. Nov 2001. Garland E, Chittaranjan S, Freeman D, Gorski S, Varhol R, Zuyderduyn S, Marra M, Jones S. A new method of tag to gene mapping allows more comprehensive analysis of data from Serial Analysis of Gene Expression.

773. Functional Genomics, Satellite to the 8th International Conference on Environmental Mutagens. Seattle, WA. Oct 2001. Quayle S, Hare H, Akopian V, Jones S, Schein J, Marra M, Sadar M. Identification of new targets for the treatment of androgen-independent prostate cancer.

774. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Lian T, Steen BR, Tangen K, MacDonald K, Zuyderduyn S, Marra M, Jones S, Kronstad J. Analysis of Virulence-Related Transcription in the Human Pathogenic Fungus Cryptococcus neoformans Using SAGE.

775. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Jones SJM, Riddle DL, Pouzyrev AT, Velculescu VE, Hillier L, Eddy SR, Stricklin SL, Baillie DL, Waterston R, Marra M. Changes in Gene Expression Associated with Developmental Arrest and Longevity.

776. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Garland E, Varhol R, Zuyderduyn S, Marra M, Jones S. Transcript construction for increased accuracy of tag to gene mapping in SAGE analysis.

777. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Varhol R, Zuyderduyn S, Lypkie P, Krzywinski M, Garland E, Marra M, Jones S. SAGEdb: Integrated Database for Gene Expression Analysis.

778. SAGE 2001 Frontiers in Transcriptome Exploration. Coronado, CA. Sep 2001. Zuyderduyn S, Varhol R, Garland E, Krzywinski M, Marra M, Jones S. SAGEspace: Interrogating and Visualizing SAGEdb.

779. International Society for Trace Elements in Humans 2001 Meeting. Quebec City, PQ. Sep 2001. Mattman A, Vatcher G, Marra M, Jones S, Lockitch G, Huntsman D. Investigation of the transferrin receptor 2 (TFR2) gene in HFE C282Y negative patients with atypical hereditary Hemochromatosis (HH).

780. Joint Meeting of the American Phytopathological Society, the Mycological Society of America, and the Society of Nematologists. Salt Lake City, UT. Aug 2001. Kronstad J, Lee N, Wake K, Jiang G, Klose J, Schein J, Marra M, Jones S. Sex, signaling and morphogenesis in smut fungi. ***(Phytopathology 91 (6 Supplement): S165-S166 June 2001)***

781. 13th International C. elegans international meeting. Los Angeles, CA. June 2001. Riddle DL, Jones SJ, Pouzyrev AT, Velculescu VE, Hillier L, Eddy SR, Stricklin SL, Baillie DL, Waterston R, Marra MA. Changes in gene expression associated with developmental arrest and longevity in C. elegans.

782. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Ness S, Fjell C, Chiu R, Saeedi P, Fuhrmann D, Schein J, Jones S, Marra M. Developing computational strategies for constructing and analyzine physical maps of large genomes.

783. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Butterfield Y, Zuyderduyn S, Schnerch A, Guin R, Krzywinski M, Schein J, Smailus D, Jones S, Marra M. Bioinformatics for human full length cDNA sequencing at the BCCA Genome Sequence Centre.

784. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Smailus D, Butterfield Y, Chan S, Guin R, Krzywinski M, Mathewson C, Prabhu A, Schnerch A, Stott J, Tsai M, Zuyderduyn S, Schein J, Jones S, Marra M. Full-length cDNA sequencing at the British Columbia Cancer Agency Genome Sequence Centre.

785. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2001. Schein J, Asano J, Bosdet I, Chiu R, Fjell C, Fuhrmann D, Gray C, Krzywinski M, Kutsche R, Lee S, Mathewson C, McLeavy C, Ness S, Osoegawa K, Pandoh P, Saeedi P, Spence L, van den Bosch N, Yang G, de Jong PJ, Jones S, McPherson J, Marra M. A fingerprinted BAC clone physical map of the mouse genome.

786. The Fifth Annual International Conference on Computational Molecular Biology. Montreal, PQ. Apr 2001. Thorne M, Marra M, Jones S. Cataloguing candidate elements involved in transcriptional regulation in the Caenorhabditis elegans genome.

787. Mouse Molecular Genetics. Cold Spring Harbor Laboratory, NY. Aug 2000. Marra M, Schein J, Bosdet I, Chan S, Chiu R, Fuhrmann D, Guin R, Krzywinski M, Kutsche R, Mathewson C, Pandoh P, Prabhu A, Smailus D, Sness S, Stott J, Tsai M, Yang G, Smith M, Jones S and McPherson J. Fingerprinted clones for the sequencing of the mouse genome.

788. The Third International Symposium on Fungal Genomics: Novel Developments in Functional, Evolutionary and Computational Genomics. Athens, GA. July 2000. Steen BR, Tangen K, MacDonald K, Marra M, Jones S, Kronstad J. Genome analysis and infection regulated gene expression in Cryptococcus neoformans.

789. Genome Sequencing and Mapping. Cold Spring Harbor Laboratory, NY. May 2000. Fuhrmann DR, Marra MA, Chinwalla A, Jones S, Waterston R. Automated image analysis for DNA restriction mapping.

790. 5th Annual International Human Genome Meeting. Vancouver, BC. Apr 2000. Schein J, Bosdet I, Chan S, Chittaranjan S, Chiu R, Krzywinski M, Prabhu A, Smailus D, Stott J, Thorne M, Zapala M, McPherson J, Smith M, Jones S, Marra M. Fingerprinted BAC clones for sequencing the genome of the mouse.