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Dr. Byram W. Bridle

Correspondence language: English

Sex: Male

Date of Birth: 12/02

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Room #4834, Building #89
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Telephone

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|------------|-------------------------------|
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Website

| | |
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| Corporate | https://ovc.uoguelph.ca/pathobiology/people/faculty/Byram-W-Bridle |
|-----------|---|

Dr. Byram Bridle

Language Skills

| Language | Read | Write | Speak | Understand | Peer Review |
|----------|------|-------|-------|------------|-------------|
| English | Yes | Yes | Yes | Yes | Yes |

Degrees

- 2005/9 - 2011/12 Post-doctorate, Post-doctoral fellowship, Viral Immunology, McMaster University
 Degree Status: Completed
 Supervisors: Dr. Yonghong Wan, 2005/9 - 2011/12
 Research Disciplines: Immunology, Virology
 Areas of Research: Vaccine and Cancer, Immunotherapy, Vaccination, Virus, Auto-Immune Diseases, Cerebral Tumors
 Fields of Application: Biomedical Aspects of Human Health
- 2000/1 - 2005/10 Doctorate, Doctor of Philosophy, Immunology, University of Guelph
 Degree Status: Completed
 Thesis Title: Suppression and modulation of rat immune responses against porcine cells.
 Supervisors: Dr. Bonnie A. Mallard, 2000/1 - 2005/10
 Research Disciplines: Immunology
 Areas of Research: Transplantation and Graft Rejection
 Fields of Application: Biomedical Aspects of Human Health
- 1994/9 - 1997/4 Master's Thesis, Masters of Science, Immunology, University of Guelph
 Degree Status: Completed
 Thesis Title: The influence of age and strain on the peripheral blood lymphocytes of commercially raised chickens.
 Supervisors: Dr. Azad Kaushik, 1994/9 - 1997/4
 Research Disciplines: Immunology
 Areas of Research: Immune System
 Fields of Application: Pathogenesis and Treatment of Diseases
- 1990/9 - 1994/4 Bachelor's Honours, Bachelors of Science, Biomedical Sciences, University of Guelph
 Degree Status: Completed

Credentials

- 2018/8 Awarded Tenure, University of Guelph
 2018/1 Associate Professor, University of Guelph

2012/1 - 2017/12 Assistant Professor, University of Guelph
Named to the Regular Graduate Faculty in the Department of Pathobiology by the Board of Graduate Studies, University of Guelph.
Research Disciplines: Immunology
Areas of Research: Vaccine and Cancer, Immunotherapy, Vaccination, Virus, Cerebral Tumors, Leukemia, Lymphoma, Auto-Immune Diseases
Fields of Application: Biomedical Aspects of Human Health

Recognitions

2020/11 Invited to be a member of the Canadian Institutes of Health Research College of Reviewers (Canadian dollar)
Canadian Institutes of Health Research
Honor
"On behalf of the Canadian Institutes of Health Research (CIHR), we are very pleased to invite you to become a member of the College of Reviewers (College). This invitation is made in recognition of your accomplished career, demonstrated track record of excellence, and dedication to peer review."

2020/4 Honourary class president of the Ontario Veterinary College's Doctor of Veterinary Medicine class of 2023
University of Guelph
Honor
Voted by class as professor of the year (for teaching immunology)

2020/3 Zoetis Award for Research Excellence - 1,000
Zoetis
Prize / Award
This award recognizes outstanding research effort and productivity.

2019/4 Monetary donation made in Dr. Bridle's honour by the DVM class of 2020 to the Down Syndrome Research Foundation.
University of Guelph
Honor
Done in recognition of teaching excellence.

2018/7 Promotion to the position of Associate Professor
University of Guelph
Distinction
Based on meritorious performance as an Assistant Professor, I was promoted to the position of Associate Professor, effective July 1, 2018.

2017/12 Tenure
University of Guelph
Distinction
Based on meritorious performance as an Assistant Professor, I was awarded tenure in December 2017.

2015/6 Carl J. Norden Distinguished Teaching Award The highest teaching award given by each North American Veterinary College; the recipient is chosen based on a vote of the second, third and fourth year veterinary classes. - 1,000
University of Guelph
Prize / Award
The highest teaching award given by each North American Veterinary College

- 2015/4 - 2018/3 Terry Fox Research Institute New Investigator Award - 449,587 (Canadian dollar)
Terry Fox Research Institute
Prize / Award
To provide outstanding young researchers with support as they develop their career as independent research scientists or clinician scientists and to undertake high-quality research into cancer in close collaboration with established research teams.
- 2015/4 Was one of three nominees for honorary class president for the Doctor of Veterinary Medicine class of 2018.
University of Guelph
Honor
The honorary class president is voted by the students as the professor of the year.
- 2014/6 Junior Investigator Grant Panel Travel Award
Canadian Cancer Society Research Institute
Prize / Award
An travel award provided to successful applicants by the Canadian Cancer Society to attend and observe a grant review panel meeting.
- 2014/4 Monetary donation made in Dr. Bridle's honour by the DVM class of 2017 to the Guelph Giants Special Hockey organization.
University of Guelph
Honor
Done in recognition of teaching excellence.
- 2014/3 Honorary class president of the Ontario Veterinary College's Doctor of Veterinary Medicine class of 2017 (Canadian dollar)
University of Guelph
Honor
Voted by class as professor of the year (for teaching immunology).
- 2010/12 Next generation of cancer researchers
Ontario Institute for Cancer Research
Distinction
Featured in the Ontario Institute for Cancer Research 2010 annual report as one of the "next generation of cancer researchers" that is a "rising star" that should be retained in Ontario (see page 20 of report).
Research Disciplines: Immunology
Areas of Research: Vaccine and Cancer
Fields of Application: Biomedical Aspects of Human Health
- 2010/10 Best oral presentation
McMaster University
Prize / Award
1st Annual McMaster University Faculty of Health Sciences Post-Doctoral Research Day
Research Disciplines: Immunology
Areas of Research: Vaccine and Cancer
Fields of Application: Biomedical Aspects of Human Health

- 2009/3
 Poster award
 Ontario Institute for Cancer Research
 Prize / Award
 Award for poster presented at the OICR annual scientific meeting.
 Research Disciplines: Immunology
 Areas of Research: Vaccine and Cancer
 Fields of Application: Biomedical Aspects of Human Health
- 2009/2
 Post-doctoral travel award - 1,500 (Canadian dollar)
 5th International Meeting on Replicating Oncolytic Virus Therapeutics
 Prize / Award
 Travel award to attend the 5th International Meeting on Replicating Oncolytic Virus Therapeutics.
 Research Disciplines: Virology
 Areas of Research: Vaccine and Cancer
 Fields of Application: Biomedical Aspects of Human Health
- 2008/3
 Poster award - 100 (Canadian dollar)
 Ontario Institute for Cancer Research
 Prize / Award
 Award for poster presented at the OICR annual scientific meeting.
 Research Disciplines: Immunology
 Areas of Research: Vaccine and Cancer
 Fields of Application: Biomedical Aspects of Human Health
- 2005/3
 Poster award - 250 (Canadian dollar)
 Canadian Society for Immunology
 Prize / Award
 Canadian Society for Immunology Poster Award for scientific presentation at annual scientific meeting.
 Research Disciplines: Immunology
- 2005/3
 D.G. Ingram Travel Award - 400 (Canadian dollar)
 University of Guelph
 Prize / Award
 Travel award to attend the Canadian Society for Immunology annual scientific meeting.
 Research Disciplines: Immunology
 Areas of Research: Transplantation and Graft Rejection
 Fields of Application: Biomedical Aspects of Human Health
- 2005/3
 Poster award - 250 (Canadian dollar)
 Canadian Society for Immunology
 Prize / Award
 Canadian Society for Immunology poster award for presentation at annual scientific meeting.
 Research Disciplines: Immunology
 Areas of Research: Transplantation and Graft Rejection
 Fields of Application: Biomedical Aspects of Human Health

- 2005/3 Dr. J. Sherman Travel Award - 150 (Canadian dollar)
University of Guelph
Prize / Award
Travel award to attend the Canadian Society for Immunology annual scientific meeting.
Research Disciplines: Immunology
Areas of Research: Transplantation and Graft Rejection
Fields of Application: Biomedical Aspects of Human Health
- 2004/7 American Association of Veterinary Immunologists Travel Award - 1,000 (United States dollar)
American Association of Veterinary Immunologists
Prize / Award
American Association of Veterinary Immunologists travel award to attend the International Congress on Immunology.
Research Disciplines: Immunology
Areas of Research: Transplantation and Graft Rejection
Fields of Application: Biomedical Aspects of Human Health
- 2004/1 Graduate Student Recognition Award
University of Guelph
Distinction
Elected by peers to receive the Ontario Veterinary College Graduate Student Recognition Award for outstanding leadership and contributions.
Research Disciplines: Immunology
- 2004/1 Ontario Veterinary College Travel Award - 500 (Canadian dollar)
University of Guelph
Prize / Award
Ontario Veterinary College travel award to attend the International Congress of Immunology.
Research Disciplines: Immunology
Areas of Research: Transplantation and Graft Rejection
Fields of Application: Biomedical Aspects of Human Health
- 2003/1 Graduate Student Recognition Award
University of Guelph
Prize / Award
Elected by peers to receive the Ontario Veterinary College Graduate Student Recognition Award for leadership and contributions.
Research Disciplines: Immunology
- 2003/1 Dr. F. Schofield Korean-Canadian Scholarship - 2,000 (Canadian dollar)
Korean-Canadian Scholarship Association
Prize / Award
Established by the Dr. Schofield Memorial Association of Korean-Canadian, in partnership with the Korean-Canadian Scholarship Association. The scholarship honours Dr. Frank Schofield's active role in the Korean independence movement, as well as his academic and medical contributions in the early 20th century. It is awarded annually to a student who demonstrates scholarship and contributions to academic life.
Research Disciplines: Immunology

- 2002/9 - 2002/12 University Graduate Scholarship - 500 (Canadian dollar)
University of Guelph
Prize / Award
To recognize academic excellence.
Research Disciplines: Immunology
- 2002/1 - 2002/4 University Graduate Scholarship - 500 (Canadian dollar)
University of Guelph
Prize / Award
To recognize academic excellence.
Research Disciplines: Immunology
- 2001/1 Ontario Veterinary College Travel Award - 500 (Canadian dollar)
University of Guelph
Prize / Award
Travel award to attend the annual scientific meeting of the Canadian Society for Immunology.
Research Disciplines: Immunology
- 1995/9 - 1995/12 University Graduate Scholarship - 500 (Canadian dollar)
University of Guelph
Prize / Award
To recognize academic excellence.
Research Disciplines: Immunology
- 1995/1 - 1995/4 University Graduate Scholarship - 500 (Canadian dollar)
University of Guelph
Prize / Award
To recognize academic excellence.
Research Disciplines: Immunology
- 1990/9 University of Guelph Entrance Scholarship - 1,000 (Canadian dollar)
University of Guelph
Prize / Award
Scholarship awarded for students entering their undergraduate program with an academic average of >90% in secondary school.
- 1990/9 - 1994/4 Canada Scholarship - 8,000 (Canadian dollar)
Government of Canada
Prize / Award
Scholarship to support undergraduate-level university education. Only 1,250 of these scholarships were awarded to men across Canada in 1990. Awarded based on academic merit with semesterly renewal dependent on maintaining high academic standards.
- 1990/9 Wellington County Scholarship - 500 (Canadian dollar)
County of Wellington
Prize / Award
Awarded in recognition of academic excellence.
- 1990/9 Ontario Scholar
Ontario Government
Prize / Award
Awarded to students who maintained an academic average >80% throughout secondary school.

User Profile

Researcher Status: Researcher

Research Career Start Date: 1994/09/06

Engaged in Clinical Research?: No

Key Theory / Methodology: My research crosses the disciplines of immunology and virology. There are two areas of emphasis within my research program: one focuses on human health, the other on basic science. My health-related research is both pre-clinical and translational and aims to develop novel biotherapies for the treatment of cancers. My basic program studies fundamental mechanisms of initiation and regulation of innate anti-viral immunity, with an emphasis on identifying causes of aberrant cytokine storms.

Research Interests: In an effort to destroy malignant cells with minimal bystander damage to normal tissues, I combine two approaches: 1. cancer immunotherapy, which directs the power of the immune system against tumours and, 2. oncolytic virotherapy that utilizes viruses that replicate in and kill only cancerous cells. The exquisite specificity and systemic targeting capability of these two approaches holds promise that some day cancer patients might be effectively treated without the toxicities associated with many conventional therapies. My extensive work with oncolytic viruses has also led to the discovery of a novel mechanism for the negative regulation of complex cytokine networks. This has led to a keen interest in basic aspects of innate antiviral immunity. In summary, my specific interests include: vaccines, oncolytic viruses, immunological tolerance, autoimmunity (to kill cancerous but not normal self), tumour biology, host anti-viral response and antigen presentation.

Research Experience Summary: I am an early-career faculty member, appointed Jan. 3, 2012, in the department of Pathobiology, University of Guelph. Key milestones achieved to date include: 1. Establishing a new viral immunology research program to develop effective new cancer biotherapies and to understand the regulation of cytokine networks in response to viral infections. 2. Using my expertise to fuel local, provincial, national and international collaborations. Research highlights as a post-doctoral fellow at McMaster University included: 1. Discovering that histone deacetylase inhibition can enhance an oncolytic booster vaccine while abrogating autoimmune pathology. 2. Developing a novel method to synergize oncolytic virotherapy with cancer immunotherapy. 3. Advancing the field of cancer vaccinology. As a PhD student I developed a strategy to use oral tolerance to modulate host immunity to facilitate xenotransplantation. I also have significant management experience from industry appointments.

Research Specialization Keywords: immunology, virology, treating cancers in the brain, type I interferon signaling, type I interferon, vaccines, cancer, cytokines, regulation of cytokines, immunotherapy, viruses, flow cytometry

Disciplines Trained In: Immunology, Virology

Research Disciplines: Immunology, Virology

Areas of Research: Immunotherapy, Vaccine and Cancer, Cerebral Tumors, Immune System, Vaccination, Virus

Fields of Application: Pathogenesis and Treatment of Diseases, Biomedical Aspects of Human Health

Employment

2018/1

Associate Professor

Pathobiology, Ontario Veterinary College, University of Guelph

Full-time, Associate Professor

Tenure Status: Tenure

I received tenure in December 2017 and was promoted to the position of Associate Professor, effective July 1, 2018. I specialize in viral immunology and am responsible for training highly qualified personnel, managing a research program, teaching undergraduate, Doctor of Veterinary Medicine and graduate students, and providing community service.

- 2017/10
Goalie Coach
Guelph Giants Special Needs Hockey Club (affil. with Special Hockey International and Hockey Canada)
I am a volunteer coach. I teach children with special needs on the Guelph Giants junior team how to play the goaltending position for ice hockey.
- 2012/1 - 2017/12
Assistant Professor
Pathobiology, Ontario Veterinary College, University of Guelph
Full-time, Assistant Professor
Tenure Status: Tenure Track
A tenure-track early career faculty position, specializing in viral immunology. Responsible for training highly qualified personnel, managing a research program, teaching undergraduate, Doctor of Veterinary Medicine and graduate students, and providing community service.
Research Disciplines: Immunology, Virology
Areas of Research: Vaccine and Cancer, Immunotherapy, Vaccination, Virus, Immune Mediators: Cytokines and Chemokines, Auto-Immune Diseases, Cerebral Tumors, Leukemia
Fields of Application: Biomedical Aspects of Human Health
- 2005/9 - 2011/12
Post-doctoral fellow
Pathology and Molecular Medicine, Medicine, McMaster University
Full-time
Tenure Status: Non Tenure Track
McMaster Immunology Research Centre, McMaster University Advisor: Dr. Yonghong Wan Research: Developed expertise in the areas of cancer immunotherapy and oncolytic viruses for the purpose of rationally designing novel vaccine strategies for treating cancers and infectious diseases. Emphases: brain cancer, neuroimmunology, T and B cell biology and a diverse array of research techniques and analytical methods. Strategic collaborations: virologists, immunologists, nuclear imaging scientists who were interested in using brain cancer models as imaging tools, mathematics department (to model biological findings), McMaster Industry Liason Office (intellectual property interests), University of Ottawa, Ontario Institute for Cancer Research. I also gained some experience co-supervising graduate and undergraduate students.
Research Disciplines: Immunology, Virology
Areas of Research: Vaccine and Cancer, Immunotherapy, Virus, Cerebral Tumors
Fields of Application: Biomedical Aspects of Human Health
- 2000/1 - 2005/10
Research Assistant
Pathobiology, Ontario Veterinary College, University of Guelph
Full-time
Tenure Status: Non Tenure Track
PhD research project. Advisor: Dr. Bonnie Mallard Collaboration between the University of Guelph and University of Western Ontario. Developed strategies to suppress and modulate rat immune responses against porcine cells in support of xenotransplantation research.
Research Disciplines: Immunology
Areas of Research: Transplantation and Graft Rejection
Fields of Application: Biomedical Aspects of Human Health

- 1999/7 - 2000/12
 Research Project Manager
 Pathobiology, Ontario Veterinary College, University of Guelph
 Full-time
 Tenure Status: Non Tenure Track
 Managed a xenotransplantation research project that represented collaboration between the Universities of Guelph, Western Ontario and Toronto and Imutran (former subsidiary of Novartis) for the purpose of breeding transgenic pigs to be used as organ/tissue donors.
 Research Disciplines: Immunology
 Areas of Research: Transplantation and Graft Rejection
 Fields of Application: Biomedical Aspects of Human Health
- 1999/1 - 1999/6
 Quality Control Laboratory Technician
 Microbiology Quality Control Laboratory, Schneider's Meats, Ltd., Kitchener
 Full-time
 Quality control testing in a microbiology laboratory to monitor safety of meat products.
 Research Disciplines: Microbiology
- 1997/5 - 1998/12
 Research Project Manager
 International Bio-Institute, Fergus, Ontario
 Full-time
 Obtained GLP (good laboratory practices) certification for research division. Managed veterinary drug efficacy and safety pre-clinical trials for submissions to the Canadian Bureau of Veterinary Drugs and the U.S.A. Food and Drug Administration. Also established a small ELISA (enzyme-linked immunosorbent assay)-based diagnostic laboratory.
 Research Disciplines: Veterinary Sciences
 Areas of Research: Infectious Diseases
 Fields of Application: Pathogenesis and Treatment of Diseases
- 1994/9 - 1997/4
 Research Assistant
 Pathobiology, Ontario Veterinary College, University of Guelph
 Full-time
 Tenure Status: Non Tenure Track
 MSc research project. Advisor: Dr. Azad Kaushik Characterized the influence of age and strain on the peripheral blood lymphocytes of commercially raised chickens.
 Research Disciplines: Immunology
 Areas of Research: Animal
 Fields of Application: Pathogenesis and Treatment of Diseases
- 1994/5 - 1994/8
 Undergraduate Research Assistant
 Pathobiology, Ontario Veterinary College, University of Guelph
 Full-time
 Tenure Status: Non Tenure Track
 Cloned and sequenced antibody variable region genes from lupus-prone mice in support of an autoimmunity research project. Sequences were subsequently published. Advisor: Dr. Azad Kaushik
 Research Disciplines: Immunology
 Areas of Research: Antibodies, Auto-Immune Diseases
 Fields of Application: Biomedical Aspects of Human Health

1993/5 - 1993/8 Undergraduate Research Assistant
 Food Science, Ontario Veterinary College, University of Guelph
 Full-time
 Tenure Status: Non Tenure Track
 Studying the viscoelastic properties of acid milk gels using a nametre. Supervisor: Dr. Arthur Hill

Research Disciplines: Biology and Related Sciences

Areas of Research: Nutraceuticals and Functional Foods

Fields of Application: Industrial Manufacturing and Production

Affiliations

The primary affiliation is denoted by (*)

(*) 2018/1 Associate Professor, Pathobiology, University of Guelph

2012/1 - 2017/12 Assistant Professor, Pathobiology, University of Guelph
 A tenure-track early career faculty specializing in viral immunology. Responsible for educating students, managing a research program that results in publishing independent academic work in scholarly peer-reviewed journals and providing community service.

Research Funding History

Awarded [n=40]

2019/3 - 2024/2 Combined Anti-Angiogenic, Metronomic Chemotherapy, and Immunotherapy in the Treatment of Advanced Stage Ovarian Cancer, Grant
 Co-applicant

Funding Sources:

2019/4 - 2024/3 Canadian Institutes of Health Research (CIHR)
 Project Grant
 Total Funding - 725,000 (Canadian dollar)
 Portion of Funding Received - 100,000
 Funding Competitive?: Yes

Co-applicant : Jack Lawler; Sarah K. Wootton;

Principal Applicant : James J. Petrik

2021/9 - 2023/8 Oxidative Stress as a Mechanism Causing Off-Target Infections of T Cells with Oncolytic Viruses (student stipend support), Scholarship
 Principal Investigator

Funding Sources:

2021/9 - 2023/8 Ontario Veterinary College (OVC)
 Master's Scholarship
 Total Funding - 30,000 (Canadian dollar)

Principal Applicant : Sierra Vanderkamp

2020/7 - 2023/6 Characterization of Innate Lymphoid Cells in Canine Blood, Grant
 Co-applicant

Funding Sources:

OVC Pet Trust
 Operating Grant
 Total Funding - 16,100
 Portion of Funding Received - 0
 Funding Competitive?: Yes

| | |
|---|---|
| 2020/7 - 2023/6 Co-applicant | <p>Co-applicant : Dr. Samuel Hocker; Principal Investigator : Dr. Khalil Karimi</p> <p>The use of SPECTRA OPTIA, Apheresis System from TERUMO, in Veterinary Medicine, Grant</p> <p>Funding Sources:</p> <p>OVC Pet Trust Equipment Grant Total Funding - 40,000 Portion of Funding Received - 0 Funding Competitive?: Yes</p> |
| 2020/9 - 2022/8 Principal Investigator | <p>Principal Investigator : Dr. Alice Defarges</p> <p>OVC MSc Scholarship, Scholarship</p> <p>Funding Sources:</p> <p>2020/9 - 2022/8 Ontario Veterinary College (OVC) MSc Graduate Scholarship Total Funding - 30,000 (Canadian dollar)</p> |
| 2020/9 - 2022/8 Principal Applicant | <p>Principal Applicant : Lily Chan</p> <p>Advancing a Promising Infected Cancer Cell Vaccine Platform into the Translational Research Pipeline, Grant</p> <p>Funding Sources:</p> <p>Cancer Research Society (The) Operating Grant Total Funding - 120,000 Portion of Funding Received - 120,000 Funding Competitive?: Yes</p> |
| 2017/7 - 2022/6 Co-applicant | <p>Co-applicant : Dr. Sarah K. Wootton</p> <p>Vascular Normalization as a Mechanism to Increase Oncolytic Virus Spread and Efficacy (a sub-project within a Program Project Grant that was awarded by the Terry Fox Research Institute to the Canadian Oncolytic Virus Consortium [\$7,396,160]), Grant</p> <p>Funding Sources:</p> <p>2017/7 - 2022/3 Terry Fox Research Institute (TFRI) Program Project Grant Total Funding - 314,460 (Canadian dollar) Portion of Funding Received - 314,460 Funding Competitive?: Yes</p> |
| 2020/3 - 2022/3 Principal Applicant | <p>Developing Prophylactic Virus-Vectored Vaccines for COVID-19, Grant</p> <p>Funding Sources:</p> <p>Ontario Ministry of Colleges and Universities COVID-19 Rapid Research Fund Total Funding - 231,888 Portion of Funding Received - 231,888 Funding Competitive?: Yes</p> |
| 2019/3 - 2022/2 Co-applicant | <p>Co-investigator : Dr. Leonardo Susta; Dr. Sarah K. Wootton</p> <p>AAV Gene Therapy for the Treatment of Surfactant Protein B Deficiency, Grant</p> |

Funding Sources:

2019/3 - 2024/2 Canadian Institutes of Health Research (CIHR)
Project Grant
Total Funding - 620,000 (Canadian dollar)
Portion of Funding Received - 30,000
Funding Competitive?: Yes

Co-applicant : Bernard Thébaud; Martin Kang;

Collaborator : Jeffrey Whitsett; Laura van Lieshout; Lawrence Noguee;

Principal Applicant : Sarah K. Wootton

2020/12 - 2021/12 Translational Development of an Avian Orthoavulavirus-1-Vectored Vaccine for
Principal Investigator COVID-19, Grant

Funding Sources:

National Research Council Canada (NRC) (Ottawa, ON)
Pandemic Response Challenge Program
Total Funding - 444,000
Portion of Funding Received - 319,000
Funding Competitive?: Yes

Co-investigator : Leonardo Susta; Sarah K. Wootton

2019/9 - 2021/8 Nora Cebotarev Memorial Graduate Scholarship (student stipend funding), Scholarship
Principal Investigator

Funding Sources:

2019/9 - 2021/8 University of Guelph
Nora Cebotarev Memorial Graduate Scholarship
Total Funding - 25,000 (Canadian dollar)

Principal Applicant : Jessica Minott

2020/9 - 2021/8 Ontario Graduate Scholarship (student stipend funding), Scholarship
Principal Investigator

Funding Sources:

2020/9 - 2021/8 Ontario Ministry of Colleges and Universities
Total Funding - 15,000 (Canadian dollar)

Principal Applicant : Jessica Minott

2021/5 - 2021/8 Andrea Leger Dunbar Summer Studentship (student salary funding), Scholarship
Principal Investigator

Funding Sources:

2021/5 - 2021/8 Ontario Veterinary College (OVC)
Andrea Leger Dunbar Summer Studentship
Total Funding - 9,000 (Canadian dollar)

Principal Applicant : Christina Napoleoni

2018/7 - 2021/6 Developing Biotherapies for the Treatment of Canine Cancers, Grant
Principal Investigator

Funding Sources:

2018/1 - 2022/12 Private Donation
private donation
Total Funding - 1,500 (Canadian dollar)
Portion of Funding Received - 1,500
Funding Competitive?: No

2018/6 - 2021/5 PD-1 Expression on Blood Leukocytes in Dogs with Bladder Cancer, Grant
Co-applicant

Funding Sources:

2018/4 - 2021/3 Pet Trust Fund (The)
 Operating Grant
 Total Funding - 27,584 (Canadian dollar)
 Portion of Funding Received - 6,896
 Funding Competitive?: Yes

Co-applicant : Anthony Mutsaers;

Principal Applicant : Samuel Hocker

2018/1 - 2021/1
 Co-investigator

Oncolytic Viral Vaccine Therapy of Feline Mammary Carcinoma, Grant

Funding Sources:

2018/1 - 2021/1 Pet Trust Fund (The)
 Operating Grant
 Total Funding - 7,668 (Canadian dollar)
 Portion of Funding Received - 1,534
 Funding Competitive?: Yes

Co-applicant : Michelle Oblak; Robert Foster;

Co-investigator : Geoffrey Wood;

Principal Applicant : J. Paul Woods

2020/3 - 2021/1
 Co-investigator

Developing Prophylactic Virus-Vectored Vaccines for COVID-19, Grant

Funding Sources:

University of Guelph, Ontario Veterinary College and Department of
 Pathobiology
 Seed funding for COVID-19 research
 Total Funding - 20,000
 Portion of Funding Received - 20,000
 Funding Competitive?: Yes

Co-investigator : Dr. Sarah K. Wootton;

Principal Applicant : Dr. Leonardo Susta

2020/5 - 2020/8
 Principal Investigator

NSERC Undergraduate Student Research Assistantship (student salary funding),
 Scholarship

Funding Sources:

2020/5 - 2020/8 Natural Sciences and Engineering Research Council of Canada
 (NSERC)
 Undergraduate Research Assistantship
 Total Funding - 4,500 (Canadian dollar)

Principal Applicant : Lily Chan

2018/9 - 2020/8
 Principal Applicant

Treatment of Osteosarcoma Lung Metastases with an Infected Cancer Cell Vaccine, Grant

Funding Sources:

2018/9 - 2021/8 Cancer Research Society (The)
 Operating Grant
 Total Funding - 60,000 (Canadian dollar)
 Portion of Funding Received - 60,000
 Funding Competitive?: Yes

2018/9 - 2021/8 Canadian Institutes of Health Research (CIHR)
 CRS Operating Grant (jointly funded)
 Total Funding - 62,086 (Canadian dollar)
 Portion of Funding Received - 62,086
 Funding Competitive?: Yes

Co-applicant : Sarah K. Wootton

2018/9 - 2020/8
 Principal Applicant Combining Oncolytic Virotherapy and Epigenetic Modifiers to Treat Acute Leukemias,
 Grant

Funding Sources:

2019/8 - 2021/7 Canadian Institutes of Health Research (CIHR)
 CCS-RI Innovation Grant (jointly funded)
 Total Funding - 100,000 (Canadian dollar)
 Portion of Funding Received - 100,000
 Funding Competitive?: Yes

2018/8 - 2021/7 Canadian Cancer Society Research Institute (CCSRI)
 Innovation Grant
 Total Funding - 105,215 (Canadian dollar)
 Portion of Funding Received - 105,215
 Funding Competitive?: Yes

2017/9 - 2020/8
 Principal Investigator Enhancing Immunogenic Cancer Cell Death Through the Novel Combination of Oncolytic
 Viruses and Photodynamic Therapy (student stipend support), Scholarship

Funding Sources:

2017/9 - 2020/8 Canadian Institutes of Health Research (CIHR)
 Vanier Scholarship
 Total Funding - 150,000 (Canadian dollar)
 Portion of Funding Received - 33,000
 Funding Competitive?: Yes

Principal Applicant : Ashley Ross;

Principal Investigator : Sarah Wootton

2020/5 - 2020/8
 Principal Investigator Andrea Leger Dunbar Summer Studentship (student salary funding), Scholarship

Funding Sources:

2020/5 - 2020/8 University of Guelph
 Andrea Leger Dunbar Summer Studentship
 Total Funding - 9,000 (Canadian dollar)

Principal Applicant : Kiersten Hanada

2019/9 - 2020/8
 Principal Investigator Ellen Nilsen Memorial Graduate Scholarship (student stipend funding), Scholarship

Funding Sources:

2019/9 - 2020/8 University of Guelph
 Ellen Nilsen Memorial Graduate Scholarship
 Total Funding - 1,500 (Canadian dollar)

Principal Applicant : Jessica Minott

2018/9 - 2020/8
 Principal Investigator Combining Oncolytic Viruses with Epigenetic Modifiers to Treat Acute Myeloid Leukemias
 (student stipend support), Scholarship

Funding Sources:

2018/9 - 2020/12 Ontario Veterinary College (OVC)
 Graduate Scholarship
 Total Funding - 37,000 (Canadian dollar)
 Portion of Funding Received - 37,000
 Funding Competitive?: Yes

Principal Applicant : Elaine Klafuric

2020/5 - 2020/8 BioCanRx Summer Studentship (student salary funding), Scholarship
 Principal Investigator

Funding Sources:

2020/5 - 2020/8 National Centre of Excellence in Biotherapeutics for Cancer
 Treatment
 Summer Studentship
 Total Funding - 8,000 (Canadian dollar)

Principal Applicant : Lily Chan

2017/7 - 2020/6 Developing Biotherapies for the Treatment of Canine Cancers, Grant
 Principal Investigator

Funding Sources:

2017/7 - 2020/6 Private Donation
 private donation
 Total Funding - 1,000 (Canadian dollar)
 Portion of Funding Received - 1,000
 Funding Competitive?: No

2017/7 - 2020/6 Synthesis of a Novel Oncolytic Newcastle Disease Virus to Support the Treatment of
 Co-applicant Companion Animal Cancer Patients, Grant

Funding Sources:

2017/6 - 2020/6 Pet Trust Fund (The)
 Operating Grant
 Total Funding - 25,000 (Canadian dollar)
 Portion of Funding Received - 5,000
 Funding Competitive?: Yes

Co-applicant : Sarah Wootton;

Principal Applicant : Leonardo Susta

2018/1 - 2019/12 The Role of Interleukin-17-Producing Cells in the Pathophysiology of Canine Immune
 Co-investigator Mediated Hemolytic Anemia, Grant

Funding Sources:

2018/1 - 2021/1 Pet Trust Fund (The)
 Operating Grant
 Total Funding - 10,583 (Canadian dollar)
 Portion of Funding Received - 1,764
 Funding Competitive?: Yes

Co-investigator : Anthony Abrams-Ogg; Darren Wood; Dorothee Bienzle; Geoffrey Wood;

Principal Applicant : Shauna Blois

2019/5 - 2019/8 Undergraduate Research Assistantship (student salary funding), Scholarship
 Principal Investigator

Funding Sources:

2019/5 - 2019/8 University of Guelph
Undergraduate Research Assistantship
Total Funding - 8,000 (Canadian dollar)

Principal Applicant : Lily Chan

2017/9 - 2019/8
Co-applicant

Vascular Normalization as a Mechanism to Increase Uptake and Efficacy of Oncolytic Viruses and Vaccine-Induced Effector Cells for the Treatment of Advanced Stage Ovarian Cancer, Grant

Funding Sources:

2017/9 - 2019/8 Cancer Research Society (The)
Operating Grant
Total Funding - 120,000 (Canadian dollar)
Portion of Funding Received - 30,000
Funding Competitive?: Yes

Co-applicant : Sarah Wootton;

Principal Applicant : James Petrik

2018/9 - 2019/4
Principal Investigator

The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy (student stipend support), Scholarship

Funding Sources:

2018/9 - 2019/4 Ontario Graduate Scholarship
Graduate Scholarship
Total Funding - 10,000 (Canadian dollar)
Portion of Funding Received - 5
Funding Competitive?: Yes

Principal Applicant : Jacob van Vloten;

Principal Investigator : Sarah K. Wootton

2014/4 - 2019/3
Principal Applicant

Developing Novel Cancer Biotherapies: Infrastructure to Support Translational Research in Companion Animals, Grant

Funding Sources:

2014/4 - 2019/3 Ministry of Research and Innovation (MRI) (Ontario)
Ontario Research Fund - Research Infrastructure Program
Total Funding - 124,886 (Canadian dollar)
Portion of Funding Received - 124,886
Funding Competitive?: Yes

2013/4 - 2019/3
Principal Applicant

Type I Interferon Receptor Signalling as a Master Switch for the Negative Regulation of Cytokine Networks, Grant

Funding by Year:

2013/7 - 2018/6 Total Funding - 175,000
Portion of Funding Received - 175,000
Time Commitment: 16

2015/4 - 2019/3
Principal Applicant

Development of Cutting-Edge Biotherapies for the Treatment of Cancers, Grant

Funding Sources:

2015/4 - 2018/3 Terry Fox Research Institute (TFRI)
 New Investigator Award
 Total Funding - 449,587 (Canadian dollar)
 Portion of Funding Received - 449,587
 Funding Competitive?: Yes

2016/3 - 2019/2 Developing Biotherapies for the Treatment of Canine Cancers, Grant

Principal Investigator

Funding Sources:

2016/3 - 2019/2 Private Donation
 private donation
 Total Funding - 400 (Canadian dollar)
 Portion of Funding Received - 400
 Funding Competitive?: No

2016/1 - 2019/1 Construction and Validation of Viral-Vectored Vaccines to Induce Robust Tumour-Specific
 T Cell Responses in Dogs with Oral Melanomas, Grant

Principal Applicant

Funding Sources:

2016/1 - 2019/1 Pet Trust Foundation
 Operating Grant
 Total Funding - 12,265 (Canadian dollar)
 Portion of Funding Received - 12,265
 Funding Competitive?: Yes

2016/7 - 2018/12 Accelerated Clinical Development of Synthetic Antibody Immuno-Modulators Through
 Companion Animal Trials (the "total funding" represents the amount awarded to B. Bridle;
 Co-applicant the award for both applicants was \$708,893), Grant

Funding Sources:

2016/7 - 2018/6 National Centre of Excellence in Biotherapeutics for Cancer
 Treatment (BioCanRx)
 Enabling Grant
 Total Funding - 351,361 (Canadian dollar)
 Portion of Funding Received - 319,261
 Funding Competitive?: Yes

Principal Applicant : Jason Moffat

2016/9 - 2018/12 The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic
 Principal Investigator Virotherapy (student stipend support), Scholarship

Funding Sources:

2016/9 - 2018/12 Ontario Veterinary College (OVC)
 Graduate Scholarship
 Total Funding - 21,000 (Canadian dollar)
 Portion of Funding Received - 21,000
 Funding Competitive?: Yes

Principal Applicant : Jacob van Vloten;

Principal Investigator : Sarah K. Wootton

2015/9 - 2018/8 Art Rouse Cancer Biology Graduate Stipend (student stipend support), Scholarship
 Principal Investigator

Funding Sources:

2015/9 - 2018/8 Ontario Veterinary College (OVC)
 Art Rouse Cancer Biology Graduate Stipend
 Total Funding - 60,000 (Canadian dollar)
 Portion of Funding Received - 60,000
 Funding Competitive?: Yes

Principal Applicant : Robert Mould (PhD student)

2016/9 - 2018/8 Sex Disparity in Innate Immune Responses to Viral Infection: the Role of Type I Interferon
 Principal Investigator (student stipend support), Scholarship

Funding Sources:

2016/9 - 2018/8 University of Guelph
 Graduate Tuition Scholarship
 Total Funding - 32,000 (Canadian dollar)
 Portion of Funding Received - 5,333
 Funding Competitive?: Yes

Principal Applicant : Katrina Allison (MSc student)

Completed [n=39]

2018/5 - 2018/8 Assessing the Impact of Sex Hormones on the Efficacy of Oncolytic Viruses (\$8,000 for
 Principal Investigator student salary support; \$1,000 for operating funds), Scholarship

Funding Sources:

Ontario Veterinary College (OVC)
 Andrea Leger Dunbar Summer Research Studentship
 Total Funding - 9,000
 Portion of Funding Received - 9,000
 Funding Competitive?: Yes

Co-investigator : Jessica Minott

2018/5 - 2018/8 Type I Interferon-Mediated Regulation of IL-17 Production by Mast Cells (student salary
 Principal Investigator support), Scholarship

Funding Sources:

Natural Sciences and Engineering Research Council of Canada
 (NSERC)
 Undergraduate Student Research Assistantship
 Total Funding - 4,400
 Portion of Funding Received - 4,400
 Funding Competitive?: Yes

Principal Applicant : Elaine Klafuric

2018/5 - 2018/8 Combining Oncolytic Virotherapy with Epigenetic Modifiers to Treat Lymphomas (student
 Principal Investigator salary support), Scholarship

Funding Sources:

National Centre of Excellence in Biotherapeutics for Cancer
 Treatment (BioCanRx)
 Summer Studentship
 Total Funding - 6,000
 Portion of Funding Received - 6,000
 Funding Competitive?: Yes

- Principal Applicant : Samantha Holtz
- 2015/6 - 2018/4
Co-applicant Development of a Vaccine to Protect Against Toxoplasma gondii Infection in Sheep, Grant
- Funding Sources:**
2015/6 - 2018/4 Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA)
Tier I Operating Grant (Production Animal Systems)
Total Funding - 59,250 (Canadian dollar)
Portion of Funding Received - 14,813
Funding Competitive?: Yes
- Co-applicant : John Barta; Paula Menzies;
Principal Applicant : Sarah K. Wootton
- 2017/5 - 2017/8
Principal Investigator Assessing the Impact of an Acidic Tumour Microenvironment on the Efficacy of Oncolytic Viruses (student salary support), Scholarship
- Funding Sources:**
Natural Sciences and Engineering Research Council of Canada (NSERC)
Undergraduate Student Research Assistantship
Total Funding - 4,400
Portion of Funding Received - 4,400
Funding Competitive?: Yes
- Principal Applicant : Julia Saturno
- 2016/9 - 2017/8
Principal Investigator The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy (student stipend support), Scholarship
- Funding Sources:**
2016/9 - 2017/8 Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA)
Highly Qualified Personnel PhD Scholarship
Total Funding - 21,000 (Canadian dollar)
Portion of Funding Received - 10,500
Funding Competitive?: Yes
- Principal Applicant : Jacob van Vloten (PhD student; co-advised);
Principal Investigator : Sarah K. Wootton
- 2017/5 - 2017/8
Principal Investigator Enhancing Dendritic Cell-Based Anti-Cancer Vaccines Through Adaptation to a Hypoxic Microenvironment (student salary support), Scholarship
- Funding Sources:**
National Centre of Excellence in Biotherapeutics for Cancer Treatment (BioCanRx)
Summer Studentship
Total Funding - 6,000
Portion of Funding Received - 6,000
Funding Competitive?: Yes
- Principal Applicant : Mankerat Singh;
Principal Investigator : Khalil Karimi
- 2014/9 - 2017/8
Principal Investigator Using Oncolytic Viruses to Potentiate Histone Deacetylase Inhibitor-Mediated Killing of Acute Lymphoblastic Leukemia B Cells (student stipend support), Scholarship

Funding Sources:

2014/9 - 2017/8 Ontario Veterinary College
 PhD Scholarship
 Total Funding - 42,000 (Canadian dollar)
 Portion of Funding Received - 42,000
 Funding Competitive?: Yes

Principal Applicant : Megan Whaley (PhD student)

2016/9 - 2017/8 Augmentation of a Canine Melanoma Vaccine with Immunomodulatory Antibodies
 Principal Investigator (student stipend support), Scholarship

Funding Sources:

2016/9 - 2017/8 Canadian Institutes of Health Research (CIHR)
 Canada Graduate Scholarship - Master's
 Total Funding - 17,500 (Canadian dollar)
 Portion of Funding Received - 17,500
 Funding Competitive?: Yes

Principal Applicant : Wing Ka "Amanda" AuYeung (MSc student)

2016/9 - 2017/8 Support for Development of Novel Cancer Biotherapies, Grant
 Co-applicant

Funding Sources:

2016/9 - 2016/12 Private donation
 Private donation
 Total Funding - 25,000 (Canadian dollar)
 Portion of Funding Received - 8,333
 Funding Competitive?: No

Co-applicant : James Petrik;

Principal Applicant : Sarah Wootton

2014/6 - 2017/6 Assessment of Canine Melanoma Samples from the Ontario Veterinary College-
 Principal Applicant Companion Animal Tumour Bank for Expression of Antigens that can be Targeted with an
 Oncolytic Cancer Vaccine, Grant

Funding Sources:

2014/6 - 2015/5 Pet Trust Fund (The)
 Operating Grant
 Total Funding - 11,593 (Canadian dollar)
 Portion of Funding Received - 11,593
 Funding Competitive?: Yes

2016/1 - 2016/12 Support for Development of Novel Cancer Biotherapies, Grant
 Co-applicant

Funding Sources:

2016/1 - 2016/12 Private donation
 Private donation
 Total Funding - 50,000 (Canadian dollar)
 Portion of Funding Received - 16,667
 Funding Competitive?: No

Co-applicant : James Petrik;

Principal Applicant : Sarah Wootton

2015/9 - 2016/8 Augmentation of a Canine Melanoma Vaccine with Immunomodulatory Antibodies
 Principal Investigator (student stipend support), Scholarship

Funding Sources:

2015/9 - 2016/8 Pet Trust Foundation
 OVC Pet Trust Scholar Program
 Total Funding - 35,000 (Canadian dollar)
 Portion of Funding Received - 18,500
 Funding Competitive?: Yes

Principal Applicant : Wing Ka "Amanda" Au Yeung (MSc student)

2016/5 - 2016/8 Evaluating the Impact of Oxygen Level, Temperature and pH on the Oncolytic Potential of
 Principal Applicant Viruses and Epigenetic Modifiers in Canine Osteosarcoma Cells (student salary support),
 Scholarship

Funding Sources:

2016/5 - 2016/8 Zoetis Canada
 Summer Student Research Fund
 Total Funding - 8,000 (Canadian dollar)
 Portion of Funding Received - 8,000
 Funding Competitive?: Yes

Co-applicant : Manali Desai (summer research assistant)

2016/5 - 2016/8 Type I Interferon Signalling as a Master Switch for the Negative Regulation of a Broad
 Principal Investigator Array of Cytokines (student salary support), Scholarship

Funding Sources:

2016/5 - 2016/8 Natural Sciences and Engineering Research Council of Canada
 (NSERC)
 Undergraduate Student Research Award
 Total Funding - 4,400 (Canadian dollar)
 Portion of Funding Received - 4,400
 Funding Competitive?: Yes

Principal Applicant : Katrina Allison (summer research assistant)

2016/5 - 2016/8 Temperature as a Confounding Variable in Oncolytic Virotherapy for Canine Melanomas
 Principal Applicant (student salary support), Scholarship

Funding Sources:

2016/5 - 2016/8 Merial
 Summer Research Assistantship
 Total Funding - 8,000 (Canadian dollar)
 Portion of Funding Received - 8,000
 Funding Competitive?: Yes

Co-applicant : Julia Saturno (summer research assistant)

2015/9 - 2016/8 The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic
 Principal Investigator Virotherapy (student stipend support), Scholarship

Funding Sources:

2015/9 - 2016/8 Natural Sciences and Engineering Research Council of Canada
 (NSERC)
 Graduate Scholarship
 Total Funding - 21,000 (Canadian dollar)
 Portion of Funding Received - 10,500
 Funding Competitive?: Yes

Principal Applicant : Jacob van Vloten (PhD student; co-advised);

- Principal Investigator : Sarah K. Wootton
- 2014/9 - 2016/8
Principal Applicant Evaluation of Adjunct Oncolytic Immunotherapy in a Canine Lymphoma Clinical Trial, Grant
- Funding Sources:**
2014/6 - 2016/5 Cancer Research Society (The)
Operating Grant
Total Funding - 120,000 (Canadian dollar)
Portion of Funding Received - 120,000
Funding Competitive?: Yes
- Co-applicant : J. Paul Woods
- 2014/8 - 2016/6
Co-applicant Oncolytic Viral Vaccine Therapy of Breast Carcinoma, Grant
- Funding Sources:**
2014/6 - 2016/5 Canadian Breast Cancer Foundation (CBCF)
Research Project Grant Program
Total Funding - 298,416 (Canadian dollar)
Portion of Funding Received - 59,472
Funding Competitive?: Yes
- Co-applicant : J. Paul Woods;
- Principal Applicant : Brian D. Lichty
- 2015/7 - 2016/6
Co-applicant Accelerated Clinical Development of Synthetic Antibody Immuno-Modulators Through Companion Animal Trials, Grant
- Funding Sources:**
2015/7 - 2016/6 National Centre of Excellence in Biotherapeutics for Cancer Treatment (BioCanRx)
Enabling Grant
Total Funding - 143,716 (Canadian dollar)
Portion of Funding Received - 32,100
Funding Competitive?: Yes
- Principal Applicant : Jason Moffat
- 2014/9 - 2015/8
Principal Investigator The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy (student stipend support), Scholarship
- Funding Sources:**
2014/9 - 2015/8 Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA)
Highly Qualified Personnel PhD Scholarship
Total Funding - 21,000 (Canadian dollar)
Portion of Funding Received - 10,500
Funding Competitive?: Yes
- Principal Applicant : Jacob van Vloten (PhD student; co-advised);
- Principal Investigator : Sarah K. Wootton
- 2013/9 - 2015/8
Principal Investigator The Role of Type I Interferon Receptor-Mediated Signaling in the Regulation of Cytokines Produced by Dendritic Cells (student stipend support), Scholarship

Funding Sources:

2013/9 - 2015/8 University of Guelph
 Ontario Veterinary College MSc Fellowship
 Total Funding - 30,000 (Canadian dollar)
 Portion of Funding Received - 30,000
 Funding Competitive?: Yes

Funding by Year:

2013/9 - 2015/8 Total Funding - 30,000
 Portion of Funding Received - 30,000
 Time Commitment: 0

Principal Applicant : Alexandra Rasiuk (MSc student)

2015/5 - 2015/8
 Principal Applicant Transient Lymphopenia as a Mechanism to Allow an Oncolytic Virus to Replicate Inside a Tumour Despite Vaccination Against a Virus-Encoded Antigen (student salary support), Scholarship

Funding Sources:

2015/5 - 2015/8 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Undergraduate Student Research Assistantship
 Total Funding - 4,400 (Canadian dollar)
 Portion of Funding Received - 4,400
 Funding Competitive?: Yes

Co-applicant : Wing Ka "Amanda" Au Yeung (summer student)

2014/9 - 2015/8
 Principal Investigator Using Virus-Infected Dendritic Cells as Cancer Vaccines (student stipend support), Scholarship

Funding Sources:

2014/9 - 2016/8 University of Guelph
 Graduate Research Assistant Tuition Supplement
 Total Funding - 8,000 (Canadian dollar)
 Portion of Funding Received - 8,000
 Funding Competitive?: No

Principal Applicant : Robert Mould (MSc student)

2015/5 - 2015/8
 Principal Applicant Assessment of the Potential to Treat Canine Cancers with an Oncolytic Vaccine (student salary support), Scholarship

Funding Sources:

2015/5 - 2015/8 Zoetis Canada
 Zoetis Summer Student Research Fund
 Total Funding - 8,000 (Canadian dollar)
 Portion of Funding Received - 8,000
 Funding Competitive?: Yes

Co-applicant : Julia Kim (summer student)

2014/8 - 2015/7
 Principal Applicant Replacement of a Core Facility's Heavily-Used, 22-Year-Old Analytical Flow Cytometer for Which Parts and Service are no Longer Guaranteed, Grant

Funding Sources:

2014/8 - 2015/7 Natural Sciences and Engineering Research Council of Canada
(NSERC)
Research Tools and Infrastructure
Total Funding - 103,249 (Canadian dollar)
Portion of Funding Received - 34,417
Funding Competitive?: Yes

Co-applicant : Brandon Plattner; Dorothee Bienzle

2013/7 - 2015/6
Principal Applicant

In Vitro Efficacy Testing of Oncolytic Viruses, Grant

Funding Sources:

2013/7 - 2015/6 Private donation
Private donation
Total Funding - 15,000 (Canadian dollar)
Portion of Funding Received - 15,000
Funding Competitive?: No

2012/6 - 2015/5
Principal Investigator

Assessment of the Potential to Treat Canine Lymphoma with an Oncolytic Vaccine, Grant,
Operating

Clinical Research Project?: No

Project Description: We have published a strategy to synergize immunotherapy and oncolytic virotherapy, leading to durable cures in mouse models of cancer. To translate our success into a future canine lymphoma clinical trial, we must conduct preliminary studies to demonstrate safety and efficacy. This proposal has four aims: 1. prove that oncolytic immunotherapy is safe in dogs, 2. show that robust tumour-specific immune responses can be induced, 3. confirm expression of the targeted tumour antigen on canine lymphomas, and 4. show that effector mechanisms mediated by the treatment can kill lymphoma cells. This will provide the scientific rationale for a future clinical dog lymphoma trial. It will also allow us to get a permit for field testing from the Canadian Food Inspection Agency (CFIA), which is required before clinical testing of oncolytic viruses in pets.
Research Uptake: The goal of this research is to translate the findings into a clinical veterinary trial in which dogs with lymphoma will be treated. This will serve two purposes. It will provide a direct, practical benefit to pet owners and will serve as an intermediate animal model in support of a broad collaborative effort to test oncolytic vaccines in human clinical trials. Findings from these studies will also be disseminated via submission for publication in peer-reviewed journals.

Research Uptake Stakeholders: Academic Personnel

Research Settings: Canada (Urban)

Funding Sources:

2012/6 - 2015/5 Pet Trust Fund (The)
Operating Grant
Total Funding - 45,016 (Canadian dollar)
Portion of Funding Received - 100 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

Funding by Year:

2012/9 - 2013/8 Total Funding - 45,016 (Canadian dollar)
Portion of Funding Received - 100 (Canadian dollar)
Time Commitment: 6

Research Disciplines: Immunology, Virology

Areas of Research: Vaccine and Cancer, Immunotherapy

Fields of Application: Biomedical Aspects of Human Health

Co-investigator : Dr. J. Paul Woods

2014/9 - 2015/4
Principal Applicant

Testing the Efficacy of Cancer Therapeutics in Ovarian and Mammary Carcinoma Cells (student salary support), Scholarship

Funding Sources:

2014/9 - 2015/4 University of Guelph
Work-Study
Total Funding - 2,210 (Canadian dollar)
Portion of Funding Received - 2,210
Funding Competitive?: No

Co-applicant : Wing Ka "Amanda" Au Yeung (undergraduate student)

2012/9 - 2014/8
Principal Investigator

Characterizing a Novel Immuno-evasion Strategy for Brain Cancer and How to Circumvent It (student stipend support), Scholarship

Funding Sources:

2012/9 - 2014/8 University of Guelph
Ontario Veterinary College MSc Scholarship
Total Funding - 30,000 (Canadian dollar)
Portion of Funding Received - 30,000
Funding Competitive?: Yes

Funding by Year:

2012/9 - 2014/8 Total Funding - 30,000
Portion of Funding Received - 30,000
Time Commitment: 0

Principal Applicant : Zafir Syed (MSc student)

2014/5 - 2014/8
Principal Applicant

Evaluation of an Oncolytic Vaccine in Dogs (student salary support), Scholarship

Funding Sources:

2014/5 - 2014/8 Natural Sciences and Engineering Research Council of Canada (NSERC)
Undergraduate Student Research Assistantship
Total Funding - 4,400 (Canadian dollar)
Portion of Funding Received - 4,400
Funding Competitive?: Yes

Co-applicant : Larissa Hattin (summer student)

2012/9 - 2014/8
Principal Applicant

Combining Histone Deacetylase Inhibition and Transient, Virus-Induced Lymphopenia to Treat Leukemia (student stipend support), Scholarship

Funding Sources:

2012/9 - 2014/8 University of Guelph
Ontario Veterinary College MSc Scholarship
Total Funding - 30,000 (Canadian dollar)
Portion of Funding Received - 30,000
Funding Competitive?: Yes

Funding by Year:

2012/9 - 2014/8 Total Funding - 30,000
 Portion of Funding Received - 30,000
 Time Commitment: 0

Principal Applicant : Christian Ternamian (MSc student)

2013/6 - 2014/5
 Co-applicant

Upgrade to State-of-the-Art Flow Cytometric Equipment, Grant

Funding Sources:

2013/6 - 2015/5 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Research Tools and Instruments Grant
 Total Funding - 148,230 (Canadian dollar)
 Portion of Funding Received - 49,410
 Funding Competitive?: Yes

Funding by Year:

2013/6 - 2015/5 Total Funding - 148,230
 Portion of Funding Received - 49,410
 Time Commitment: 7

Co-applicant : Dr. Dorothee Bienzle;

Principal Applicant : Dr. Brandon Plattner

2013/5 - 2014/4
 Principal Applicant

Development of an Immune Response Monitoring Facility to Support Clinical Testing of Novel Cancer Biotherapies in Companion Animals, Grant

Funding Sources:

2013/5 - 2014/4 The Smiling Blue Skies Cancer Fund
 Donation
 Total Funding - 14,554 (Canadian dollar)
 Portion of Funding Received - 14,554
 Funding Competitive?: No

Funding by Year:

2013/5 - 2014/4 Total Funding - 14,554
 Portion of Funding Received - 14,554
 Time Commitment: 3

2013/9 - 2014/4
 Principal Applicant

Evaluating the Role of Akt Isoforms in the Sensitivity of Lung Cancer Cells to Oncolytic Viruses (student salary support), Scholarship

Funding Sources:

2013/9 - 2014/4 University of Guelph
 Work-Study
 Total Funding - 2,210 (Canadian dollar)
 Portion of Funding Received - 2,210
 Funding Competitive?: No

Co-applicant : Wing Ka "Amanda" Au Yeung (undergraduate student)

2012/5 - 2013/8
 Principal Applicant

Using an Innate Anti-Viral Immune Response in the Presence of a Histone Deacetylase Inhibitor to Treat Leukemias (student salary support), Scholarship

Funding Sources:

2012/5 - 2012/8 Canadian Society for Immunology
 Summer Internship in Immunology
 Total Funding - 2,400 (Canadian dollar)
 Portion of Funding Received - 2,400
 Funding Competitive?: Yes

Funding by Year:

2012/5 - 2012/8 Total Funding - 2,400
 Portion of Funding Received - 2,400
 Time Commitment: 0

Co-applicant : Evan Lusty (summer student)

2013/5 - 2013/8
 Principal Applicant

Development of Flow Cytometry-Based Immunological Assays to Support Pre-Clinical and Clinical Companion Animal Cancer Trials (student salary support), Scholarship

Funding Sources:

2013/5 - 2013/8 University of Guelph
 Undergraduate Research Assistant
 Total Funding - 4,400 (Canadian dollar)
 Portion of Funding Received - 4,400
 Funding Competitive?: Yes

Funding by Year:

2013/5 - 2013/8 Total Funding - 6,600
 Portion of Funding Received - 6,600
 Time Commitment: 0

Co-applicant : Wing Ka "Amanda" Au Yeung (summer student)

2012/9 - 2013/4
 Principal Applicant

Testing the Efficacy of Cancer Therapeutics in Prostate Cancer Cell Lines (student salary support), Scholarship

Funding Sources:

2012/9 - 2013/4 University of Guelph
 Work-Study
 Total Funding - 2,210 (Canadian dollar)
 Portion of Funding Received - 2,210
 Funding Competitive?: No

Co-applicant : Jason Morgenstern (undergraduate student)

2012/5 - 2012/8
 Principal Applicant

Establishment of Leukemia/Lymphoma Cell Lines from Clinical Specimens and Evaluation of Their Susceptibility to Oncolytic Viruses (student salary support), Scholarship

Funding Sources:

2012/5 - 2012/8 University of Guelph
 Undergraduate Research Assistantship
 Total Funding - 6,000 (Canadian dollar)
 Portion of Funding Received - 6,000
 Funding Competitive?: Yes

Funding by Year:

2012/5 - 2012/8 Total Funding - 6,000
 Portion of Funding Received - 6,000
 Time Commitment: 0

Co-applicant : Jason Morgenstern (summer student)

Declined [n=6]

2017/9 - 2021/8
Principal Investigator Enhancing Immunogenic Cancer Cell Death Through the Novel Combination of Oncolytic Viruses and Photodynamic Therapy (student stipend support), Scholarship

Funding Sources:

2017/9 - 2020/8 Ontario Government
Ontario Graduate Scholarship
Total Funding - 60,000 (Canadian dollar)
Portion of Funding Received - 0
Funding Competitive?: Yes

Principal Applicant : Ashley Ross;

Principal Investigator : Sarah Wootton

2017/9 - 2020/8
Co-applicant Enhancing Immunogenic Cancer Cell Death Through the Novel Combination of Oncolytic Viruses and Photodynamic Therapy (student stipend support), Scholarship

Funding Sources:

2017/9 - 2020/8 Ontario Veterinary College (OVC)
Doctoral Scholarship
Total Funding - 60,000 (Canadian dollar)
Portion of Funding Received - 0
Funding Competitive?: Yes

Principal Applicant : Ashley Ross;

Principal Investigator : Sarah Wootton

2016/9 - 2018/12
Co-applicant The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy (student stipend support; declined due to receipt of external scholarships), Scholarship

Funding Sources:

Ontario Veterinary College (OVC)
Graduate Scholarship
Total Funding - 17,000
Portion of Funding Received - 17,000
Funding Competitive?: Yes

Co-applicant : Sarah K. Wootton;

Principal Applicant : Jacob van Vloten

2016/9 - 2017/8
Co-applicant Augmentation of a Canine Melanoma Vaccine with Immunomodulatory Antibodies (student stipend support), Scholarship

Funding Sources:

2016/9 - 2017/8 Pet Trust Foundation
OVC Pet Trust Scholar Program
Total Funding - 17,500 (Canadian dollar)
Portion of Funding Received - 17,500
Funding Competitive?: Yes

Principal Applicant : Wing Ka "Amanda" AuYeung (MSc student)

2015/9 - 2016/8
Principal Investigator The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy (student stipend support), Scholarship

Funding Sources:

2015/9 - 2016/8 Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA)
 Highly Qualified Personnel PhD Scholarship
 Total Funding - 21,000 (Canadian dollar)
 Portion of Funding Received - 0
 Funding Competitive?: Yes

Principal Applicant : Jacob van Vloten (PhD student; co-advised);

Principal Investigator : Sarah K. Wootton

2015/9 - 2016/8 Using Virus-Infected Dendritic Cells as Cancer Vaccines (student stipend support),
 Principal Investigator Scholarship

Funding Sources:

2015/9 - 2016/8 University of Guelph
 Graduate Research Assistant Tuition Supplement
 Total Funding - 8,000 (Canadian dollar)
 Portion of Funding Received - 0
 Funding Competitive?: No

Principal Applicant : Robert Mould (MSc student; transferred to PhD)

Under Review [n=5]

2021/6 - 2026/5 Calming the Storm: Interventions to Abrogate Toxic Cytokine Responses to Viruses, Grant
 Principal Applicant

Funding Sources:

2021/6 - 2026/5 Canadian Institutes of Health Research (CIHR)
 Total Funding - 920,000 (Canadian dollar)
 Funding Competitive?: Yes

Co-applicant : Khalil Karimi; Leonardo Susta; Sarah K. Wootton

2021/6 - 2026/5 AAV-vectored immunoprophylaxis for the prevention and treatment of infectious diseases,
 Co-applicant Grant

Funding Sources:

2021/6 - 2026/5 Canadian Institutes of Health Research (CIHR)
 Total Funding - 880,000 (Canadian dollar)

Co-applicant : Darwyn Kobasa; Kevin Stinson; Leonardo Susta; Rob Kozak;

Principal Applicant : Sarah K. Wootton

2021/9 - 2023/8 Mechanism of Oncolytic ORFV-Activated Innate and Adaptive Anti-Tumor Immunity in a
 Co-investigator Preclinical Model of Late-Stage Ovarian Cancer, Grant

Funding Sources:

Cancer Research Society (The)
 Operating Grant
 Total Funding - 120,000
 Funding Competitive?: Yes

Principal Investigator : Sarah K. Wootton

2021/9 - 2023/8 Heat- and Cold-Adaptation of Oncolytic Rhabdoviruses to Improve Their Clinical Utility,
 Principal Applicant Grant

Funding Sources:

Cancer Research Society (The)
 Operating Grant
 Total Funding - 120,000
 Funding Competitive?: Yes

2020/11 - 2021/10
 Principal Applicant Translational Development of an Avian Orthoavulavirus-1-Vectored Vaccine for COVID-19, Grant

Funding Sources:

National Research Council Canada (NRC) (Ottawa, ON)
 Collaborative R&D Initiative Pandemic Response Challenge
 Program Grant Application
 Total Funding - 553,685
 Portion of Funding Received - 553,685
 Funding Competitive?: Yes

Co-investigator : Dr. Leonardo Susta; Dr. Sarah K. Wootton;

Collaborator : Dr. Andrew Winterborn; Dr. Anh Tran

Student/Postdoctoral Supervision**Bachelor's [n=1]**

2020/9 - 2021/4
 Principal Supervisor Julia Kakish, University of Guelph
 Thesis/Project Title: Cold-Adaptation of Viruses for Use as Vaccine Vectors (undergraduate research project student)
 Present Position: Currently a member of my research team

Bachelor's Equivalent [n=2]

2020/5 - 2020/8
 Principal Supervisor Lily Chan, University of Guelph
 Thesis/Project Title: Calming the Storm: Dissecting the Roles of Innate Lymphoid Cells in Cytokine-Mediated Pulmonary Inflammation Induced by Oncolytic Vesicular Stomatitis Virus (undergraduate summer research assistant)
 Present Position: Currently a MSc student in my laboratory, University of Guelph

2020/5 - 2020/8
 Principal Supervisor Kiersten Hanada (In Progress) , University of Guelph
 Thesis/Project Title: Calming the Cytokine Storm: Developing a Model to Study Toxic Cytokine Responses to Viruses (undergraduate summer research assistant)
 Present Position: Completing the DVM program, University of Guelph

Bachelor's Honours [n=23]

2020/9 - 2021/4
 Principal Supervisor Sierra Vanderkamp, University of Guelph
 Thesis/Project Title: Evaluating the Role of Oxidative Stress in Off-Target Infections of T Cells by Oncolytic Rhabdoviruses (undergraduate research project student)
 Present Position: Currently a member of my research team

2018/9 - 2019/4
 Principal Supervisor Jessica Minott (Completed) , University of Guelph
 Thesis/Project Title: Assessing the Impact of Sex Hormones on the Efficacy of Oncolytic Viruses (4th year undergraduate research project student)
 Present Position: Currently a MSc student in my laboratory, University of Guelph

- 2018/5 - 2018/8
Principal Supervisor Jessica Minott (Completed) , University of Guelph
Thesis/Project Title: Assessing the Impact of Sex Hormones on the Efficacy of Oncolytic Viruses (undergraduate summer research assistant)
Present Position: Currently a MSc student in my laboratory, University of Guelph
- 2018/5 - 2018/8
Principal Supervisor Samantha Holtz (Completed) , University of Guelph
Thesis/Project Title: Combining Oncolytic Virotherapy with Epigenetic Modifiers to Treat Lymphomas (undergraduate summer research assistant)
Present Position: Completed apPost-graduate diploma program., Queen's University
- 2018/5 - 2018/8
Principal Supervisor Elaine Klafuric (Completed) , University of Guelph
Thesis/Project Title: Type I Interferon-Mediated Regulation of IL-17 Production by Mast Cells (undergraduate summer research assistant)
Present Position: Currently a MSc student in my laboratory
- 2017/5 - 2017/8
Principal Supervisor Mankerat Singh (Completed) , University of Guelph
Student Degree Start Date: 2017/5
Thesis/Project Title: Optimizing the Antigen Presentation Potential of Cultured Dendritic Cells Through the Use of Interleukin-4 (summer research assistantship)
Project Description: Mankerat complete his Honour's BSc program in April 2017 and then conducted a research project under my supervision for the summer 2017. Project title: Enhancing dendritic cell-based anti-cancer vaccines through adaptation to a hypoxic microenvironment.
Present Position: unknown
- 2016/9 - 2017/4
Principal Supervisor Mankerat Singh (Completed) , University of Guelph
Student Degree Start Date: 2016/9
Student Degree Received Date: 2017/4
Thesis/Project Title: Optimizing a Dendritic Cell-Based Vaccine for Induction of Immunological Memory (4th year undergraduate research project)
Project Description: Mankerat conducted research in my laboratory for two semesters as an undergraduate student enrolled in the course HK*4371/2 (Research in Human Biology and Nutritional Sciences). His project was entitled: Differentiating dendritic cells in the presence of interleukin-4 to enhance their potential as vaccines. He subsequently presented this work at the Summit for Cancer Immunotherapy, Gatineau, QC, in June 2017, where he received the only undergraduate award for best poster.
Present Position: unknown
- 2016/5 - 2016/9
Principal Supervisor Katrina Allison (Completed) , University of Guelph
Student Degree Start Date: 2012/9
Student Degree Received Date: 2016/8
Thesis/Project Title: Sex Disparity in Innate Immune Responses to Viral Infection: the Role of Type I Interferon
Project Description: Undergraduate summer research assistant in my laboratory; May-August 2016. Studied gender bias in the role of type I interferon signalling on the cytokine response to viral infection.
Present Position: Naturopathic Medicine College Training Program (Toronto, Ontario)

- 2015/5 - 2015/8
Principal Supervisor Wing Ka "Amanda" AuYeung (Completed) , University of Guelph
Student Degree Start Date: 2011/9
Student Degree Received Date: 2015/8
Thesis/Project Title: Transient Lymphopenia as a Mechanism to Allow an Oncolytic Virus to Replicate Inside a Tumour Despite Vaccination Against a Virus-Encoded Antigen (NSERC Undergraduate Student Research Assistantship)
Project Description: Undergraduate summer research assistant, May-August 2015.
Project: Transient lymphopenia as a mechanism to allow an oncolytic virus to replicate inside a tumour despite vaccination against a virus-encoded antigen
Present Position: Flow Cytometry Technician, The Hospital for Sick Children, Toronto, Ontario, Canada
- 2014/5 - 2014/9
Principal Supervisor Larissa Hattin (Completed) , University of Guelph
Student Degree Start Date: 2010/9
Student Degree Received Date: 2014/8
Thesis/Project Title: Evaluation of an Oncolytic Vaccine in Dogs (NSERC Undergraduate Student Research Assistantship)
Project Description: Assessed the oncolytic potential of a recombinant Newcastle disease virus in human prostate cancer cell lines.
Present Position: Emergency medicine residency program, University of British Columbia
- 2014/5 - 2014/8
Principal Supervisor Robert Mould (Completed) , University of Guelph
Student Degree Start Date: 2010/9
Student Degree Received Date: 2014/4
Thesis/Project Title: Combining Antigen-Presenting Cell-Based Vaccination with Oncolytic Viruses for the Treatment of Prostate Cancers (summer research assistantship)
Project Description: Undergraduate summer research assistant, May-August 2014.
Project: The potential to use Orf virus and Newcastle disease virus-infected dendritic cells and/or macrophages as cancer vaccines.
Present Position: Postdoctoral fellow in my laboratory, University of Guelph
- 2013/9 - 2014/4
Principal Supervisor Larissa Hattin (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Student Degree Received Date: 2014/8
Thesis/Project Title: Testing the Oncolytic Potential of Two Recombinant Newcastle Disease Viruses in Human Prostate Cancer Cell Lines (summer research assistantship)
Project Description: Sept. 2013-April 2014: Larissa conducted her 4th-year undergraduate research project (Course codes: BIOM*4521 [Fall semester] and BIOM*4522 [Spring semester]) in my laboratory. Project title: Testing the oncolytic potential of a novel recombinant Newcastle Disease Virus in human prostate cancer cell lines. She continued this project as a summer undergraduate research assistant, May-August 2014
Present Position: Emergency medicine residency program, University of British Columbia
- 2013/9 - 2014/4
Principal Supervisor Wing Ka "Amanda" AuYeung (Completed) , University of Guelph
Student Degree Start Date: 2011/9
Student Degree Received Date: 2015/4
Thesis/Project Title: Evaluating the Role of Akt Isoforms in the Sensitivity of Lung Cancer Cells to Oncolytic Viruses (Work-Study Program; part-time research while pursuing full-time undergraduate studies)
Project Description: Undergraduate summer research assistant, May-August 2013.
Project: Development of flow cytometry-based immunological assays to support pre-clinical and clinical companion animal cancer trials.
Present Position: Flow Cytometry Technician, The Hospital for Sick Children, Toronto, Ontario, Canada

- 2013/9 - 2014/4
Principal Supervisor Sofia Oke (Completed) , University of Guelph
Student Degree Start Date: 2010/9
Student Degree Received Date: 2014/4
Thesis/Project Title: Determining Whether TLR3 and/or TLR7 Ligation Causes Dysregulation of Cytokine Signaling in Macrophages Lacking the Type I Interferon Receptor (summer research assistantship)
Project Description: Sofia conducted her 4th-year undergraduate research project (Course codes: BIOM*4521 [Fall semester] and BIOM*4522 [Spring semester]) in my laboratory, September 2013-April 2014. Project: Determining whether TLR3 and/or TLR7 ligation causes dysregulation of cytokine signaling in dendritic cells lacking the type I interferon receptor.
Present Position: Research technician (Dr. Sachdev Sidhu's lab, University of Toronto)
- 2013/9 - 2015/8
Principal Supervisor Alexandra Rasiuk (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/8
Thesis/Project Title: The Role of Type I Interferon Signalling in the Regulation of Cytokines Produced by Antigen-Presenting Cells (4th year undergraduate research project)
Project Description: Undergraduate research project course (BIOM*4521 and BIOM*4522), Sept. 2012 - August 2013. Project: Studying the role of type I interferon receptor-mediated signaling in the regulation of cytokines produced by dendritic cells.
Present Position: Research associate in industry
- 2013/5 - 2013/8
Principal Supervisor Wing Ka "Amanda" AuYeung (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Student Degree Received Date: 2014/4
Thesis/Project Title: Development of Flow Cytometry-Based Immunological Assays to Support Pre-Clinical and Clinical Companion Animal Cancer Trials (NSERC Undergraduate Student Research Assistantship)
Project Description: Part-time undergraduate research assistant (work-study program, September 2013 - April 2014. Project: The role of Akt isoforms in the rate of proliferation of cancer cell lines and their susceptibility to oncolytic viruses.
Present Position: Flow Cytometry Technician, The Hospital for Sick Children, Toronto, Ontario, Canada
- 2013/5 - 2013/7
Principal Supervisor Jason Morgenstern (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Testing the Efficacy of Oncolytic Viruses, Histone Deacetylase Inhibitors and Toll-Like Receptor Ligands in Cancer Cell Lines (summer research assistantship)
Project Description: Undergraduate summer research assistant, May -August 2012. Project: Establishment of leukemia/lymphoma cell lines from clinical specimens and evaluation of their susceptibility to oncolytic viruses.
Present Position: Medical residency program in public health + Master's of Public Health program, McMaster University

- 2012/9 - 2013/4
Principal Supervisor
- Evan Lusty (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Characterizing Oncolytic Viruses and Toll Like Receptor Ligands in the In Vitro Treatment of Human Prostate Cancer (4th year undergraduate research project)
Project Description: Evan conducted his 4th-year undergraduate research project (Course codes: BIOM*4521 [Fall semester] and BIOM*4522 [Spring semester]) in my laboratory.
Project: Testing oncolytic viruses in human prostate cancer cell lines.
Present Position: MD program, Queen's University (Kingston, Ontario)
- 2012/9 - 2013/4
Principal Supervisor
- Jason Morgenstern (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Investigating the Potential to use Recombinant Newcastle Disease Viruses as Oncolytic Virotherapies for Prostate and Cervical Cancers (Work-Study Program; part-time research while pursuing full-time undergraduate studies)
Project Description: Undergraduate summer research assistant, May - July 2013. Project: Characterizing the oncolytic potential of a novel fowl reovirus in established cancer cell lines.
Present Position: Medical residency program in public health + Master's of Public Health program, McMaster University
- 2012/9 - 2013/4
Principal Supervisor
- Alexandra Rasiuk (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Optimization of a Protocol for Harvesting and Differentiating Murine Bone Marrow-Derived Dendritic Cells for use as a Cancer Vaccine (4th year undergraduate research project)
Project Description: Alexandra conducted her 4th-year undergraduate research project (Course codes: BIOM*4521 [Fall semester] and BIOM*4522 [Spring semester]) in my laboratory. Research project: Optimization of a protocol for harvesting and differentiating murine bone marrow-derived dendritic cells for use as a cancer vaccine.
Present Position: Post-graduate diploma program in clinical research at Seneca College, Toronto
- 2012/5 - 2012/8
Principal Supervisor
- Jason Morgenstern (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Evaluation of the Susceptibility of Cancer Cell Lines to Oncolytic Viruses (summer research assistantship)
Project Description: Part-time undergraduate research assistant (work-study program), September 2012-April 2013. Project: Testing oncolytic viruses in human prostate and cervical cancer cell lines.
Present Position: Medical residency program in public health + Master's of Public Health program, McMaster University

- 2012/5 - 2013/7
Principal Supervisor Evan Lusty (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Testing Various Oncolytic Viruses, Histone Deacetylase Inhibitors and Toll-Like Receptor Ligands as Monotherapies in Human Prostate and Cervical Cancer Cells (summer research assistantship)
Project Description: Undergraduate summer research assistant, May - August 2012. Was awarded a Canadian Society for Immunology - Summer Internship in Immunology for this work. Project: Using an innate anti-viral immune response in the presence of a histone deacetylase inhibitor to treat leukemias.
Present Position: MD program, Queen's University (Kingston, Ontario)
- 2012/5 - 2012/8
Principal Supervisor Evan Lusty (Completed) , University of Guelph
Student Degree Start Date: 2009/9
Student Degree Received Date: 2013/4
Thesis/Project Title: Using an Innate Anti-Viral Immune Response in the Presence of a Histone Deacetylase Inhibitor to Treat Leukemias (summer research assistantship)
Project Description: Undergraduate summer research assistant May - June 2013. Project: Testing oncolytic viruses in human prostate cancer cell lines.
Present Position: MD program, Queen's University (Kingston, Ontario)

Master's Equivalent [n=8]

- 2020/2 - 2021/10
Co-Supervisor Yeganeh Mehrani, Ferdowsi University of Mashhad, Iran
Thesis/Project Title: Development of Flow Cytometric Methods to Evaluate Canine Innate Lymphocyte Subsets
Present Position: Visiting scientist in my laboratory
- 2017/5 - 2017/8
Principal Supervisor Julia Saturno (Completed) , University of Guelph
Student Degree Start Date: 2017/5
Thesis/Project Title: Pyrexia Can Impair Oncolytic Virotherapy (summer research assistantship)
Project Description: This student conducted research in my laboratory for the summer of 2017, while enrolled in the doctor of veterinary medicine program, University of Guelph.
Project title: Temperature as a confounding variable in oncolytic virotherapy for canine melanomas.
Present Position: veterinary practice
- 2016/5 - 2016/8
Principal Supervisor Manali Desai (Completed) , University of Guelph
Student Degree Start Date: 2015/9
Thesis/Project Title: Evaluating the Impact of Temperature on the Oncolytic Potential of Viruses in Canine and Murine Osteosarcoma Cells (summer research assistantship)
Project Description: Studied the efficacy of oncolytic viruses in a panel of canine and murine osteosarcoma cell lines.
Present Position: veterinary practice
- 2016/5 - 2016/8
Principal Supervisor Julia Saturno (Completed) , University of Guelph
Student Degree Start Date: 2015/9
Thesis/Project Title: Temperature as a Confounding Variable in Oncolytic Virotherapy for Canine Melanomas (summer research assistantship)
Project Description: Studied the efficacy of oncolytic viruses in a panel of canine melanoma cell lines.
Present Position: veterinary practice

- 2016/5 - 2016/8
Principal Supervisor Julia De Carvalho Nakamura (Completed) , University of Sao Paulo, Brazil
Student Degree Start Date: 2011/9
Thesis/Project Title: The Impact of Temperature on the Oncolytic Activity of Viruses (summer research assistantship)
Project Description: Participated in Students Without Borders Program, May-September 2016; conducted research in my laboratory studying the effect of high and low temperatures on oncolytic viruses.
Present Position: Veterinary practice, Sao Paulo, Brazil
- 2015/5 - 2015/8
Principal Supervisor Haley Spangler-Forgione (Completed) , University of Guelph
Student Degree Start Date: 2014/9
Thesis/Project Title: Par6 Influences the Susceptibility of Mammary Carcinoma Cells to Oncolytic Viruses (summer research assistantship)
Project Description: Title of project: Par6 influences the susceptibility of mammary carcinoma cells to oncolytic viruses
Present Position: Veterinary practice
- 2015/5 - 2015/8
Principal Supervisor Julia Kim (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Thesis/Project Title: Assessment of the Potential to Treat Canine Cancers with an Oncolytic Vaccine (summer research assistantship)
Project Description: Undergraduate summer research assistant, May - August 2014.
Project: Used western blotting to assess canine osteosarcoma, melanoma and lymphoma specimens for the expression of various tumour-associated antigens. The results will guide the development of novel viral vectors to be used in a future canine cancer trial.
Present Position: Graduate student, Department of Population Medicine, University of Guelph
- 2014/5 - 2014/8
Principal Supervisor Julia Kim (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Thesis/Project Title: Assessment of Canine Melanoma Samples from the Ontario Veterinary College-Companion Animal Tumour Bank for Expression of Antigens that can be Targeted with an Oncolytic Cancer Vaccine (summer research assistantship)
Project Description: Undergraduate summer research assistant, May - August 2015.
Project: Assessment of the potential to treat canine cancers with an oncolytic vaccine.
Present Position: Graduate student, Department of Population Medicine, University of Guelph

Master's Thesis [n=11]

- 2020/11
Academic Advisor Brenna Stevens, University of Guelph
Degree Name: MSc
Student Degree Start Date: 2020/9
Thesis/Project Title: Gene Therapy for Cystic Fibrosis
Present Position: graduate student
- 2020/9 - 2022/8
Principal Supervisor Lily Chan, University of Guelph
Thesis/Project Title: The Roles of Innate Leukocytes in Dendritic Cell-Based Vaccinations
Present Position: Currently a member of my research team
- 2019/9 - 2021/8
Academic Advisor Sylvia Thomas (In Progress) , University of Guelph
Thesis/Project Title: Adeno-Associated Virus-Vectored Gene Editing Platform for the Correction of Monogenic Lung Diseases
Present Position: Graduate student in Wootton lab

- 2018/9 - 2021/6
Principal Supervisor Elaine Klafuric (In Progress) , University of Guelph
Student Degree Expected Date: 2020/8
Thesis/Project Title: Combining Oncolytic Viruses with Epigenetic Modifiers to Treat Acute Myeloid Leukemias
Present Position: Currently a member of my research team, University of Guelph
- 2017/9 - 2019/12
Academic Advisor Adriana Bianco (In Progress) , University of Guelph
Student Degree Expected Date: 2019/12
Thesis/Project Title: Anti-Cancer Effects of Beta Glucans
Present Position: unknown
- 2016/9 - 2016/12
Principal Supervisor Katrina Allison (Withdrawn) , University of Guelph
Student Degree Start Date: 2016/9
Thesis/Project Title: Sex Disparity in Innate Immune Responses to Viral Infection: the Role of Type I Interferon
Project Description: Studying gender bias in the role of type I interferon signalling on the cytokine response to viral infection.
Present Position: Naturopathic Medicine College Training Program (Toronto, Ontario)
- 2015/9 - 2017/8
Principal Supervisor Wing Ka "Amanda" AuYeung (Completed) , University of Guelph
Student Degree Start Date: 2015/9
Thesis/Project Title: Developing Novel Biotherapies for the Treatment of Melanomas
Project Description: Amanda is studying the mechanisms underlying biotherapies for melanomas.
Present Position: Flow Cytometry Technician, The Hospital for Sick Children, Toronto, Ontario, Canada
- 2015/1 - 2016/8
Academic Advisor Nahla El Skhawy (Completed) , University of Guelph
Student Degree Start Date: 2014/9
Student Degree Received Date: 2016/8
Thesis/Project Title: The Role of the Immune System in Johne's Disease in Cattle
Project Description: Immunological aspects of Johne's disease in cattle.
Present Position: unknown
- 2013/9 - 2015/8
Principal Supervisor Alexandra Rasiuk (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Student Degree Received Date: 2015/8
Thesis/Project Title: Role of Type I Interferon Signalling in Regulating Survival, Proliferation, and Cytokine Production in Antigen-Presenting Cells
Project Description: Thesis title: Role of Type I Interferon Signalling in Regulating Survival, Proliferation, and Cytokine Production in Antigen-Presenting Cells
Present Position: Research associate in industry
- 2012/9 - 2014/8
Principal Supervisor Christian Ternamian (Completed) , University of Guelph
Student Degree Start Date: 2012/9
Student Degree Received Date: 2014/8
Thesis/Project Title: Targeting Acute Lymphoblastic Leukemia with Oncolytic Virotherapy and Immunotherapy
Project Description: Combining histone deacetylase inhibition and transient, virus-induced lymphopenia to treat leukemia.
Present Position: Completed Medical Doctorate program at Queen's University

2012/9 - 2014/8
Principal Supervisor Zafir Syed (Completed) , University of Guelph
Student Degree Start Date: 2012/9
Student Degree Received Date: 2014/8
Thesis/Project Title: Oncolytic Immunotherapy for the Treatment of High-Grade Gliomas
Project Description: Synergizing immuno- and oncolytic viro-therapies for the treatment of primary brain cancer.
Present Position: Radiology residency program, University of Western Ontario

Doctorate [n=17]

2021/3
Academic Advisor Ben Muselius, University of Guelph
Degree Name: PhD
Student Degree Start Date: 2021/1
Thesis/Project Title: Proteomics Analysis of Infections with the Fungal Pathogen *Cryptococcus neoformans*
Present Position: graduate student

2019/9 - 2023/8
Principal Supervisor Jason Knapp (In Progress) , University of Guelph
Student Degree Expected Date: 2023/8
Thesis/Project Title: Sensitization of Decitabine-Treated Leukemias to Oncolytic Virotherapy
Present Position: Graduate student in my laboratory

2019/9 - 2024/8
Principal Supervisor Jessica Minott (In Progress) , University of Guelph
Student Degree Expected Date: 2021/8
Thesis/Project Title: Development of an Oncolytic Orf Virus-Infected Cell Vaccine for the Treatment of Spontaneous Mammary Carcinoma Metastases (transferred from MSc program)
Present Position: Graduate student in my laboratory

2018/9 - 2022/8
Academic Advisor Amira Rghei (In Progress) , University of Guelph
Thesis/Project Title: Adeno-Associated Virus-Vectorized Immunoprophylaxis for Filovirus Infections
Present Position: Graduate student in Wootton lab

2017/9 - 2021/8
Principal Supervisor Ashley Stegelmeier (In Progress) , University of Guelph
Student Degree Start Date: 2017/9
Student Degree Expected Date: 2021/8
Student Canadian Residency Status: Canadian Citizen
Thesis/Project Title: Vectorizing Immunomodulatory Antibodies for the Treatment of Canine Melanomas
Project Description: The objective of this research is to enable tumour-bearing dogs to synthesize anti-canine PDL-1 in vivo using AAV with an inducible Tet-on promoter, which will allow fine control of expression of the antibody. This novel administration of an immunomodulatory canine antibody with an inducible promoter has the potential to improve efficacy of immunotherapies in melanoma-bearing dogs while minimizing risk of off-target autoimmunity.
Present Position: Graduate student in my laboratory

2017/1 - 2020/1
Principal Supervisor Maedeh "Mahi Azizi" Darzianiazizi (In Progress) , University of Guelph
Student Degree Expected Date: 2020/1
Thesis/Project Title: Elucidating the Roles of Sex, Neutrophils and Mast Cells in Type I Interferon-Regulated Cytokine Responses to Viruses
Present Position: Working in industry

- 2017/1 - 2020/12
Academic Advisor
Nadiyah Alqazlan (In Progress) , University of Guelph
Student Degree Start Date: 2016/9
Thesis/Project Title: Low Pathogenic Avian Influenza Virus H9N2 in Chickens: Transmission Routes, Effects of Environmental Factors on Transmission and Means to Disrupt Transmission
Project Description: Low Pathogenic Avian Influenza Virus H9N2 in Chickens: Transmission Routes, Effects of Environmental Factors on Transmission and Means to Disrupt Transmission
Present Position: PhD student (Sharif Lab, University of Guelph)
- 2016/9 - 2020/8
Academic Advisor
Thomas McAusland (In Progress) , University of Guelph
Student Degree Start Date: 2016/9
Student Degree Expected Date: 2020/8
Thesis/Project Title: Development of Newcastle Disease Virus-Based Oncolytic Virotherapies
Project Description: Development of oncolytic Newcastle disease virus vectors for cancer therapy.
Present Position: Enrolled in police college
- 2015/9 - 2018/12
Academic Advisor
Laura van Lieshout (In Progress) , University of Guelph
Student Degree Expected Date: 2018/12
Thesis/Project Title: Using Adeno-Associated Viruses for Antibody-Mediated Vectored Immunophylaxis
Present Position: Postdoctoral fellow in the Wootton lab, University of Guelph
- 2015/9 - 2021/4
Academic Advisor
Kathy Matuszewska (In Progress) , University of Guelph
Student Degree Start Date: 2015/9
Student Degree Expected Date: 2019/10
Thesis/Project Title: Combined Vessel Normalization and Oncolytic Virus Therapy in the Treatment of Advanced Stage Ovarian Cancer
Project Description: Using a derivative of thrombospondin-1 to normalize tumour vasculature for enhanced delivery of oncolytic viruses.
Present Position: PhD student (Petrik lab), University of Guelph
- 2015/6 - 2021/4
Academic Advisor
Peyman Asadian (In Progress) , University of Guelph
Student Degree Start Date: 2015/9
Student Degree Expected Date: 2019/12
Thesis/Project Title: The Role of SAMHD1 in Feline Immunodeficiency Virus Infections
Project Description: Thesis title: Expression profile and role of restriction of Sterile alpha motif domain- and HD domain-containing protein 1 in restriction of Feline Immunodeficiency Virus
Present Position: Leave of absence (PhD student in Bienzle lab, University of Guelph)
- 2014/9 - 2019/12
Academic Advisor
Joelle Ingraio (In Progress) , University of Guelph
Student Degree Start Date: 2014/9
Student Degree Expected Date: 2019/12
Thesis/Project Title: Development of a Vaccine to Protect Against *Toxoplasma gondii* Infection in Sheep
Project Description: Development of a recombinant parapoxvirus vaccine to protect against *Toxoplasma gondii* infection in sheep
Present Position: Research associate in industry

- 2014/9 - 2020/4
Principal Supervisor Robert Mould (In Progress) , University of Guelph
Student Degree Start Date: 2014/9
Student Degree Expected Date: 2020/4
Thesis/Project Title: Development of Novel Cancer Biotherapies
Project Description: Was in the MSc program Sept. 2014-Aug. 2015; transferred into the PhD program, effective Sept. 2015. Project: Development of novel biotherapies for the treatment of osteosarcomas.
Present Position: Scientist at Ensoma, USA
- 2014/9 - 2020/4
Co-Supervisor Jacob van Vloten (In Progress) , University of Guelph
Student Degree Start Date: 2014/9
Student Degree Expected Date: 2020/4
Thesis/Project Title: The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy
Project Description: Direct entry from the BSc program into the PhD program. Project: Development of a novel Orf virus natural isolate into a cancer biotherapy.
Present Position: Postdoctoral fellow in the lab of Dr. Richard Vile, Mayo Clinic, Rochester, Minnesota
- 2014/9 - 2017/8
Principal Supervisor Megan Strachan-Whaley (Completed) , University of Guelph
Student Degree Start Date: 2014/9
Thesis/Project Title: Combination of Epigenetic Modifier Drugs with Oncolytic Viral Therapy as a Novel Treatment for Leukemias
Project Description: Using oncolytic viruses to potentiate histone deacetylase inhibitor-mediated killing of acute lymphoblastic leukemia B cells.
Present Position: Postdoctoral fellow in industry
- 2014/2 - 2016/8
Academic Advisor Marianne Wilcox (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Student Degree Received Date: 2016/8
Thesis/Project Title: Mathematical Modeling of Cytokine Storms in Rhabdovirus-Infected Mice Lacking Type I Interferon Signaling in Hematopoietic Cells
Project Description: Mathematical modeling of cytokine storms in rhabdovirus-infected mice lacking type I interferon signaling in hematopoietic cells.
Present Position: unknown
- 2013/8 - 2018/9
Academic Advisor Lisa Santry (Completed) , University of Guelph
Student Degree Start Date: 2011/9
Thesis/Project Title: Functional Role of AKT Isoforms in Jaagsiekte Sheep Retrovirus Envelope Protein-Induced Lung Tumourigenesis and the Susceptibility of the Resulting Tumours to Viral Oncolysis
Project Description: Project #1: Functional role of AKT isoforms in Jaagsiekte Sheep Retrovirus envelope protein-induced lung tumorigenesis and the susceptibility of the resulting tumours to viral oncolysis. Project #2: Using a derivative of thrombospondin-1 to normalize tumour vasculature for enhanced delivery of oncolytic viruses. Project #3: Development of a Newcastle disease virus vector expressing an immunomodulatory antibody.
Present Position: Research associate in industry

Doctorate Equivalent [n=1]

- 2018/1 - 2021/12
Academic Advisor Karen Carlton (In Progress) , University of Guelph
Student Degree Expected Date: 2021/12
Thesis/Project Title: Crimean-Congo Hemorrhagic Fever DNA Vaccine trial: Pilot Safety and Toxicity Study in Cattle and Goats
Present Position: DVSc student in the Arroyo and Lillie labs, University of Guelph

Post-doctorate [n=6]

- 2020/5 - 2021/4
Principal Supervisor Robert Mould, University of Guelph
Thesis/Project Title: Development of Vaccines for COVID-19
Present Position: Still part of my research team
- 2020/3 - 2020/7
Co-Supervisor Jacob van Vloten, University of Guelph
Thesis/Project Title: Development of Vaccines for COVID-19
Present Position: Postdoctoral fellow in the lab of Dr. Richard Vile, Rochester, MN, USA, Mayo Clinic, Rochester, Minnesota
- 2018/9 - 2019/8
Principal Supervisor Megan Strachan-Whaley, University of Guelph
Thesis/Project Title: Combining Oncolytic Viruses and Epigenetic Modifiers to Treat Acute Leukemias
Present Position: Enrolled in medical school (Dalhousie University)
- 2015/5 - 2017/12
Co-Supervisor Dr. Li Deng (Completed) , University of Guelph
Student Degree Start Date: 2015/4
Thesis/Project Title: Engineering Virus-Vectored Cancer Vaccines for Clinical Canine Cancer Trials
Project Description: Development of novel virus vectors for use in oncolytic and immunotherapies.
Present Position: Postdoctoral fellow (Wan lab, McMaster University)
- 2013/9 - 2014/4
Principal Supervisor Dr. Scott Walsh (Completed) , University of Guelph
Student Degree Start Date: 2013/9
Student Degree Received Date: 2014/8
Thesis/Project Title: Type I Interferon Receptor Signalling as a Master Switch for the Negative Regulation of Cytokine Networks
Project Description: Type I interferon receptor signalling as a master switch for the negative regulation of cytokine networks.
Present Position: Postdoctoral fellow in the laboratory of Dr. Yonghong Wan, McMaster University, Hamilton, ON, Canada
- 2013/2 - 2013/8
Principal Supervisor Dr. Jondavid de Jong (Completed) , University of Guelph
Student Degree Start Date: 2013/2
Student Degree Received Date: 2013/8
Thesis/Project Title: Construction of Human Adenovirus Serotype 48 and Maraba Virus Vectors
Project Description: Construction of recombinant Maraba virus and human adenovirus serotype 48 vectors for use in cancer immune- and oncolytic viro-therapy.
Present Position: Research Associate, Mirexus (Guelph, Ontario; biotechnology company)

Diploma [n=4]

- 2015/10 - 2016/3
Principal Supervisor Katrina Geronimo (Completed) , St. Joan of Arc Catholic Secondary School, Mississauga, Ontario
Student Degree Start Date: 2012/9
Student Degree Received Date: 2016/6
Thesis/Project Title: Hypoxia Variably Affects Oncolytic Virus Efficacy While Potentiating the Growth of Human Cervical Cancer Cells
Project Description: September 2015 - May 2016: Participated in the Sanofi BioGENEius Challenge Canada. This is a national research competition for secondary school students (<http://biogenius.ca/>). Over a 6-month period she averaged 2-3 bus trips to the University of Guelph per week to work approximately half-days in my laboratory. Her project title was "Hypoxia variably affects oncolytic virus efficacy while potentiating the growth of human cervical cancer cells".
Present Position: BSc program, University of Guelph, University of Guelph

- 2015/10 - 2016/3
Principal Supervisor Arthane Kodeeswaran (Completed) , St. Joan of Arc Catholic Secondary School, Mississauga, Ontario
Student Degree Start Date: 2012/9
Student Degree Received Date: 2016/6
Thesis/Project Title: The Effect of Temperature on the Efficacy of Oncolytic Viruses in Human Cervical Cancer Cells
Project Description: September 2015 - May 2016: Participated in the Sanofi BioGENEius Challenge Canada. This is a national research competition for secondary school students (<http://biogenius.ca/>). Over a 6-month period she averaged 2-3 bus trips to the University of Guelph per week to work approximately half-days in my laboratory. Her project title was "The effect of temperature on the efficacy of oncolytic viruses in human cervical cancer cells". Notably, Arthane was one of the award winners for the Greater Toronto Area regional competition.
Present Position: BSc program, University of Guelph, University of Guelph
- 2013/12 - 2014/4
Principal Supervisor Micaella Talan (Completed) , St. Joan of Arc Catholic Secondary School, Mississauga, Ontario
Student Degree Start Date: 2010/9
Student Degree Received Date: 2014/6
Thesis/Project Title: High School Research Project: The Effects of Quercetin and Kaempferol on the Cytotoxicity of Carboplatin and Entinostat on Cancer Cell Lines
Project Description: I am serving as a mentor for this secondary school student as she competes in the Sanofi BioGENEius challenge (see: <http://sanofibiogeneiuschallenge.ca/>).
Project title: Using plant flavonoids quercetin and kaempferol in combination with the chemotherapeutic agent, carboplatin, to treat cancer cell lines.
Present Position: BSc program, McMaster University
- 2013/12 - 2014/4
Principal Supervisor Brittney Tin (Completed) , St. Joan of Arc Catholic Secondary School, Mississauga, Ontario
Student Degree Start Date: 2010/9
Student Degree Received Date: 2014/6
Thesis/Project Title: High School Research Project: The Effects of Quercetin and Kaempferol on the Cytotoxicity of Carboplatin and Entinostat on Cancer Cell Lines
Project Description: I am serving as a mentor for this secondary school student as she competes in the Sanofi BioGENEius challenge (see: <http://sanofibiogeneiuschallenge.ca/>).
Project title: Using plant flavonoids quercetin and kaempferol in combination with the chemotherapeutic agent, carboplatin, to treat cancer cell lines.
Present Position: BSc program, McMaster University

Research Associate [n=1]

- 2016/5 - 2023/4
Principal Supervisor Dr. Khalil Karimi (In Progress) , University of Guelph
Student Degree Start Date: 2016/5
Thesis/Project Title: Role of Type I Interferon Signalling on the Responses of Innate Lymphoid Cell Subsets to Viral Infection
Project Description: Assists with co-management of my research program, with an emphasis on studying the role of innate lymphoid cell subsets in response to viral infection.
Present Position: Research Associate/Associated Faculty Member in my laboratory, University of Guelph

Technician [n=1]

- 2019/12 - 2024/12
Co-Supervisor David Marom, University of Guelph
Thesis/Project Title: General research support.
Present Position: A part-time member of my research team

Staff Supervision

Event Administration

2019/9 - 2020/1 Local Organizing Committee Member, Canadian Society for Virology 2020 Annual Scientific Meeting (Note: this meeting was cancelled due to COVID-19), Conference, 2020/6 - 2020/6

Editorial Activities

2020/7 - 2025/12 Reviewer, Viral Immunology, Journal

2019/11 - 2025/12 Reviewer, Clinical Cancer Research, Journal

2018/6 - 2025/12 Reviewer, Canadian Journal of Veterinary Medicine, Journal

2018/5 - 2025/12 Reviewer, Reviews in Medical Virology, Journal

2017/9 - 2025/12 Reviewer, Science Translational Medicine, Journal

2017/5 - 2025/12 Reviewer, Veterinary Immunology and Immunopathology, Journal

2015/5 - 2025/12 Reviewer, Canadian Journal of Veterinary Research, Journal

2015/5 - 2025/12 Reviewer, Viruses, Journal

2014/5 - 2025/12 Reviewer, Journal of Visualized Experimentation, Journal

2013/12 - 2025/12 Reviewer, PLOS ONE, Journal

2020/9 - 2025/8 Guest Editor, Viruses, Journal

2018/5 - 2018/5 Reviewer, Reviews in Medical Virology (reviewed the second of a linked pair of manuscripts), Journal

2017/12 - 2018/1 Reviewer, PLOS ONE (reviewed a manuscript), Journal

2016/11 - 2016/12 Reviewer, Canadian Journal of Veterinary Research (reviewed a manuscript), Journal

2015/10 - 2015/10 Reviewer, Viruses (reviewed a manuscript), Journal

2015/5 - 2015/5 Reviewer, Viruses (reviewed a manuscript), Journal

2014/1 - 2014/2 Reviewer, PLOS ONE (reviewed a manuscript), Journal

2013/10 - 2013/10 Reviewer, Canadian Journal of Veterinary Research (reviewed a manuscript), Journal

2013/9 - 2013/10 Reviewer, PLOS ONE (reviewed a manuscript), Journal

2013/7 - 2013/8 Reviewer, Molecular Therapy (reviewed a manuscript), Journal

2013/4 - 2013/4 Reviewer, PLOS ONE (reviewed a manuscript), Journal

2013/1 - 2013/3 Reviewer, Journal of Vaccines and Immunization (reviewed a manuscript), Journal

2012/8 - 2012/8 Reviewer, Canadian Veterinary Journal (reviewed a manuscript), Journal

2011/10 - 2011/11 Reviewer, Clinical Medicine Insights Oncology (reviewed a manuscript), Journal

Mentoring Activities

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| 2020/12 | Chair of PhD final examination committee, University of Guelph Number of Mentorees: 1 December 21, 2020; Ryan Snyder's PhD thesis defence |
| 2020/7 | Chair of PhD Qualifying Examination Committee, University of Guelph Number of Mentorees: 1 July 28, 2020; Melanie Iverson's PhD qualifying examination |
| 2020/6 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 June 12, 2020; Ran Xu's PhD qualifying examination |
| 2020/5 | PhD final examination committee member, University of Guelph Number of Mentorees: 1 May 27, 2020; Robert Mould's PhD thesis defence |
| 2020/5 | MSc final examination committee member, University of Guelph Number of Mentorees: 1 May 15, 2020; Elana Raaphorst's MSc thesis defence |
| 2020/4 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 April 16, 2020; Heng Kang's PhD qualifying examination |
| 2020/4 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 April 20, 2020; Sugandha Raj's PhD qualifying examination |
| 2020/1 | PhD final examination committee member, University of Guelph Number of Mentorees: 1 January 3, 2020; Maedeh Darzianiazizi's PhD thesis defence |
| 2019/12 | Chair of PhD Qualifying Examination Committee, University of Guelph Number of Mentorees: 1 December 6, 2019; Ayumi Matsuyama's PhD qualifying examination |
| 2019/5 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 May 3, 2019; Seyed Hossein's PhD qualifying examination |
| 2019/4 | Chair of MSc final examination committee, University of Guelph Number of Mentorees: 1 April 15, 2019; Megan Neely's MSc thesis defence |
| 2019/4 | MSc final examination committee member, University of Guelph Number of Mentorees: 1 April 26, 2019; Kristen Lamers's MSc thesis defence |
| 2019/4 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 April 18, 2019; Gary Lee's PhD qualifying examination |
| 2019/2 | DMin final examination committee member, Tyndale University Number of Mentorees: 1 February 3, 2019; Jeffrey Roy's DMin thesis defence |
| 2019/1 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 January 29, 2019; Karen Carlton's PhD qualifying examination |

2018/12 PhD final examination committee member, University of Western Ontario
Number of Mentorees: 1
December 6, 2018; Corby Fink's PhD thesis defence

2018/12 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
December 17, 2018; Thomas McAusland's PhD qualifying examination

2018/11 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
November 26, 2018; Ashley Stegelmeier's PhD qualifying examination

2018/9 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
September 4, 2018; Maedeh Darzianiazizi's PhD qualifying examination

2018/6 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
June 22, 2018; Laura van Lieshout's PhD qualifying examination

2018/4 PhD final examination committee member, University of Guelph
Number of Mentorees: 1
April 27, 2018; Jegarubee Bavananthasivam's PhD thesis defence

2018/1 PhD final examination committee member, University of Guelph
Number of Mentorees: 1
January 15, 2018; Lisa Santry's PhD thesis defence

2018/1 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
January 19, 2018; Nadiyah Alqazlan's PhD qualifying examination

2018/1 PhD final examination committee member, University of Guelph
Number of Mentorees: 1
January 9, 2018; Megan Strachan-Whaley's PhD thesis defence

2017/12 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
December 1, 2017; Benoit Cuq's PhD Qualifying Examination

2017/9 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
September 25, 2017; Carina Cooper's PhD qualifying examination

2017/8 MSc final examination committee member, University of Guelph
Number of Mentorees: 1
August 21, 2017; Amanda AuYeung's MSc thesis defence

2017/3 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
March 27, 2017; Jacob van Vloten's PhD qualifying examination

2017/1 PhD final examination committee member, University of Guelph
Number of Mentorees: 1
January 25, 2017; Neda Barjesteh's PhD thesis defence

2017/1 MSc final examination committee member, University of Toronto
Number of Mentorees: 1
January 16, 2017; Tiffany Ho's MSc thesis defence

- 2016/9 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
December 19, 2016: Peyman Asadian's PhD qualifying examination
- 2016/8 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
August 24, 2016: Kathy Matuszewska's PhD qualifying examination
- 2016/6 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
June 14, 2016: Megan Strachan-whaley's PhD qualifying examination
- 2016/6 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
June 6, 2016: Seyedmehdi Emam's PhD qualifying examination
- 2016/5 PhD final examination committee member, University of Guelph
Number of Mentorees: 1
May 3, 2016: Served on the examination committee for Shirene Singh's PhD defence
- 2016/4 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
April 27, 2016: Alexander Bekele-Yitbarek's PhD qualifying examination
- 2015/9 MSc examination committee member, University of Guelph
Number of Mentorees: 1
September 2, 2015: Alexandra Rasiuk's MSc thesis defense
- 2015/8 Chair of MSc examination committee, University of Guelph
Number of Mentorees: 1
August 18, 2015: Chaired James Ackford's MSc thesis defense
- 2015/4 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
April 27, 2015: Jegarubee Bavananthasivam's PhD qualifying examination
- 2015/2 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
February 18, 2015: Marianne Wilcox's PhD qualifying examination
- 2014/8 MSc examination committee member, University of Guelph
Number of Mentorees: 1
August 13, 2014: Served on the examination committee for Zafir Syed's MSc thesis defence
- 2014/8 MSc examination committee member, University of Guelph
Number of Mentorees: 1
August 12, 2014: Served on the examination committee for Christian Ternamian's MSc thesis defence
- 2014/6 Chair of MSc examination committee, University of Guelph
Number of Mentorees: 1
June 10, 2014: Chaired Kelly Fleming's MSc thesis defence
- 2014/1 PhD final examination committee member, University of Guelph
Number of Mentorees: 1
January 3, 2014: Scott Walsh's PhD defense
- 2013/12 PhD qualifying examination committee member, University of Guelph
Number of Mentorees: 1
December 16, 2013: Lisa Santry's PhD qualifying examination

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| 2013/12 | PhD qualifying examination committee member, University of Guelph Number of Mentorees: 1 December 11, 2013: Shirene Singh's PhD qualifying examination |
| 2013/11 | Chair of MSc examination committee, University of Guelph Number of Mentorees: 1 November 19, 2013: Chaired Shaun Kernaghan's MSc thesis defense |
| 2013/6 | MSc examination committee member, University of Guelph Number of Mentorees: 1 June 14, 2013: Ian Villanueva's MSc thesis defense |
| 2012/9 | MSc examination committee member, University of Guelph Number of Mentorees: 1 September 5, 2012: Sonja Zours' MSc thesis defense |
| 2012/7 | Chair of MSc examination committee, University of Guelph Number of Mentorees: 1 July 20, 2012: Chaired Inas Elawadli's MSc thesis defense |
| 2012/5 | PhD qualification examination committee member, University of Guelph Number of Mentorees: 1 May 7, 2012: Li Deng's PhD qualification examination |
| 2012/4 | Chair of MSc examination committee, University of Guelph Number of Mentorees: 1 April 19, 2012: Chaired Iman Mehdizadeh Gohari's MSc thesis defense |

Organizational Review Activities

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| 2020/8 | Reviewer, Canadian Institutes of Health Research Served on the Cancer Biology and Therapeutics grant review panel |
| 2020/5 | Reviewer, Cancer Research Society Served on grant review panel C2 - Tumour suppressor genes, oncogenes and DNA repair |
| 2019/10 | Reviewer, Canadian Foundation for Innovation Served on an expert committee to review an application to the John R. Evans Leaders Fund |
| 2018/10 | Reviewer, Canadian Institutes of Health Research Started a three-year term serving on the Virology and Viral Pathogenesis grant review panel |
| 2014/6 | Reviewer, Canadian Cancer Society Research Institute Served on grant review panel I3 - Immunology Signalling and Stem Cells |
| 2020/6 - 2020/7 | Reviewer, Swiss National Science Foundation Spark Grant |
| 2019/12 - 2020/1 | Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant |
| 2019/12 - 2019/12 | Reviewer, New Foundations in Research Fund Reviewed an Exploration Grant |
| 2019/9 - 2019/10 | Reviewer, Prostate Cancer UK Reviewed a grant application. |
| 2018/8 - 2018/9 | Reviewer, Mitacs Accelerate Reviewed one grant application. |

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| 2017/12 - 2018/1 | Reviewer, Student Scinapse Competition Reviewed 7 applications. |
| 2017/9 - 2017/10 | Reviewer, Breast Cancer Now_UK Reviewed a grant application. |
| 2017/3 - 2017/4 | Reviewer, Graduate Women in Science Fellowship Reviewed one application. |
| 2016/12 - 2017/1 | Reviewer, Student Scinapse Competition Reviewed 10 applications. |
| 2016/11 - 2016/12 | Reviewer, Mitacs Accelerate Reviewed one grant application. |
| 2015/11 - 2015/11 | Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Collaborative Health Research Program |
| 2014/12 - 2015/1 | Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Served as an external reviewer for a NSERC Discovery Grant application |
| 2014/4 - 2014/5 | Reviewer, Croatian Science Foundation Reviewed a grant application. |

Community and Volunteer Activities

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| 2015/1 | Member of the Animal Isolation Unit Advisory Committee, University of Guelph To provide advice from the perspective of a researcher to Campus Animal Facilities in an effort to balance the needs of technicians, the administration and those conducting animal research at biosafety level 2. |
| 2014/12 | Volunteer Fundraiser, University of Guelph Assisting fundraising efforts for the Global Vets program by auctioning an immunology review session (2014) and a faculty-student hockey game (2015). |
| 2014/5 | Volunteer Interviewer, University of Guelph Conducting annual entrance interviews for the Doctor of Veterinary Medicine program. |
| 2014/2 | Member of the Dept. of Pathobiology Research Committee, University of Guelph Deliberate on departmental research-related issues and provide recommendations to the department. Keep track of departmental equipment. Coordinate equipment grant applications. |
| 2013/2 | Member of the Dept. of Pathobiology Seminar Committee, University of Guelph Organize and run the Dept. of Pathobiology's annual seminar series, which runs from September to April. Host visiting speakers. Also organize and run an annual 3-minute thesis competition for trainees. I chaired this committee Sept. 2015-Aug. 2016 |
| 2013/2 | Member of the Dept. of Pathobiology Awards Committee, University of Guelph Review and rank all award applications submitted in the Department of Pathobiology. |
| 2013/1 | Scientific Reviewer of Animal Utilization Protocols, University of Guelph Review the scientific content of applications for animal utilization protocols for the Animal Care Committee. |
| 2012/11 | Volunteer Judge, University of Guelph Annual poster judging for the Graduate Student Research Symposium (showcases graduate student research projects). |

- 2012/8 volunteer judge, University of Guelph
Annual poster judging for the Career Opportunites and Research Experience Program (formerly called "Summer Leadership and Research Program"; showcases summer student research projects).
- 2012/2 Co-Manager of the University of Guelph Core Flow Cytometry Facility, University of Guelph
Manage the core flow cytometry facility at the University of Guelph in conjunction with one other faculty member.
- 2011/10 Scientific Reviewer, Various scientific journals
Review manuscripts submitted to the following journals: Molecular Therapy PLOS ONE Journal of Vaccines and Immunization Canadian Veterinary Journal Clinical Medicine Insights Oncology Canadian Journal of Veterinary Research Journal of Visualized Experimentation Reviews in Medical Virology Viruses
- 1997/1 Member, Canadian Society for Immunology
A registered member of the Canadian Society for Immunology
- 2016/3 - 2016/3 volunteer judge, University of Guelph
Judged student-run exhibits that are open to the public at the Ontario Veterinary College.
- 2014/4 - 2016/1 Grant Review Panel Member, Prostate Cancer Canada
I served on Panel C "Experimental Therapeutics"
- 2015/2 - 2015/3 Scientific Reviewer, Oxford University Press
Reviewed Chapter 12: Tumor Immunology and Immunotherapy from the textbook "Molecular Biology of Cancer, fourth edition" by Pecorino.
- 2015/1 - 2015/2 Scientific Reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC)
Discovery Grant review
- 2014/5 - 2014/6 Scientific Reviewer, Croatian Science Foundation
Grant review
- 2010/9 - 2014/5 Assistant Coach, Stanley Stick Hockey Association, Guelph, Ontario
Serve as a volunteer for this not-for-profit hockey association. Assist with coaching a boys hockey team. Learn to skate program: 2010-11 Novice division: 2011-2014
- 2003/9 - 2012/4 Organizer, Men's recreational hockey group, Guelph, Ontario
Managed a men's recreational hockey group.

Knowledge and Technology Translation

- 2014/1 Co-Investigator, Technology Transfer and Commercialization
Group/Organization/Business Serviced: University of Guelph
Target Stakeholder: General Public
Outcome / Deliverable: Submitted an invention disclosure form: Avian orthoreovirus (ARV) strain PB1: a potential oncolytic, vaccine and adjuvant
Activity Description: Invention disclosure to the University of Guelph Catalyst Centre: "Avian orthoreovirus (ARV) strain PB1: a potential oncolytic, vaccine and adjuvant"

- 2011/3 Co-investigator, Technology Transfer and Commercialization
Group/Organization/Business Serviced: McMaster University, Hamilton, Ontario
Target Stakeholder: General Public
Outcome / Deliverable: Patent
Evidence of Uptake/Impact: Used as part of the intellectual property to establish a new biotechnology company called "Turnstone Biologics"
References / Citations / Web Sites: <http://www.turnstonebio.com/> <http://www.google.com/patents/WO2012122629A1?cl=en>
Activity Description: Bridle BW, Bell JC, Diallo JS, Lemay C, Lichty BD, Wan Y "Vaccination and HDAC inhibition" Provisional Patent 61/451,794 filed March 11, 2011, PCT Patent Application No. PCT/CA2012/000212 national phase filings in Europe, North America, China, and Japan underway
- 2011/2 Co-Investigator, Technology Transfer and Commercialization
Group/Organization/Business Serviced: McMaster University, Hamilton, Ontario
Target Stakeholder: General Public
Outcome / Deliverable: Patent
Evidence of Uptake/Impact: Used as part of the intellectual property to establish a new biotechnology company called "Turnstone Biologics"
References / Citations / Web Sites: <http://www.turnstonebio.com/>
Activity Description: Bridle BQ, Lichty BD, Wan Y "Vaccination method utilizing follicular B cells" Provisional patent 61/446,248 (filed February 24, 2011)
- 2009/3 Co-Investigator, Technology Transfer and Commercialization
Group/Organization/Business Serviced: McMaster University, Hamilton, Ontario
Target Stakeholder: General Public
Outcome / Deliverable: Patent
Evidence of Uptake/Impact: Used as part of the intellectual property to establish a new biotechnology company called "Turnstone Biologics"
References / Citations / Web Sites: <http://www.turnstonebio.com/> <http://www.google.com/patents/WO2010105347A1?cl=en>
Activity Description: Bridle BW, Bramson J, Lichty BD, Wan Y "Vaccination Methods" PCT Patent application No. PCT/CA2010/000379 (PCT filed March 16, 2010) national phase filings in Europe, North America, and China underway
- 2019/9 - 2030/7 Co-Founder, Involvement in/Creation of Start-up
Group/Organization/Business Serviced: IHN Pharma, Inc.
Target Stakeholder: Patients
Outcome / Deliverable: Novel biotherapies for the treatment of cancers.
Evidence of Uptake/Impact: This company is in the start-up phase.
Activity Description: Along with six collaborators, we are establishing a start-up biotechnology company called "INH Pharma, Inc." to leverage intellectual properties related to proprietary oncolytic viruses.

Committee Memberships

- 2019/8 Committee Member, Chair search committee, University of Guelph
To recruit and hire a new Chair for the Department of Pathobiology
- 2019/6 Committee Member, Faculty Search Committee, University of Guelph
To hire a new virologist for a tenure-track faculty position in the Department of Pathobiology

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| 2018/9 | Committee Member, Virology and Viral Pathogenesis Grant Review Panel, Canadian Institutes of Health Research Review and rank grant proposals. |
| 2017/12 | Chair, Department of Pathobiology Awards Committee, University of Guelph Review and rank applications for academic awards. |
| 2017/12 | Committee Member, Ontario Veterinary College Graduate Awards Committee, University of Guelph Review and rank award applications from graduate students at the college level. |
| 2017/12 | Committee Member, Scientific Review Committee for the Pet Trust Foundation, University of Guelph Review and rank applications to the Pet Trust Foundation's bi-annual operating grant competitions. |
| 2017/12 | Committee Member, Ontario Veterinary College Undergraduate Awards Committee, University of Guelph Review and rank award applications from students in the Doctor of Veterinary Medicine and other undergraduate programs within the Ontario Veterinary College. |
| 2016/7 | Committee Member, Department of Pathobiology Seminar Series Committee, University of Guelph Help schedule a weekly seminar series that spans the Fall and Winter semesters. Host external speakers. |
| 2014/12 | Co-chair, Ad hoc committee to manage the University of Guelph's flow cytometry facility., University of Guelph Co-management of institutional core flow cytometry facility (two high-throughput analytical flow cytometers, plus one flow sorter). Other co-managers: Dorothee Bienzle and Brandon Plattner. |
| 2014/9 | Ex-Officio, Scientific Reviewer for Animal Care Committee, University of Guelph Provide expert scientific reviews of animal utilization protocols that have been submitted to the institutional animal care committee. |
| 2014/1 | Committee Member, Department of Pathobiology Research Committee, University of Guelph Identify, review and make recommendations related to departmental research issues. |
| 2020/7 - 2020/8 | Committee Member, Cancer Biology and Therapeutics Grant Review Panel, Canadian Institutes of Health Research Review and rank grant applications. |
| 2020/6 - 2020/7 | Chair, PhD Qualifying Examination Committee, University of Guelph Examinee: Melanie Iverson |
| 2020/5 - 2020/6 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Ran Xu |
| 2020/4 - 2020/5 | Committee Member, PhD Thesis Examination Committee, University of Guelph Examinee: Robert Mould |
| 2020/4 - 2020/5 | Committee Member, MSc Thesis Examination Committee, University of Guelph Examinee: Elana Raaphorst |
| 2020/3 - 2020/5 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Sugandha Raj |
| 2019/12 - 2020/1 | Committee Member, PhD Thesis Examination Committee, University of Guelph Examinee: Maedeh Darzianiazizi |

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| 2019/11 - 2019/12 | Chair, PhD Qualifying Examination Committee, University of Guelph Examinee: Ayumi Matsuyama |
| 2019/7 - 2019/8 | Committee Member, Expert Review Committee, Canadian Foundation for Innovation To review a grant application for funding from the John R. Evans Leaders Fund |
| 2019/6 - 2019/7 | Committee Member, Technician search committee., University of Guelph To recruit and hire a new technician for the Department of Pathobiology |
| 2019/3 - 2019/5 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Seyed Hossein Karimi |
| 2019/3 - 2019/4 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Kristen Lamers (MSc) |
| 2019/3 - 2019/4 | Chair, Thesis Examination Committee, University of Guelph Examinee: Megan Neely (MSc) |
| 2019/3 - 2019/4 | Committee Member, MSc Thesis Examination Committee, University of Guelph Examinee: Kristen Lamers |
| 2019/2 - 2019/4 | Chair, PhD Qualifying Examination Committee, University of Guelph Examinee: Gary Lee |
| 2019/1 - 2019/2 | Committee Member, Thesis Examination, Tyndale College and Theological Seminary Examinee: Jeffrey Roy (DMin) |
| 2018/11 - 2019/1 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Karen Carlton |
| 2018/11 - 2018/12 | Committee Member, Thesis Examination Committee, University of Western Ontario Examinee: Corby Fink (PhD) |
| 2018/10 - 2018/12 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Thomas McAusland |
| 2018/9 - 2018/11 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Ashley Ross |
| 2018/7 - 2018/9 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Maedeh Darzianiazizi |
| 2018/4 - 2018/6 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Laura van Lieshout |
| 2018/3 - 2018/4 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Jegarubee Bavananthasivam (PhD) |
| 2017/12 - 2018/1 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Megan Strachan-Whaley (PhD) |
| 2017/12 - 2018/1 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Lisa Santry (PhD) |
| 2017/11 - 2018/1 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Nadiyah Alqazlan |
| 2017/10 - 2017/12 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Benoit Cuq |
| 2012/5 - 2017/11 | Committee Member, Department of Pathobiology Awards Committee, University of Guelph Review and rank applications for academic awards. |
| 2017/7 - 2017/9 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Carina Cooper |

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| 2017/6 - 2017/8 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Amanda AuYeung (MSc) |
| 2016/4 - 2017/4 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Megan Stachan-Whaley (written and oral portions of exam were separated due to a maternity leave). |
| 2017/1 - 2017/3 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Jacob van Vloten |
| 2016/12 - 2017/1 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Neda Barjesteh (PhD) |
| 2016/12 - 2017/1 | Committee Member, Thesis Examination Committee, University of Toronto Examinee: Tiffany Ho (MSc) |
| 2016/10 - 2016/12 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Peyman Asadian |
| 2014/1 - 2016/12 | Committee Member, Prostate Cancer Canada - Panel C - Experimental Therapeutics Grant Review Panel, Prostate Cancer Canada Review grants submitted to the "Experimental Therapeutics" panel and make recommendations for funding. |
| 2016/6 - 2016/8 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Kathy Matuszewska |
| 2016/4 - 2016/6 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Seyedmehdi Emam |
| 2015/8 - 2016/6 | Chair, Department of Pathobiology Seminar Series Committee, University of Guelph Help schedule a weekly seminar series that spans the Fall and Winter semesters. Host external speakers. |
| 2016/4 - 2016/5 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Shirene Singh (PhD) |
| 2016/2 - 2016/4 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Alexander Bekele-Yitbarek |
| 2015/8 - 2015/9 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Alexandra Rasiuk (MSc) |
| 2015/6 - 2015/8 | Chair, Thesis Examination Committee, University of Guelph Examinee: James Ackford (MSc) |
| 2013/6 - 2015/8 | Committee Member, Department of Pathobiology Seminar Series Committee, University of Guelph Help schedule a weekly seminar series that spans the Fall and Winter semesters. Host external speakers. |
| 2015/5 - 2015/5 | Committee Member, Doctor of Veterinary Medicine Admissions Interview Committee, University of Guelph Interviewed and ranked applicants to the Doctor of Veterinary Medicine program. |
| 2015/2 - 2015/4 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Jegarubee Bavananthasivam |
| 2014/12 - 2015/2 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Marianne Wilcox |
| 2014/7 - 2014/8 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Christian Ternamian (MSc) |

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| 2014/7 - 2014/8 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Zafir Syed (MSc) |
| 2014/5 - 2014/6 | Chair, Thesis Examination Committee, University of Guelph Examinee: Kelly Fleming (MSc) |
| 2013/12 - 2014/1 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Scott Walsh (PhD) |
| 2013/12 - 2013/12 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Shirene Singh |
| 2013/10 - 2013/12 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Lisa Santry |
| 2013/10 - 2013/11 | Chair, Thesis Examination Committee, University of Guelph Examinee: Shaun Kernaghan (MSc) |
| 2013/5 - 2013/6 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Ian Villanueva (MSc) |
| 2012/8 - 2012/9 | Committee Member, Thesis Examination Committee, University of Guelph Examinee: Sonja Zours (MSc) |
| 2012/6 - 2012/7 | Chair, Thesis Examination Committee, University of Guelph Examinee: Inas Elawadli (MSc) |
| 2012/3 - 2012/5 | Committee Member, PhD Qualifying Examination Committee, University of Guelph Examinee: Li Deng |
| 2012/3 - 2012/4 | Chair, Thesis Examination Committee, University of Guelph Examinee: Iman Mehdizadeh Gohari (MSc) |

Other Memberships

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| 2020/6 | Member, One Health Institute University of Guelph Within One Health, University of Guelph researchers work across disciplines and sectors to interrogate the biological and social factors that impinge on the health of organisms, from the level of molecules to that of ecosystems, with unique strengths in comparative medicine. This research also explores how these factors are shaped by environmental parameters, such as climate change, ultimately informing public health and environmental health practice and policy. |
| 2017/6 | Member Scientist, Dog Osteosarcoma Group: Biomarkers Of Neoplasia (DOG BONE) This groups consists of eight faculty members from the Ontario Veterinary College, University of Guelph, who share a vision for collaborative research to advance our understanding of canine osteosarcomas, how to predict clinical outcomes and to develop novel therapies. The group includes two veterinary oncologists, two veterinary surgical oncologists, a statistician, a veterinary pathologist, an immunologist and a cancer biologist. |
| 2016/9 | Member, European Academy for Tumor Immunology I was invited to be a member of this international organization that is based in Europe. The purpose is to promote international collaborations and unify research in the area of immunotherapies for cancers. |
| 2015/4 | Member Scientist, Canadian Oncolytic Virus Consortium (COVCo) COVCo is a pan-Canadian network of fifteen clinical and basic scientists dedicated to developing and advancing the oncolytic virus platform as a targeted and revolutionary approach to cancer therapeutics. Our common vision is that an iterative cycle of discovery and clinical testing is the fastest and most effective way to develop new biological therapeutics. We are funded by the Terry Fox Research Institute (Program Project Grant). |

- 2014/12 Member scientist, National Centre of Excellence in Biotherapeutics for Cancer Treatment (BioCanRx)
Total funding: \$60 million (\$25 million from the federal government + \$35 million from partners) over 5 years. Total # of researchers across Canada: 42 (representing 17 academic institutions). Also supported by: 8 private sector and 19 community partners. Scientific Director: Dr. John Bell, Ottawa Hospital Research Institute. I am one of the 42 founding members.
- 2012/1 Member, Institute for Comparative Cancer Investigation, University of Guelph
The Institute for Comparative Cancer Investigation at the University of Guelph facilitates translational oncology research in companion animals at the OVC Mona Campbell Centre for Animal Cancer by managing clinical trials and the Companion Animal Tumour Sample Bank. Our goals: to advance the understanding of cancer and improve treatment options to benefit both companion animal and human cancer patients.
- 2001/3 Member, Canadian Society for Immunology
The mandate of the Canadian Society for Immunology is to foster and support Immunology research and education throughout Canada

Most Significant Contributions

Using epigenetic modification to enhance oncolytic booster vaccine while abrogating autoimmune pathology

I discovered that an immunosuppressive histone deacetylase inhibitor (entinostat) could enhance oncolytic booster vaccines (Bridle BW et al. Molecular Therapy 2013 Apr;21(4):887-94). Regulatory T cells could be transiently suppressed with simultaneous up-regulation of major histocompatibility complex expression on tumour cells (making them more visible targets) and concomitant prolongation of viral oncolysis, resulting in more efficacious tumour-specific T cell responses. Importantly, the vitiligo normally associated with melanoma immunotherapy was abrogated. This was a novel strategy for separating anti-tumour autoimmunity from autoimmune pathology and was the first time anyone demonstrated the ability to dramatically improve anti-melanoma efficacy while simultaneously suppressing vitiligo; something the literature suggested could not be done. This garnered a patent and receipt of substantial research funding. This research is now being applied to leukemias.

Knowledge translation during the COVID-19 pandemic: Providing fact-based answers to the lay public, policy makers and courts of law

Beginning in May 2019 I began disseminating information about immunological concepts relevant to COVID-19. I have authored nine lay articles, served on two discussion panels, was a keynote speaker at five events (two were international conferences), I gave seven television interviews (three were for national news, including W5 and Global National News), I was interviewed for 35 newspaper/magazine articles (including National Geographic, The Globe and Mail, Toronto Star and Toronto Sun), I conducted 55 radio interviews spanning almost every province and one territory and included international interviews in New Zealand and Scotland, and I was asked to serve as an expert witness for two lawsuits related to COVID-19 (one in Calgary and one in the Ontario Superior Court of Justice).

From bench to bedside in five years: Synergizing oncolytic virotherapy with cancer immunotherapy

In 2010 I led a team that described a unique approach to synergize cancer immunotherapy with oncolytic virotherapy (Bridle BW, et al. *Molecular Therapy* 2010 Aug; 18(8):1430-9). This was accomplished using an oncolytic virus to boost pre-existing tumour-specific immune responses. The prevailing wisdom in the field was that immunotherapy and oncolytic virotherapy could not be effectively combined. However, I was able to prove this wrong and an optimized version of this therapy entered a phase I/II human clinical trial in January 2015, followed by three more clinical trials. This rapid progression from bench to bedside was facilitated by extensive collaborations, including the Terry Fox Foundation-funded Canadian Oncolytic Virus Consortium, of which I am a member. This also resulted in a patent application (I have 40% inventorship) that formed foundational intellectual property used to establish a biotechnology company (Turnstone Biologics).

Presentations

1. (2021). Answers to Outstanding Questions About COVID-19 Vaccines Will Dictate the Success or Failure of the Rollout. Second International COVID-19 Symposium, New Zealand
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
2. (2021). Answers to Outstanding Questions About COVID-19 Vaccines Will Dictate the Success or Failure of the Rollout. COVID-19 Panel Discussion: A Vaccine Recovery Hosted by the Infectious Disease Working Group, University of Toronto, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
3. (2020). Tumour Microenvironmental Barriers to Successful Oncolytic Virotherapy. McMaster Immunology Research Centre Seminar Series, McMaster University, Hamilton, Ontario, January 15, 2020, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
4. (2020). COVID-19: Realistic Timelines for Vaccine Development. Kitchener Public Library: Science Literacy Week (Webinar), Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
5. (2020). Kitchener Public Library: Science Literacy Week. Biology and Control of SARS-CoV-2 (Webinar), Canada
Main Audience: General Public
Invited?: Yes, Keynote?: No
6. Cristine J. Reitz, Faisal J. Alibhai, Tarak N. Khatua, Mina Rasouli, Byram W. Bridle, Thomas P. Burris, Tami A. Martino. (2020). Circadian Medicine to Treat Myocardial Infarction (Heart Attack): Targeting the Cardiac NLRP3 Inflammasome (poster). Society for Research on Biological Rhythms (SRBR) 2020 Virtual Conference, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
7. (2020). COVID-19 Vaccines: Facts to Inform Policies. New Zealand COVID-19 Science and Policy Symposium Webinar, New Zealand
Main Audience: Decision Maker
Invited?: Yes, Keynote?: Yes

8. Kiersten Hanada, Ashley Stegelmeier, Lily Chan, Yeganeh Mehrani & Byram Bridle. (2020). Calming the COVID-19 Storm: Developing a Model to Study Toxic Cytokine Responses to Viruses (poster; won 1st place). Ontario Veterinary College Summer Career Opportunities and Research Exploration Program, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
9. Ashley Stegelmeier, Kiersten Hanada, Khalil Karimi, Sarah Wootton, Byram Bridle. (2020). Developing a Murine Cytokine Storm Model with IFNAR-Knockout Mice to Rapidly Test SARS-CoV-2 Immunotherapies (oral presentation; won 1st place out of 40 presentations). University of Guelph Graduate Association On-Line Research Conference, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
10. Ashley A. Stegelmeier, Amanda W.K. AuYeung, Robert Mould, Thomas McAusland, Lisa Santry, Jacob van Vloten, Megan Strachan-Whaley, Elaine Klafuric, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2019). Off-Target Infection of Stimulated T Cells by Vesicular Stomatitis Virus has Implications for Single-Versus Multi-Dosing Oncolytic Virotherapy Protocols (poster and 'speed-talk' oral presentation). Annual Scientific Meeting of the Canadian Cancer Immunotherapy Consortium, Toronto, Ontario, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
11. (2019). Graduate Studies in the Department of Pathobiology (oral presentation as part of a panel discussion). Career Opportunities and Research Experience Summer Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
12. Lily Chan, Robert Mould, Sarah K. Wootton, Byram W. Bridle* and Khalil Karimi* *co-senior authors. (2019). Dendritic Cell Vaccines Provoke an Increase in the Number of Interleukin-22-Producing Type 3 Innate Lymphoid Cells in the Local Draining Lymph Nodes and in The Spleen (poster). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
13. Jacob van Vloten, Sarah K. Wootton* and Byram W. Bridle* (*co-equal senior authors). (2019). Quantifying T-Cell and Antibody Responses Induced by Antigen-Agnostic Immunotherapies (oral presentation). Ontario Veterinary College Graduate Student Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
14. (2019). Developing Novel Cancer Biotherapies (oral presentation). Canadian Cancer Society Relay for Life, Guelph, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
15. Ashley A. Ross, Amanda W.K. AuYeung, Robert Mould, Thomas McAusland, Lisa Santry, Jacob van Vloten, Megan Whaley, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2019). Off-Target Infection of Stimulated T Cells by Vesicular Stomatitis Virus Has Implications for Single- Versus Multi-Dosing Oncolytic Virotherapy Protocols (oral presentation). Ontario Veterinary College Graduate Student Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

16. Jacob P. van Vloten, Joelle C. Ingraio, Robert C. Mould, Lisa A. Santry, Khalil Karimi, D. Grant McFadden, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2019). An OrfV-Infected Cell Vaccine Induces Innate and Adaptive Immune Responses Against Osteosarcoma Metastases Resulting in Long-Term Survival. Annual Scientific Meeting of the Canadian Cancer Immunotherapy Consortium (poster and 'speed talk' oral presentation), Toronto, Ontario, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
17. E Klafuric, M Strachan-Whaley, L Santry, A AuYeung, J van Vloten, R Mould, T McAusland, ME Clark, J Minott, S Holtz, J Saturno, K Karimi, A Mutsaers, S Wootton and Byram W. Bridle. (2019). Combining Decitabine with Oncolytic Virotherapy Preferentially Kills Acute Leukemia Cells Via Lethal Oxidative Stress (poster). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
18. Maedeh Darzianiazizi (Mahi Azizi), Jacob Van Vloten, Shayan Sharif, Ravi Kulkarni, Byram W. Bridle*, Khalil Karimi* (*co-equal senior authors). (2019). Differential Sex-Mediated Hepatotoxicity Caused by a Viral Infection with a Concomitant Defect in Type I Interferon Signaling (oral presentation). Ontario Veterinary College Graduate Student Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
19. Robert Mould, Jacob van Vloten, Ashley Ross, Mankerat Singh, Anthony Mutsaers, James Petrik, Leonardo Susta, Geoffrey Wood, Sarah Wootton, Byram W. Bridle*, Khalil Karimi* (*co-equal senior authors). (2019). The Functional Utility Of A Unique Subset Of Bone Marrow-Derived Dendritic Cells For Cancer Vaccines (poster presentation). Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
20. Robert Mould, J. van Vloten, C. Fink, A. Ross, M. Singh, L. Susta, A. Mutsaers, J. Petrik, G. Wood, S. Wootton, G. Dekaban, Byram W. Bridle*, Khalil Karimi* (*co-equal senior authors). (2019). IL-12-secreting Dendritic Cells That Do Not Produce TNF- α Are A Minor Component Of 'Dendritic Cell Cultures' But The Dominant Antigen Presenters (poster presentation). Ontario Veterinary College Graduate Student Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
21. Elaine Klafuric, Megan Strachan-Whaley, Lisa Santry, Amanda AuYeung, Jacob van Vloten, Robert Mould, Thomas McAusland, Khalil Karimi, Anthony Mutsaers, Sarah Wootton and Byram W. Bridle. (2019). Combining Decitabine with Oncolytic Virotherapy Preferentially Kills Acute Myeloid Leukemia Cells Via Lethal Oxidative Stress (oral presentation). Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
22. Jacob P. van Vloten, Joelle C. Ingraio, Robert C. Mould, Lisa A. Santry, Khalil Karimi, D. Grant McFadden, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2019). An ORF Virus-Infected Cell Vaccine Induces Innate and Adaptive Immune Responses Against Osteosarcoma Metastases Resulting in Long-Term Survival (poster). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

23. Rghei, AD, Lieshout, LV, Shihua, H, Soule, G, Bridle, BW, Qui, X, and Wootton, SK. (2019). AAV-Mediated Expression of Monoclonal Antibodies for the Prevention of Marburg Virus Infection (poster). Annual Meeting of the American Society of Gene and Cell Therapy, Washington DC, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
24. Robert Mould, J van Vloten, C Fink, L Chan, A Stegelmeier, M Singh, L Susta, A Mutsaers, J Petrik, G Wood, S Wootton, G Dekaban, Byram W. Bridle* and Khalil Karimi* (*co-equal senior authors). (2019). IL-12-secreting Dendritic Cells That Do Not Produce TNF- α Are A Minor Component Of 'Dendritic Cell Cultures' But The Dominant Antigen Presenters. Annual Scientific Meeting of the Canadian Cancer Immunotherapy Consortium (poster and 'speed talk' oral presentation), Toronto, Ontario, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
25. Jason P. Knapp, Megan R. Strachan-Whaley, Elaine M. Klafuric and Byram W. Bridle. (2019). Combining Epigenetic Modifiers and Oncolytic Viruses to Treat Acute Leukemias throughout the Central Nervous System (poster). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
26. Cristine J. Reitz, Faisal J. Alibhai, Tarak N. Khatua, Mina Rasouli, Byram W. Bridle, Thomas P. Burris and Tami A. Martino. (2019). Circadian Medicine: Targeting the Cardiac Inflammasome to Prevent Heart Failure. 2nd Southern Ontario Cardiovascular Research Association Annual Conference, York University, October 18, 2019, Toronto, Ontario, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
27. Ashley A. Stegelmeier and Byram W. Bridle. (2019). Off-Target Infection of Stimulated T Cells by Vesicular Stomatitis Virus has Implications for Single- Versus Multi-Dosing Oncolytic Virotherapy Protocols. Annual Inter-Lab Retreat for the Canadian Oncolytic Virus Consortium, Elgin, Ontario, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
28. Thomas McAusland, Jacob van Vloten, Lisa Santry, Joelle Ingrao, Matthew Guilleman, Rozanne Arulanandam, Pierre Major, Jean-Simon Diallo, Leonardo Susta, Khalil Karimi, Byram W. Bridle, Sarah Wootton. (2019). Viral Sensitizer-Mediated Enhancement of Oncolytic NDV Leads to Rapid Clearance of Primary Tumours in a Mouse Model of Melanoma (poster and oral presentations). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
29. Alicia Vilorio-Petit, Geoffrey Wood, Anthony Mutsaers, Michelle Oblak, Brigitte Brisson, Byram Bridle, Paul Woods and David Pearl. (2019). DOGBONE: A Canine Research Platform for the Discovery of Reliable Biomarkers of Osteosarcoma Progression. Canadian Society for Molecular Biosciences, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
30. J Vloten, K Matuszewska, A Stegelmeier, L Santry, J Minott, T McAusland, E Klafuric, R Mould, K Karimi, G McFadden, J. Petrik, Byram W. Bridle*, and Sarah K. Wootton* *equal senior authors. (2019). ORF Virus as an Immunotherapy for Advanced-Stage Ovarian Cancers (poster). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

31. Ashley A. Stegelmeier, Amanda W.K. AuYeung, Robert Mould, Thomas McAusland, Lisa Santry, Jacob van Vloten, Megan Whaley, Elaine Klafuric, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2019). Off-Target Infection of Stimulated T Cells by Vesicular Stomatitis Virus has Implications for Single-Versus Multi-Dosing Oncolytic Virotherapy Protocols (poster and oral presentations). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
32. R Mould, J van Vloten, C Fink, L Chan, A Ross, M Singh, L Susta, A Mutsaers, J Petrik, G Wood, S Wootton, G Dekaban, Byram W. Bridle* and Khalil Karimi* *equal senior authors. (2019). IL-12-Secreting Dendritic Cells that do not Produce TNF- α are a Minor Component of 'Dendritic Cell Cultures' but the Dominant Antigen Presenters (poster). Summit for Cancer Immunotherapy, October 20-23, 2019, Victoria, BC, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
33. Jacob P. van Vloten, Lisa A. Santry, Elaine M. Klafuric, Thomas M. McAusland, Khalil Karimi, Grant McFadden, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2019). Quantifying T-Cell and Antibody Responses Induced by Antigen-Agnostic Immunotherapies (poster presentation). Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
34. Ashley A. Ross, Wing Ka Amanda AuYeung, Jim J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2018). Elucidating Infection of Stimulated Leukocytes by Oncolytic Viruses (poster presentation). Canadian Society for Immunology Annual Scientific Meeting, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
35. Elaine Klafuric, M. Strachan-Whaley, L. Santry, A. AuYeung, J. van Vloten, R. Mould, T. McAusland, M.E. Clark, J. Minott, S. Holtz, J. Saturno, K. Karimi, A. Mutsaers, S. Wootton and Byram W. Bridle. (2018). Combining Decitabine with Oncolytic Virotherapy Preferentially Kills Acute Leukemia Cells Via Lethal Oxidative Stress (oral and poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
36. Robert Mould, Jacob P. Van Vloten, Anthony Mustsaers, James J. Petrik, Leonardo Susta, Geoffrey Wood, Sarah K. Wootton, Byram W. Bridle* and Khalil Karimi* *co-senior authors. (2018). A Systematic Analysis of the Functional Utility of Bone Marrow-Derived Dendritic Cells as a Vaccine: Comparing Several Common Culturing Protocols (poster presentation). The 11th annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
37. Robert Mould, Jacob P. Van Vloten, Anthony Mustsaers, James J. Petrik, Leonardo Susta, Geoffrey Wood, Sarah K. Wootton, Byram W. Bridle* and Khalil Karimi* *co-senior authors. (2018). A Systematic Analysis of the Functional Utility of Bone Marrow-Derived Dendritic Cells as a Vaccine: Comparing Several Common Culturing Protocols (poster presentation). Canadian Society for Immunology Annual Scientific Meeting, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

38. Maedeh Darzianiazizi (aka Mahi Azizi), Robert C. Mould, Jacob P. van Vloten, Ashley A. Ross, Shayan Sharif, Ravi Kulkarni, Byram W. Bridle* and Khalil Karimi* (*co-senior authors). (2018). Upregulation of Programmed Death Ligand-1 (PDL-1) on Neutrophils in Response to Recombinant Vesicular Stomatitis Virus (rVSV_{m51}) Infection (oral and poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
39. Jacob P van Vloten, Robert C Mould, Joelle C Ingrao, James J Petrik, Grant McFadden, Sarah K Wootton and Byram W Bridle. (2018). An Orf Virus-Infected Cell Vaccine Elicits Long-Term Survival in an Osteosarcoma Lung Metastasis Model Through NK Cell Activity (poster and oral presentation). Canadian Society for Immunology Annual Scientific Meeting, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
40. Jacob P. van Vloten, Robert Mould, Mary Ellen Clark, Arthane Kodeeswaran, Katrina Geronimo, Julia De Carvalho Nakamura, Julia Saturno, Grant McFadden, James Petrik, Sarah Wootton and Byram W. Bridle. (2018). Pyrexia Impedes Oncolytic Rhabdovirus-Mediated Therapy (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
41. Samantha Holtz, Megan Strachan-Whaley, Mary-Ellen Clark, Robert Mould, Lisa Santry, Thomas McAusland, Sarah K. Wootton, Khalil Karimi and Byram W. Bridle. (2018). Combining Oncolytic Virotherapy with Epigenetic Modifiers to Treat Lymphomas (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
42. Megan R. Strachan-Whaley, Julia Saturno, Wing Ka Amanda AuYeung, Jacob P. vanVloten, Anthony Mutsaers, Sarah K. Wootton and Byram W. Bridle. (2018). Combining Decitabine with Oncolytic Viruses to Kill Acute Leukemias by Oxidative Stress (poster and oral presentation). Canadian Society for Immunology Annual Scientific Meeting, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
43. Maedeh Darzianiazizi (aka Mahi Azizi), Robert C. Mould, Jacob Van Vloten, Ashley Ross, Shayan Sharif, Ravi Kulkarni, Byram W. Bridle and Khalil Karimi. (2018). Innate Immune Responses to Recombinant Vesicular Stomatitis Virus: the Role of Type I Interferon Signaling and Neutrophils (poster presentation). Canadian Society for Immunology Annual Scientific Meeting, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
44. Maedeh Darzianiazizi (Aka Mahi Azizi), Robert C. Mould, Jacob Van Volten, Ashley Ross, Shayan Sharif, Ravi Kulkarni, Byram W. Bridle* and Khalil Karimi* *co-senior authors. (2018). Innate Immune Responses to Recombinant Vesicular Stomatitis Virus: Immunosuppressive Neutrophils (poster presentation). The 11th annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

45. Robert Mould, Mankerat Singh, Jacob van Vloten, Ashley Ross, Leonardo Susta, Anthony Mutsaers, James Petrik, Geoffrey Wood, Sarah Wootton, Byram W. Bridle* and Khalil Karimi* (*co-senior authors). (2018). Analyzing The Functional Utility Of Bone Marrow-Derived Dendritic Cells As A Cancer Vaccine: Investigation Of A Unique IL-12-Producing DC Subset (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
46. Jacob P. van Vloten, Robert Mould, Mary Ellen Clark, Arthane Kodeeswaran, Katrina Geronimo, Julia De Carvalho Nakamura, Julia Saturno, Grant McFadden, James Petrik, Sarah Wootton and Byram W. Bridle. (2018). Pyrexia Impedes Oncolytic Rhabdovirus-Mediated Therapy (oral presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
47. J. Paul Woods, Byram Bridle, Michelle Oblak, Robert Foster, Geoffrey Wood, Victoria Sabine, Jeff Hummel and Brian Lichty. (2018). Novel Oncolytic Maraba virus for the Adjuvant Treatment of Feline Mammary Carcinoma (poster presentation). Veterinary Cancer Society: Immunotherapy Workshop, Anchorage, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
48. Jacob P van Vloten, Robert C Mould, Joelle C Ingrao, James J Petrik, Grant McFadden, Sarah K Wootton and Byram W Bridle. (2018). An Orf Virus-Infected Cell Vaccine Elicits Long-Term Survival in an Osteosarcoma Lung Metastasis Model Through NK Cell Activity (oral presentation). The 11th annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
49. Ashley A. Ross, Amanda W.K. AuYeung, Robert Mould, Thomas McAusland, Lisa Santry, Jacob van Vloten, Megan Strachan-Whaley, James J. Petrik, Sarah K. Wootton and Byram W. Bridle. (2018). Infection of Stimulated Leukocytes by Oncolytic Viruses: Implications for Single- Versus Multi-Dosing Protocols (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
50. Lisa A. Santry, Jacob P. van Vloten, Robert C. Mould, Amanda W.K. AuYeung, Thomas M. McAusland, Byram W. Bridle* and Sarah K. Wootton* (*co-senior authors). (2018). Recombinant Newcastle Disease Viruses Expressing Checkpoint Inhibitors Induce a Proinflammatory State and Enhance Tumor-Specific Immune Responses in Two Syngeneic Mouse Models of Cancer (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
51. Ashley Ross, Amanda AuYeung, Robert Mould, Thomas McAusland, Jim Petrik, Sarah Wootton and Byram Bridle. (2018). Infection of Stimulated Leukocytes by Oncolytic Viruses: Implications for Single- Versus Multi-Dosing Protocols (oral presentation). Graduate Student Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

52. Thomas M. McAusland, Jacob P. van Vloten, Lisa A. Santry, Joelle C. Ingraio, Matthew Guilleman, Rozanne Arulanandam, Jean-Simon Diallo, Leo Susta, Khalil Karimi, Byram W. Bridle and Sarah K. Wootton. (2018). Enhancement of NDV-Mediated Oncolysis and Tumor Regression Through the Addition of Small Molecule Viral Sensitizers (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
53. Jessica Minott, Robert Mould, Mary Ellen Clark, Khalil Karimi and Byram W. Bridle. (2018). Assessing the Impact of Estrogen Receptor Signaling on the Efficacy of Oncolytic Viruses (poster presentation). Summit for Cancer Immunotherapy, Oct. 27-30, Banff, Alberta, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
54. Megan R. Strachan-Whaley, Amanda W.K. AuYeung, Jacob P. vanVloten, Julia Saturno, Lisa A. Santry, Thomas M. McAusland, Robert C. Mould, Anthony J. Mutsaers, Sarah K. Wootton and Byram W. Bridle. (2018). Decitabine Increases the Sensitivity of Leukemias to Oncolytic Viruses Through the Induction of Oxidative Stress (poster presentation). The 11th annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
55. Ashley A. Ross, Wing Ka Amanda AuYeung, Thomas McAusland, Lisa Santry, Jim J. Petrik, Sarah K. Wootton, Byram W. Bridle. (2018). Elucidating Infection of Stimulated Leukocytes by Oncolytic Viruses (oral presentation). The 11th annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
56. Li Deng, Robert C. Mould, Julia Kim, Wing Ka Amanda AuYeung, Byram W. Bridle. (2017). Construction and Validation of a Novel Vaccine for the Treatment of Canine Melanomas (poster presentation). Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
57. Li Deng, Robert C. Mould, Julia Kim, Wing Ka Amanda AuYeung, Byram W. Bridle. (2017). Construction and Validation of a Novel Vaccine for the Treatment of Canine Melanomas (poster presentation). 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
58. Kathy Matuszewska, Lisa Santry, Byram Bridle, Sarah K. Wootton, Jack Lawler, Jim Petrik. (2017). Combined Vessel Normalization and Oncolytic Virus Therapy in the Treatment of Advanced Stage Ovarian Cancer. 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
59. Julia Saturno, Jacob van Vloten, Lisa Santry, Robert Mould, Sarah Wootton, Byram Bridle. (2017). Temperature as a Confounding Variable in Oncolytic Virotherapy for Canine Melanomas. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

60. Megan Strachan-Whaley and Byram W. Bridle. (2017). Combining Oncolytic Viruses With Epigenetic Modifiers in Leukemia. 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
61. Mankerat Singh, Byram W. Bridle* and Khalil Karimi* *co-senior authors. (2017). Differentiating Dendritic Cells in the Presence of Interleukin-4 to Enhance their Potential as Vaccines (poster presentation; won first place in the undergraduate student category). Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
62. (2017). Cancer Biotherapies: Lessons Learned from Translational Research. RGE Murray Seminar Series, Western University, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
63. Megan Rae Strachan-Whaley, Amanda AuYeung, Julia Saturno, Lisa Santry, Byram W. Bridle. (2017). Decitabine Increases the Sensitivity of Acute Leukemic Cells to Oncolytic Viruses (poster and speed-talk presentations). 2017 Annual Scientific Meeting of the Terry Fox Research Institute November 4, 2017, Vancouver, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: Cancer Research Society (The) - PIN #19046; Terry Fox Research Institute (TFRI) - Project #1041
64. Megan Rae Strachan-Whaley, Amanda AuYeung, Julia Saturno, Lisa Santry, Byram W. Bridle. (2017). Decitabine Increases the Sensitivity of Acute Leukemic Cells to Oncolytic Viruses (poster presentation). Canadian Cancer Research Conference November 5-7, 2017, Vancouver, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: Cancer Research Society (The) - PIN #19046; Terry Fox Research Institute (TFRI) - Project #1041
65. Amanda WK AuYeung, Robert C. Mould, Jacob van Vloten, Mahi Azizi, Lisa Santry, Sarah K. Wootton, J. Paul Woods, Geoffrey Wood, James Petrik, Khalil Karimi and Byram W. Bridle. (2017). Virus-Induced Leukopenia: Challenging the Cell Trafficking Paradigm During Oncolytic Virotherapy. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
66. Anthony Mutsaers, Byram W. Bridle, Brigitte Brisson, Michelle Oblak, Alicia Vilorio-Petit, Geoffrey Wood and Paul Woods. (2017). Naturally-Occurring Bone Cancers in Pet Dogs as a Model of Human Osteosarcomas (poster presentation). Cancer Bone Society Annual Scientific Meeting, Indianapolis, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
67. Jacob van Vloten, Mary Ellen Clark, Arthane Kodeeswaran, Katrina Geronimo, Julia De Carvalho, Julia Saturno, Rob Mould, Grant McFadden, James Petrik, Sarah Wootton and Byram W. Bridle. (2017). Simulated Pyrexia Attenuates Rhabdovirus-Mediated Oncolysis of Cancer Cells. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

68. Maedeh Darzianiazizi, Katrina Allison, Byram Bridle* and Khalil Karimi* *co-senior authors. (2017). Sex Disparity in Innate Immune Responses to Recombinant Vesicular Stomatitis Virus: the Role of Type I Interferon Signaling and Neutrophils. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
69. Mankerat Singh, Byram W. Bridle* and Khalil Karimi* *co-senior authors. (2017). Differentiating Dendritic Cells in the Presence of Interleukin-4 to Enhance Their Potential as Vaccines. 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
70. Megan Strachan-Whaley, Amanda AuYeung, Lisa Santry, Tony Mutsaers, Sarah Wootton, Byram Bridle. (2017). A Combination of Oncolytic Viruses and Epigenetic Modifiers as a Novel Therapy for Acute Leukemias. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
71. R. Mould, A. AuYeung, J. van Vloten, D. Yu, L. Zhang, A. Pelin, J. Bell, Y. Wan, K. Karimi, L. Susta, J. Petrik, A. Mutsaers, G. Wood, S. Wootton and Byram W. Bridle. (2017). Clodronate-Mediated Depletion of Marginal Zone Macrophages Potentiates Rapid Induction of Tumour-Specific T Cell Responses by Oncolytic Virus Booster Vaccines. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
72. Lisa A. Santry, Amanda AuYeung, Thomas M. McAusland, Jacob P. van Vloten, Rob C. Mould, Kathy Matuszewska, Byram W. Bridle, James J. Petrik, Sarah K. Wootton. (2017). Evaluating the Therapeutic Potential of Oncolytic Newcastle Disease Virus in Mouse Models of Melanoma and Colon Carcinoma. 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
73. Amanda WK AuYeung, Robert C. Mould, Jacob van Vloten, Mahi Azizi, Lisa Santry, Sarah K. Wootton, J. Paul Woods, Geoffrey Wood, James Petrik, Khalil Karimi and Byram W. Bridle. (2017). Virus-Induced Leukopenia: Challenging the Cell Trafficking Paradigm During Oncolytic Virotherapy. 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
74. Kathy Matuszewska, Lisa Santry, Byram Bridle, Sarah K. Wootton, Jack Lawler, Jim Petrik. (2017). Combined Vessel Normalization and Oncolytic Virus Therapy in the Treatment of Advanced Stage Ovarian Cancer. Summit for Cancer Immunotherapy, Gatineau, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
75. Maedeh Darzianiazizi, Katrina Allison, Khalil Karimi, Byram Bridle. (2017). Sex Disparity in Innate Immune Responses to Recombinant Vesicular Stomatitis Virus: The Role of Type I Interferon Signaling and Neutrophils. 10th Annual Institute for Comparative Cancer Investigation Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
76. Presented by: Allison K Co-authors: Karimi K, Bridle BW. (2016). Gender Disparity in Innate Immune Responses to Viral Infection: The Role of Type I Interferon. Ontario Veterinary College - Career Opportunities and Research Experience Program (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No

Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) - 436264-2013

77. Presenter: Strachan-Whaley M Co-authors: AuYeung WA, Santry L, Mutsaers A, Wootton SK, Bridle BW. (2016). Sensitization of Leukemic Cells to Oncolytic Viruses Using Epigenetic Modifiers. Institute for Comparative Cancer Investigation 9th Annual Cancer Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Cancer Research Society (The) - 19046
78. Presenter: AuYeung WA Co-authors: Mould R, Woods JPI, Wood G, Petrik J, Bridle BW. (2016). Mechanisms That Allow Oncolytic Viral Replication Inside a Tumour Despite Pre-Existing Immunity Against a Virus-Encoded Antigen. Institute for Comparative Cancer Investigation 9th Annual Cancer Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: National Centre of Excellence in Biotherapies for Cancer Treatment (BioCanRx) - FY16 / ES3
79. Presenter: Matuszewska K Co-authors: Santry L, Bridle BW, Wootton S, Petrik JJ. (2016). Combined Vessel Normalization and Oncolytic Virus Therapy in the Treatment of Advanced Stage Ovarian Cancer. Summit for Cancer Immunotherapy (podium and poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
80. Presenter: de Carvalho J Co-authors: van Vloten J, Bridle BW. (2016). The Impact of Temperature on the Oncolytic Activity of Viruses. Ontario Veterinary College - Career Opportunities and Research Experience Program (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
Funding Sources: Cancer Research Society (The) - 19046
81. Presenter: Deng L Co-authors: Kim J, Mould RC, van Vloten J, AuYeung WA, Desai M, Bridle BW. (2016). From Mice to Humans Via Dogs: Development of a Novel Biotherapy for Osteosarcomas. Summit for Cancer Immunotherapy (poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Terry Fox Research Institute (TFRI) - 1041
82. Katrina Geronimo, Mary Ellen Clark, Arthane Kodeeswaran, Glen Kim and Byram Bridle. (2016). Hypoxia Variably Affects Oncolytic Virus Efficacy While Potentiating the Growth of Human Cervical Cancer Cells. Sanofi Biogenius Canada, Ontario - Greater Toronto Poster Competition, Toronto, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
83. (2016). Career Night (small group meetings with academic trainees to discuss aspects of a career as a faculty member). A career night hosted by the Faculty of Health Sciences PDF Association at McMaster University, Hamilton, ON. This was open to all trainees at McMaster University and other regional universities (there were attendees from U. of Waterloo and Guelph), Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

84. Presenter: AuYeung WA Co-authors: Mould R, Woods JP, Wood G, James P, Bridle BW. (2016). Mechanisms that Allow Oncolytic Viral Replication Inside a Tumour Despite Pre-Existing Immunity Against a Virus-Encoded Antigen (podium and poster presentation). Summit for Cancer Immunotherapy, Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: National Centre of Excellence in Biotherapies for Cancer Treatment (BioCanRx) - FY16 / ES3
85. Presenter: Desai M Co-authors: van Vloten J, Santry L, Bridle BW. (2016). Evaluating the Impact of Temperature on the Oncolytic Potential of Viruses In Canine and Murine Osteosarcoma Cells. Ontario Veterinary College - Career Opportunities and Research Experience Program (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
Funding Sources: Terry Fox Research Institute (TFRI) - 1041
86. Presenter: Woods JP Co-authors: Bridle BW, Oblak M, Foster R, Sabine V, Skowronski K, Hummel J, Lichty B. (2016). Novel Oncolytic Maraba Virus for the Adjuvant Treatment of Feline Mammary Carcinoma. Summit for Cancer Immunotherapy (poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
87. (2016). Cancer Biotherapies: Lessons Learned from Translational Research. Department of Molecular and Cellular Biology Seminar Series, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
88. Presenter: Strachan-Whaley M Co-authors: AuYeung WA, Santry L, Mutsaers A, Bienzle D, Wootton SK, Bridle BW. (2016). Sensitization of Leukemic Cells to Oncolytic Viruses Using Epigenetic Modifiers. Summit for Cancer Immunotherapy (poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Cancer Research Society (The) - 19046
89. Presenter: Woods JP Co-authors: Bridle BW, Bienzle D, Delay J, Morrison A, Cieplak M, Hummel J, Lichty B. (2016). A Safety Assessment of a Novel Oncolytic Maraba Virus in Cats. American College of Veterinary Internal Medicine Forum (poster presentation), Denver, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
90. Presenter: Mould R Co-authors: AuYeung WA, Wood G, Wootton SK, Susta L, Petrik JJ, Mustsaers A, Bridle BW. (2016). Increasing the Magnitude of Tumour-Specific T Cell Responses by Spreading a Vaccine Dose Across Multiple Injection Sites. Summit for Cancer Immunotherapy (podium and poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Terry Fox Research Institute (TFRI) - 1041
91. Presenter: Deng L Co-authors: Kim J, Mould RC, van Vloten J, AuYeung WA, Bridle BW. (2016). From Mice to Humans Via Dogs: Development of a Novel Biotherapy for Osteosarcomas. Institute for Comparative Cancer Investigation 9th Annual Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Terry Fox Research Institute (TFRI) - 1041

92. Presenter: Santry L Co-authors: van Vloten JP, Matuszewska K, Bridle BW, Petrik JJ, Wootton SK. (2016). Recombinant Newcastle Disease Virus as an Oncolytic Therapy for Ovarian and Prostate Cancers. American Society of Gene and Cell Therapy Annual Meeting (poster presentation), Washington, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
93. Presenter: Ingrao J Co-authors: Shapiro K, de Jong J, van Vloten J, Barta JR, Menzies PI, Bridle BW, Wootton SK. (2016). Development of a Vaccine Against Parasitic Abortion in Sheep. OMAFRA/Rural Policy Learning Commons 2016 Product Development Research Day, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
94. Arthane Kodeeswaran, Mary Ellen Clark, Katrina Geronimo, Glen Kim and Byram W. Bridle. (2016). The Effect of Temperature on the Efficacy of Oncolytic Viruses in Human Cervical Cancer Cells (awarded 3rd place). Sanofi Biogenius Canada, Ontario - Greater Toronto Poster Competition, Toronto, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
95. Presenter: van Vloten J Co-authors: Clark M, Geronimo K, Kodeeswaran A, Santry L, Mould RC, McFadden G, Petrik JJ, Wootton SK, Bridle BW. (2016). Fever-Grade Temperatures Attenuate Rhabdovirus-Mediated Oncolysis of Cancer Cells. Summit for Cancer Immunotherapy (poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Cancer Research Society (The) - 19046
96. Presenter: Saturno J Co-authors: van Vloten J, Santry L, Bridle BW. (2016). Temperature as a Confounding Variable in Oncolytic Virotherapy for Canine Melanomas. Ontario Veterinary College - Career Opportunities and Research Experience Program (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
Funding Sources: National Centre of Excellence in Biotherapies for Cancer Treatment (BioCanRx) - FY16 / ES3
97. Presenter: Mould RC Co-authors: AuYeung WA, Wood G, Wootton SK, Susta L, Petrik JJ, Mustaers A, Bridle BW. (2016). Increasing the Magnitude of Tumour-Specific T Cell Responses by Spreading a Vaccine Dose Across Multiple Injection Sites. Institute for Comparative Cancer Investigation 9th Annual Cancer Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Terry Fox Research Institute (TFRI) - 1041
98. Presenter: Saturno J Co-authors: van Vloten J, Santry L, Bridle BW. (2016). Temperature as a Confounding Variable in Oncolytic Virotherapy for Canine Melanomas. 2016 Meril NIH National Veterinary Scholars Symposium (poster presentation), Columbus, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: National Centre of Excellence in Biotherapies for Cancer Treatment (BioCanRx) - FY16 / ES3

99. Presenter: AuYeung WA Co-authors: Spangler-Forgione H, Woods JP, Petrik JJ, Wood G, Bridle BW. (2016). Suppression of Oxygen Reactive Species Decreases Melanogenesis Resulting in Melanomas with Reduced Immunogenicity. Summit for Cancer Immunotherapy (poster presentation), Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: National Centre of Excellence in Biotherapies for Cancer Treatment (BioCanRx) - FY16 / ES3
100. Presenter: van Vloten J Co-author: Bridle BW. (2016). Fever-Grade Temperatures Attenuate Rhabdovirus-Mediated Oncolysis of Cancer Cells. Institute for Comparative Cancer Investigation 9th Annual Cancer Research Symposium (podium presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: Cancer Research Society (The) - 19046
101. Poster presented by: AuYeung WKA Co-authors: Mould RC, Kim J, Spangler H, Bridle BW. (2015). Mechanisms that Allow Oncolytic Viral Replication Inside a Tumour Despite Pre-Existing Immunity Against a Virus-Encoded Antigen. Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
102. Presenter: Matuszewska K Co-authors: Santry L, Petrik J, Bridle BW, Wootton SK. (2015). Combined Vessel Normalization and Oncolytic Virus Therapy in the Treatment of Advanced Stage Ovarian Cancer. Ontario Veterinary College Graduate Student Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
103. Presenter: AuYeung WA Co-authors: Mould RC, Spangler H, Kim J, Bridle BW. (2015). Mechanisms that Allow Oncolytic Viral Replication Inside a Tumor Despite Pre-Existing Immunity Against a Virus-Encoded Antigen. Ontario Veterinary College Graduate Student Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: National Centre of Excellence in Biotherapies for Cancer Treatment (BioCanRx) - FY16 / ES3
104. Talk given by: Santry LA Co-authors: van Lieshout L, Au Yeung WKA, Bridle BW, Wootton SK. (2015). Manipulation of Akt Isoform Expression Levels and Their Effect on Transformation by the Jaagsiekte Sheep Retrovirus Envelope Protein. Workshop #22: Retroviruses II, 34th Annual Meeting of the American Society for Virology, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
105. Poster presented by: Spangler H* Co-authors: van Vloten J*, Wootton SK, Vilorio-Petit A, Bridle BW. (2015). Par6 Influences the Susceptibility of Mammary Carcinoma Cells to Oncolytic Viruses. Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
106. Poster presented by: Rasiuk A* Co-authors: Walsh S*, Bridle BW. (2015). The Necessity of the Type I Interferon Receptor in Regulating Cytokines Produced Upon Viral Infection. Poster Session #35: Viruses and Innate and Acquired Immunity, 34th Annual Meeting of the American Society for Virology, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

107. (2015). Companion Animal Cancer Biotherapies. The Hamilton Academy of Veterinary Medicine, Hamilton, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
108. Presenter: Mould R Co-authors: Kim J, Walsh S, de Jong J, Wood G, Wootton S, Susta L, Petrik J, Mutsaers A, Bridle BW. (2015). Combining Virotherapy with Immunotherapy to Treat Osteosarcoma in a Preclinical and Clinical Model. Ontario Veterinary College Graduate Student Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: Terry Fox Research Institute (TFRI) - 1041
109. Poster presented by: van Vloten JP* Co-authors: Ingrao J, Mould RC*, Bridle BW, Wootton SK. (2015). Assessing the Oncolytic Potential of ORFV Strains In Vitro. Poster Session #12: Oncolytic Viruses and Gene Therapy, 34th Annual Meeting of the American Society for Virology, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
110. Presenter: van Vloten J Co-authors: Wootton S, Bridle BW. (2015). Harnessing Immunogenic Cell Death to Potentiate Anti-Cancer Efficacy During ORFV-Induced Oncolysis. Ontario Veterinary College Graduate Student Research Symposium (podium presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

Funding Sources: Cancer Research Society (The) - 19046
111. Poster presented by: Strachan-Whaley MR* Co-authors: AuYeung A*, Kim J*, Bienzle D, Wootton SK, Bride BW. (2015). Using Viruses to Potentiate Epigenetic Modifier-Mediated Killing of Leukemic Cells. Poster Session #12: Oncolytic Viruses and Gene Therapy, 34th Annual Meeting of the American Society for Virology, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
112. Presenter: Ingrao J Co-authors: van Vloten J, Shapiro K, Barta J, Menzies P, Bridle BW, Wootton S. (2015). Development of Orf Virus (*Parapoxvirus ovis*) as a Multivalent Viral Vector Platform Against *Toxoplasma gondii*. Ontario Veterinary College Graduate Student Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
113. Talk given by: Kozak RA Co-authors: Hattin L*, Biondi MJ, Walsh S*, Morgenstern J*, Lusty E*, Chereponov V, McBey B-A, Leishman DP, Feld JJ, Bridle BW, Nagy É. (2015). In Vitro Oncolytic Activity of a Novel Orthoreovirus Against Hepatocellular Carcinoma. Workshop #43: Oncolytic Viruses, 34th Annual Meeting of the American Society for Virology, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
114. Poster presented by: Kim J Co-authors: AuYeung A, Deng L, Mould RC, Bridle BW. (2015). Assessment of the Potential to Treat Canine Cancers with an Oncolytic Vaccine. Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No

115. Presenter: Strachan-Whaley M Co-authors: AuYeung WA, Kim J, Bienzle D, Mutsaers A, Wootton S, Bridle BW. (2015). Combining Oncolytic Viruses with Epigenetic Modifiers as a Novel Therapy for Leukemia. Ontario Veterinary College Graduate Student Research Symposium (poster presentation), Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
Funding Sources: Cancer Research Society (The) - 19046
116. (2015). Canine Osteosarcoma Biotherapy: Revolutionizing How Bone Cancers are Treated in Humans. Valérie's Flutter Foundation Gala Dinner, Ottawa, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: Yes
117. Hattin, L.*, Kozak, R., & Bridle, B. W. (2014). Investigation of Recombinant NDV as an Oncolytic Therapy for Prostate Tumors. Poster presented by summer student Larissa Hattin. Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
118. Mould, R.*, Walsh, S.*, van Vloten, J.*, Wootton, S., & Bridle, B. W. (2014). Combining Antigen Presenting Cell-Based Vaccination with Oncolytic Viruses for the Treatment of Prostate Cancer Poster presented by summer student Robert Mould (awarded 3rd place). Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
119. Kim, J.*, Walsh, S.*, & Bridle, B. W. (2014). Screening Canine Melanoma and Osteosarcoma Specimens for Putative Tumour-Associated Antigen Expression. Poster presented by summer student Julia Kim. Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
120. van Vloten, J.*, de Jong, J.*, Rasiuk, A.*, Bridle, B. W., & Wootton, S. (2014). The Generation of Immune-Modulatory Gene-Knockout Orf Virus Recombinants for Use in Oncolytic Virotherapy Poster presented by Jacob Van Vloten. International Union of Microbiological Societies, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
121. Kozak, R., Hattin, L.*, Yeung, W. A., Lusty, E.*, Leishman, D., J. Feld, B. W. Bridle, E. Nagy. (2014). A Novel Orthoreovirus as a Potential Therapeutic for Hepatocellular Carcinoma Talk given by Robert Kozak. International Union of Microbiological Societies, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
122. Talan, M.*, Tin, B.*, Ternamian, C.*, Syed, Z.*, & Bridle, B. W. (2014). The Effects of Quercetin and Kaempferol on the Cytotoxicity of Carboplatin and Entinostat on Various Cancer Cell Lines Poster presented by Micaella Talan and Brittney Tin. Sanofi BioGENEius Challenge Canada, Toronto, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
123. Ternamian, C.* & Bridle, B. W. (2014). Oncolytic Rhabdoviruses in Combination with Histone Deacetylase Inhibition Synergistically Kill Murine B Lymphoblastic Leukemia Cells Talk given by Christian Ternamian. Institute for Comparative Cancer Investigation 7th Annual Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

124. Santry, L., Yeung, W. A.*, Bridle, B. W., & Wootton, S. (2014). Function of Akt Isoforms in Transformation by the Jaagsiekte Sheep Retrovirus Envelope Protein Talk given by Lisa Santry. International Union of Microbiological Societies, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
125. Kozak, R., Hattin, L.*, Feld, J., Ackford, J., Nagy, E., B. W. Bridle. (2014). Oncolytic Viruses as Therapy for Hepatocellular Carcinoma Poster presented by Robert Kozak. National CIHR Research Training Program in Hepatitis C, 3rd Canadian Symposium on HepC Virus, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
126. Syed, Z.*, Walsh, S.*, & Bridle, B. W. (2014). Treating High-Grade Glioma with Oncolytic Virotherapy and Histone Deacetylase Inhibitors Poster presented by Zafir Syed. Institute for Comparative Cancer Investigation 7th Annual Cancer Research Symposium, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
127. Walsh, S.*, Rasiuk, A.*, & Bridle, B. W. (2014). Negative Regulation of Cytokine Expression by Type One Interferon Signaling in VSV Infection Poster presented by Scott Walsh. International Union of Microbiological Societies, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
128. Van Vloten, J.*, de Jong, J.*, Rasiuk, A.*, Bridle, B. W., & Wootton, S. (2014). The Development of Recombinant Parapoxvirus ovis (OrfV) for Use in Oncolytic Virotherapy. Poster presented by summer student Jacob Van Vloten. Summer Research and Leadership Program, Ontario Veterinary College, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
129. (2014). Treating Feline Mammary Carcinoma With an Oncolytic Vaccine: Companion Animal Trials as a Stepping Stone Towards Successful Translation into Human Patients. Cancer Grand Rounds at Western University, London, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
130. (2013). A Novel Barrier to Cancer Immunotherapy in the Brain. Talk in the speed-poster session of the 6th annual meeting of the Canadian Cancer Immunotherapy Consortium; plus a poster presentation., Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
131. Poster presentation by my MSc student, Zafir Syed* Co-author: B. Bridle. (2013). Oncolytic Immunotherapy for the Treatment of High-Grade Glioma. Graduate Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
132. A poster presented by my MSc student, Christian Ternamian* Co-author: B. Bridle. (2013). Synergizing Oncolytic Virotherapy and HDAC Inhibition in a Murine Model of B-Cell Lymphoblastic Leukemia. Graduate Research Symposium, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

133. This was a talk given by my fourth-year research project student, Evan Lusty* Co-author: B. Bridle. (2013). Characterizing Oncolytic Viruses, Toll-Like Receptor Ligands and Histone Deacetylase Inhibitors in the In Vitro Treatment of Human Prostate Cancer. 6th Annual Cancer Research Symposium, Institute for Comparative Cancer Investigation, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
134. (2013). Tumour Immunology. Seminar presentation in the Cancer Biology rounds, Clinical Oncology Group, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
135. A poster presented by my undergraduate research assistant, Wing Ka Au Yeung* Co-author: B. Bridle. (2013). Development of a Flow Cytometry-Based Immunological Assay to Support Pre-Clinical and Clinical Companion Animal Cancer Trials. Ontario Veterinary College's Summer Leadership and Research Program, poster presentations., Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
136. Poster presentation by my undergraduate research associate, Evan Lusty* Co-presenter: Jason Morgenstern* Co-author: B. Bridle. (2012). Establishment of Leukemia/Lymphoma Cell Lines from Clinical Specimens and Evaluation of Their Susceptibility to Oncolytic Viruses. Summer Leadership and Research Program, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
137. (2012). Replication-Deficient Adenovirus and Oncolytic Rhabdoviruses as Cancer Vaccines. Keynote speaker at symposium entitled "Viral delivery and nanoparticle vectors" organized by students in Molecular Virology (MICR*4330) course, University of Guelph., Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes, Competitive?: No
138. (2012). Paradoxically, Immunotherapy Might be More Efficacious When Tumours are Inside the Brain. Plenary talk at the "Modelling Cancer In Vivo, In Vitro and In Silico" session of the Institute for Comparative Cancer Investigation 4th Annual Cancer Research Symposium, University of Guelph., Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
139. Poster presentation by my undergraduate research assistant, Jason Morgenstern* Co-presenter: Evan Lusty* Co-author: B. Bridle. (2012). Using an Innate Anti-Viral Immune Response in the Presence of a Histone Deacetylase Inhibitor to Treat Leukemias. Summer Leadership and Research Program, Ontario Veterinary College, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
140. (2012). Using Oncolytic Viruses to Potentiate Immunotherapy for Childhood Cancers. Talk given at the Canadian Oncolytic Virus Consortium Annual Meeting, Lake Cecebe, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
141. Poster presentation by B. Bridle Co-authors: Chantal Lemay, Jean-Simon Diallo, Lan Chen, Jonathan Pol, Andrew Nguyen, Jonathan Bramson, John Bell, Brian Lichty and Yonghong Wan. (2011). A Histone Deacetylase Inhibitor Dramatically Improves the Therapeutic Index of an Oncolytic Vaccine by Augmenting Anti-Tumour Activity While Inhibiting Autoimmune Sequellae. CIHR New Principal Investigators Meeting, Toronto, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No

142. Poster presentation by Jonathan Pol Co-authors: Byram Bridle, Liang Zhang, Stephen Hanson, Natasha Kazdhan, Jonathan Bramson, David Stojdl, Yonghong Wan, Brian Lichty. (2011). Maraba virus: a new vector for oncolytic viro-immunotherapy. 6th International Conference on Oncolytic Viruses as Cancer Therapeutics, Las Vegas, United States
Main Audience: Researcher
Invited?: No, Keynote?: No
143. Poster presentation by Jonathan Pol Co-authors: Byram Bridle, Liang Zhang, Stephen Hanson, Natasha Kazdhan, Jonathan Bramson, David Stojdl, Yonghong Wan, Brian Lichty. (2011). Maraba virus: a new vector for oncolytic viro-immunotherapy. 14th Annual Meeting of the Translational Research Cancer Centers Consortium, Seven Springs, United States
Main Audience: Researcher
Invited?: No, Keynote?: No
144. (2011). Oncolytic Vaccines: the Billion Dollar Idea. Seminar Series, Ottawa Hospital Research Institute, Ottawa, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
145. (2011). A Histone Deacetylase Inhibitor Dramatically Improves the Therapeutic Index of an Oncolytic Vaccine by Augmenting Anti-Tumour Activity While Inhibiting Autoimmune Sequella. Talk given in the concurrent symposium "Personalized Medicine: From Discovery and Validation to Implementation", 1st Annual Canadian Cancer Research Conference., Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
146. (2011). Rapid and Massive Boosting of Tumour-Specific T Cells by Targeting Antigen Presentation to Follicular B Cells. Concurrent session, 14th Annual Meeting of the Translational Research Cancer Centers Consortium., Seven Springs, United States
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
147. (2011). Immunoediting and Immunotherapy of Cancers. Seminar presentation in the Cancer Biology rounds, Clinical Oncology Group, University of Guelph, Guelph, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
148. (2010). Antigen Presentation by B Cells Maximizes Secondary T Cell Number and Quality: Implications for Booster Vaccines. 1st Annual McMaster University Faculty of Health Sciences Post-Doctoral Research Day (received award for best presentation), Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
149. Poster presented by Liang Zhang. Co-authors: Byram Bridle, Jonathan Pol, Allison Rosen, Jonathan Bramson, Brian Lichty, Yonghong Wan. (2010). Virus infected B cells are potent antigen presenting cells. 3rd Annual Cancer Immune Therapy Symposium, Niagara Falls, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
150. Poster presented by Stephen Hanson. Co-authors: Byram Bridle and Brian Lichty. (2010). The placenta specific gene Plac1 is a potential target for therapeutic cancer vaccines. Ontario Institute for Cancer Research Annual Meeting, Alliston, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No

151. Additional co-chair: Tommy Alain, McGill University. (2010). Improving the Therapeutic Index of Cancer Immunotherapy With A Histone Deacetylase Inhibitor Also, was the session co-chair, leading a discussion on the viro- vs. immune-centric approach to oncolytic virotherapy. Ontario Regional Biotherapeutics Program, 2nd Annual Scientific Retreat, Haliburton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
152. (2010). Fine-Tuning Oncolytic Immunovirotherapy With A Histone Deacetylase Inhibitor. Meeting of the Canadian Oncolytic Virus Consortium, Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
153. Oral presentation by Brian Lichty. Co-authors: Byram Bridle, K. Stephenson, J. Boudreau, S. Koshy, N. Kazdhan, E. Pullenayegum, J. Brunellière, J. Bramson and Y. Wan. (2010). Potentiating cancer immunotherapy using an oncolytic virus. 4th European Congress of Virology, Cernobbio, Italy
Main Audience: Researcher
Invited?: Yes, Keynote?: No
154. Poster presented by Jonathan Pol. Co-authors: Byram Bridle, Natasha Kazdhan, Jonathan Bramson, David Stojdl, Yonghong Wan, Brian Lichty. (2010). Maraba virus: a new oncolytic vaccine vector. Ontario Institute for Cancer Research Annual Meeting, Alliston, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
155. (2010). Antigen Presentation by B Cells Maximizes Secondary T Cell Number and Quality: Implications for Booster Vaccines. 1st session, 3rd Annual Meeting of the Canadian Cancer Immunotherapy Consortium, Niagara Falls, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
156. (2010). Fine-Tuning Oncolytic Immunovirotherapy with a Histone Deacetylase Inhibitor. Concurrent session, Annual Meeting, Ontario Institute for Cancer Research, Alliston, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
157. Poster presented by Liang Zhang. Co-authors: Byram Bridle, Jonathan Pol, Allison Rosen, Jonathan Bramson, Brian Lichty, Yonghong Wan. (2010). Virus infected B cells are potent antigen presenting cells. 23rd Annual Meeting of the Canadian Society for Immunology, Niagara Falls, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
158. (2009). Treating Brain Cancer with Immunotherapy and Oncolytic Viruses. Research Seminar Series, Central Animal Facility, McMaster University, Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
159. Poster Presentation by B. Bridle Co-authors: Kyle Stephenson, Jeanette Boudreau, Sandeep Koshy, Natasha Kazdhan, Jonathan Bramson, Brian Lichty and Yonghong Wan. (2009). Potentiating cancer immunotherapy using an oncolytic virus. McMaster Industry Liaison Office Innovation Showcase, Hamilton, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
160. Jean-Simon Diallo, Ottawa Hospital Research Institute. (2009). Session Co-Chair; Led a discussion on: Combination Cancer Treatment Strategies. Ontario Regional Biotherapeutics Program, 1st Annual Scientific Retreat, Haliburton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No

161. Poster presentation. Co-presenters: Kyle Stephenson, Jeanette Boudreau, Sandeep Koshy, Natasha Kazdhan, Jerome Brunellière, Jonathan Bramson, Brian Lichty B and Yonghong Wan. (2009). Embracing anti-viral immunity to make an oncolytic vector more effective. The 5th International Meeting on Replicating Oncolytic Virus Therapeutics, Banff, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
162. Poster Presentation by B. Bridle Co-authors: Ruby Chang, Brian Lichty, Shucui Jiang, Jonathan Bramson and Yonghong Wan. (2009). Immunotherapy can reject intracranial tumour cells without overt damage to the brain despite sharing the target antigen. Ontario Institute for Cancer Research Annual Meeting, Alliston, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
163. Poster presentation given by Jeanette Boudrea. Co-authors: Kyle Stephenson, Patrick Palidino, Byram Bridle, Brian Lichty, Jonathan Bramson and Yonghong Wan. (2009). Activation of natural killer cells by dendritic cell vaccines is strongly influenced by maturation protocol and plays a key role in determining cancer therapeutic efficacy. Ontario Institute for Cancer Research Annual Meeting, Alliston, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
164. Oral presentation given by Brian Lichty. Co-authors: Byram Bridle, Kyle Stephenson, Jeanette Boudreau, Sandeep Koshy, Natasha Kazdhan, Jerome Brunellière, Jonathan Bramson and Yonghong Wan. (2009). Vaccinating against an oncolytic virus can enhance therapy. Plenary Session, The 5th International Meeting on Replicating Oncolytic Virus Therapeutics, Banff, AB, 2009, Banff, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
165. (2008). Combining Cancer Vaccination with Viral Oncolysis to Maximize Tumour Destruction. Ottawa Hospital Research Institute Seminar Series, Ottawa, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
166. (2008). Combining Immunological and Oncolytic Virotherapy to Treat Brain Cancer. Infection and Immunity Seminar Series, McMaster University, Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No

Broadcast Interviews

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| 2021/04/07 | Decisions Made by the National Advisory Committee on Immunization Re: COVID-19 Vaccines, Interviewed by host Alex Pierson for the ON Point radio show, AM640 Toronto |
| 2021/04/01 | Transmission of SARS-CoV-2 Via Aerosols, Interviewed by host Arlene Bynaon for the ON Point radio show, AM640 Toronto |
| 2021/03/25 | COVID-19 Vaccine Hesitancy, Interviewed by host Alex Pierson for the ON Point radio show, AM640 Toronto |
| 2021/03/23 | Risk of Damage to Children's Immune Systems Due to Prolonged COVID-19 Policy-Mandated Isolation, Interviewed by host Alex Pierson for the ON Point radio show, AM640 Toronto |
| 2021/03/16 | Risk of Damage to Children's Immune Systems Due to Prolonged COVID-19 Policy-Mandated Isolation, Interviewed by host Mike Stubbs for Global News Radio London (980 CFPL). |

- 2021/03/12 Risk of Damage to Children's Immune Systems Due to Prolonged COVID-19 Policy-Mandated Isolation, Interviewed by host Shayne Ganam for 770CHQR Global News, Calgary.
- 2021/03/12 Risk of Damage to Children's Immune Systems Due to Prolonged COVID-19 Policy-Mandated Isolation, Interviewed by host Alex South for Sputnik Radio in Edinburgh, Scotland
- 2021/03/11 A year of COVID-19 lockdown is putting kids at risk of allergies, asthma and autoimmune diseases, 570 News Talk Radio (Kitchener, Ontario, Canada) I was interviewed by host Brian Burke.
- 2021/03/11 A year of COVID-19 lockdown is putting kids at risk of allergies, asthma and autoimmune diseases, CTV National News Interviewed by Merella Fernandez for the national news show.
- 2021/03/11 A year of COVID-19 lockdown is putting kids at risk of allergies, asthma and autoimmune diseases, CTV News Kitchener I was interviewed by host Carmen Wong for the local news show.
- 2021/03/09 5 factors that could dictate the success or failure of the COVID-19 vaccine rollout, 106.5 ELMNT FM Toronto/95.7 ELMNT FM Ottawa I was interviewed by host David Moses for a show called "Moment of Truth".
- 2021/02/22 Byram Bridle, Associate Professor of Viral Immunology at the University of Guelph talks to Peter about the COVID vaccine, Magic Talk radio program, New Zealand, <https://www.magic.co.nz/home/news/2021/02/byram-bridle--associate-professor-of-viral-immunology-at-the-uni.html>, Peter Williams
- 2021/02/18 5 factors that could dictate the success or failure of the COVID-19 vaccine rollout, Magic Talk Radio, Mediaworks, New Zealand I was interviewed live on air by host Peter Williams
- 2021/02/12 5 factors that could dictate the success or failure of the COVID-19 vaccine rollout, 570 News Talk Radio (Kitchener, Ontario, Canada) Interviewed live on radio by host Mike Farwell
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Windsor, Ontario I was interviewed on radio.
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Peterborough/Kingston/Barrie, Ontario I was interviewed on the "Ontario Morning" radio show.
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, ELMNT FM Radio, 106.5 FM in Toronto and 95.7 FM in Ottawa I was interviewed on the David Moses talk show.
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Toronto, Ontario I was interviewed on radio.
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, London, Ontario I was interviewed on radio.
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Sudbury, Ontario I was interviewed on radio.
- 2020/12/14 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Sudbury, Ontario I was interviewed on radio.
- 2020/12/14 Article title: The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Kitchener, Ontario I was interviewed on radio.

- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Sudbury, Ontario I was interviewed by host Jonathan Pinto on the "Up North" program.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Montreal, Quebec I was interviewed by host Sabrina Marandola on the "Let's Go" program.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Vancouver, British Columbia I was interviewed by host Gloria Macarenko on the "On the Coast" program.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, London/Windsor, Ontario I was interviewed by host Chris dela Torre on the "Afternoon Drive" program.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Whitehorse, Yukon I was interviewed by host Dave White on the "Airplay" program.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, UK Radio, Radio Sputnik, Edinburgh, Scotland I was interviewed by host Alex South.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Saskatchewan I was interviewed by host Garth Materie on the "Afternoon Edition" program.
- 2020/11/25 The mink link: How COVID-19 mutations in animals affect human health and vaccine effectiveness, CBC Radio, Winnipeg, Manitoba I was interviewed on the "Up to Speed" program.
- 2020/10/12 - "U of G Covid Vaccine Research", <https://www.facebook.com/uofguelph/videos/u-of-g-covid-vaccine-research/274022033801852/>, Facebook video
- 2020/10/10 - "Training our immune systems: Why we should insist on a high-quality COVID-19 vaccine", Interviewed live on-air (two time slots) for 'Weekend Mornings on CKNW' by host Stirling Faux, CKNW Radio, Vancouver, BC
- 2020/10/08 - "Training our immune systems: Why we should insist on a high-quality COVID-19 vaccine", Interviewed live on-air by host Brian Bourke, 570 News Talk Radio (Kitchener, Ontario, Canada)
- 2020/08/16 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk", Interviewed by Miriam Harris for a radio show, Newshub in Auckland, New Zealand
- 2020/08/16 - "COVID-19 Vaccines:<?>Facts to Inform Policies", <https://www.youtube.com/watch?v=HndetYzK8gU>, New Zealand's COVID-19 Science and Policy Symposium
- 2020/08/05 - "Why vaccines are less effective in the elderly, and what it means for COVID-19", Interviewed live on-air on the Mike Farwell show, 570 News Talk Radio (Kitchener, Ontario, Canada)
- 2020/07/29 - "Why vaccines are less effective in the elderly, and what it means for COVID-19", Interviewed live on-air by host Scott Radley, 900 CHML (radio station in Hamilton, Ontario, Canada)
- 2020/07/27 - "Why vaccines are less effective in the elderly, and what it means for COVID-19", Interviewed live on air by host Jill Bennett, NewsTalk 980 CKNW, Vancouver (radio)

- 2020/07/13 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/07/13 Interviewed by host David Moses for a second, follow-up talk show, ELMNT FM Radio; 106.5 FM in Toronto and 95.7 FM in Ottawa
- 2020/07/07 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/07/07 Interviewed by host David Moses for a talk show, ELMNT FM Radio; 106.5 FM in Toronto and 95.7 FM in Ottawa
- 2020/07/01 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/07/01 Interviewed for television by host Neetu Garcha (<https://globalnews.ca/video/7128780/when-will-a-covid-19-vaccine-be-ready>), Global BC's Morning News
- 2020/07/01 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at
2020/07/01 risk", Interviewed live on-air by host Mike Stubbs, Global News Radio 980 CFPL (London, Ontario, Canada)
- 2020/06/22 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/06/22 Interviewed live on-air by host Devon Peacock, Global News Radio 980 CFPL (London, Ontario, Canada)
- 2020/06/21 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at
2020/06/21 risk", Interviewed by Mercedes Stephenson (<https://globalnews.ca/video/7088465/short-timelines-for-coronavirus-vaccine-are-giving-people-false-hope-bridle>), The West Block (Global National News)
- 2020/06/18 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/06/18 Live on-air interview with host Kristy Cameron, CFRA 580 News Talk Radio (Ottawa, Ontario, Canada)
- 2020/06/18 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/06/18 Live on-air interview with hosts Sue Deyell And Andrew Schultz, Global News Radio 770 CHQR (Calgary, Alberta, Canada)
- 2020/06/17 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/06/17 Global News Radio 900 CHML (Hamilton, Ontario, Canada), Live on-air interview with host Scott Thompson
- 2020/06/17 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/06/17 Live on-air interview with hosts Chelsea Bird and Shaye Ganam, Global News Radio 630 CHED (Edmonton, Alberta, Canada)
- 2020/06/15 - "Fast COVID-19 vaccine timelines are unrealistic and put the integrity of scientists at risk",
2020/06/15 Interviewed live on-air for the Jill Bennett Show by guest host Stirling Faux, Global News Radio 980 CKNW (Vancouver, British Columbia, Canada)
- 2020/05/28 - "Can antibody tests tell us who is immune to COVID-19?", Interviewed live on-radio by
2020/05/28 hosts Sue Deyell and Andrew Schultz., Global News Radio 770 CHQR (Calgary, Alberta, Canada)
- 2019/09/20 - "Biotherapies for the Treatment of Bone Cancers", Video made for students prior to their
2019/09/20 participation in the Terry Fox Run., Country Day School, King City, Ontario
- 2016/07/15 - "Ontario Vet College cancer treatment breakthrough spurs human clinical trials", Radio
2016/07/15 One, Live on-air 7-minute radio interview
- 2016/07/14 - "Cancer breakthrough out of the OVC", CTV News (video) <http://guelph.ctvnews.ca/cancer-breakthrough-out-of-the-ovc-1.2987216>, CTV
2016/07/14
- 2016/05/10 - "Dogs with cancer could lead researchers to treatments for humans", Toronto Star (video)
2016/05/10 <https://www.thestar.com/news/2016/05/10/dogs-with-cancer-could-lead-researchers-to-treatments-for-humans.html>, Toronto Star

- 2015/08/29 - "Canine osteosarcoma biotherapy trial", CTV Kitchener News (video) <http://kitchener.ctvnews.ca/video?clipId=692297>, CTV Kitchener
- 2015/08/19 - "Dog Cancer Research", CHCH Hamilton News (video) <http://www.chch.com/dog-cancer-research/>, CHCH Hamilton

Text Interviews

- 2021/03/30 'It is essentially akin to solitary confinement': UofG viral immunologist frustrated by child COVID-19 quarantine messaging, Jessica Lovell, Guelph Mercury
Description / Contribution Value: <https://www.guelphmercury.com/news-story/10360821--it-is-essentially-akin-to-solitary-confinement-uofg-viral-immunologist-frustrated-by-child-covid-19-quarantine-messaging/>
- 2021/03/24 U of G scientists concerned about extended interval between COVID-19 vaccine doses, Joanne Shuttleworth, The Wellington Advertiser
Description / Contribution Value: <https://www.wellingtonadvertiser.com/u-of-g-scientists-concerned-about-extended-interval-between-covid-19-vaccine-doses/>
- 2021/03/22 Viral immunologist speaks out against 'abusive' child-quarantine policies, Anthony Furey, Toronto Sun
Description / Contribution Value: <https://torontosun.com/news/provincial/viral-immunologist-speaks-out-against-abusive-child-quarantine-policies>
- 2021/03/17 COVID-19: Isolation increases risk of immunological disorders, immunologist says, Luke Schulz, Guelph Today
Description / Contribution Value: <https://www.guelphtoday.com/around-ontario/covid-19-isolation-increases-risk-of-immunological-disorders-immunologist-says-3546013>
- 2021/03/11 Lockdown measures could impact children's immune systems, Carmen Wong, CTV News Kitchener
Description / Contribution Value: <https://kitchener.ctvnews.ca/lockdown-measures-could-impact-children-s-immune-systems-1.5344205>
- 2021/03/10 A year of COVID-19 lockdown is putting kids at risk of allergies, asthma and autoimmune diseases, National Post
Description / Contribution Value: <https://nationalpost.com/pmnn/news-pmn/a-year-of-covid-19-lockdown-is-putting-kids-at-risk-of-allergies-asthma-and-autoimmune-diseases>
- 2020/12/15 Lack of reviews of COVID vaccine raises concern with U of G expert, Anam Khan, Guelph Today
Description / Contribution Value: <https://www.guelphtoday.com/coronavirus-covid-19-local-news/lack-of-reviews-of-covid-vaccine-raises-concern-with-u-of-g-expert-3184264>
- 2020/12/05 How COVID-19 mutations in animals affect human health and vaccine effectiveness, Halifax Today
Description / Contribution Value: <https://www.halifaxtoday.ca/coronavirus-covid-19-local-news/how-covid-19-mutations-in-animals-affect-human-health-and-vaccine-effectiveness-3154400>
- 2020/08/16 "Covid Shutdowns May Continue Until Vaccine Found", Scoop Independent News (New Zealand) (<https://www.scoop.co.nz/stories/GE2008/S00084/viral-immunologist-says-a-vaccine-in-nz-will-be-late-limited-and-last.htm>)
- 2020/08/05 "COVID-19 vaccines could be less effective in the elderly", Kitchener Today (<https://www.kitchenertoday.com/regional-news/covid-19-vaccines-could-be-less-effective-in-the-elderly-2614914>)

- 2020/07/17 "Why those most at risk of COVID-19 are least likely to respond to a vaccine", National Geographic Online (<https://www.nationalgeographic.com/science/2020/07/why-those-most-risk-coronavirus-least-likely-respond-to-vaccine-cvd/>)
- 2020/06/30 "Here's how we'll know when a COVID-19 vaccine is ready", National Geographic Online (<https://www.nationalgeographic.com/science/2020/06/how-we-will-know-when-coronavirus-vaccine-is-ready-cvd/>)
- 2020/06/22 "U of G Vaccine Researcher Makes Headlines", University of Guelph Website (<https://news.uoguelph.ca/2020/06/u-of-g-vaccine-developer-to-appear-on-the-west-block/>)
- 2020/06/22 "Why it matters that you get a COVID-19 vaccine when it's available", Globe and Mail (<https://www.theglobeandmail.com/life/health-and-fitness/article-why-it-matters-that-you-get-a-covid-19-vaccine-when-its-available/>)
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Book Chapters

1. Waito M, WALSH SCOTT R, RASIUK ALEXANDRA, Bridle Byram W, Willms A. (Dr. Bridle's HQP in capital letters). (2016). A Mathematical Model of Cytokine Dynamics During a Cytokine Storm. Bélair J, Frigaard IA, Kunze H, Makarov R, Melnik R, Spiteri RJ. *Mathematical and Computational Approaches in Advancing Modern Science and Engineering*. : pp 331-339.
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Conference Publications

1. Waito M, WALSH SCOTT R, RASIUK ALEXANDRA, Bridle Byram W, Willms AR (Dr. Bridle's HQP in capitals). (2015). A Mathematical Model of Cytokine Dynamics During a Cytokine Storm. Proceedings of the joint international meeting of Applied Mathematics, Modeling and Computational Sc. Joint international meeting of Applied Mathematics, Modeling and Computational Science and The Canadian Applied and Industrial Mathematics Society, Waterloo, Canada,
Conference Date: 2015/6
Paper
Co-Author
Submitted
Refereed?: Yes, Invited?: No
Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) - 436264-2013

Intellectual Property

Patents

1. ONCOLYTIC VIRUSES WITH REPLICATIVE ABILITY AT TEMPERATURES HIGHER THAN WILDTYPE AND USES THEREOF. United States. Provisional Application No. 62/976,616. 2020/02/21.
Patent Status: Pending
Inventors: Byram W. Bridle Jacob P. van Vloten
Describes two novel oncolytic rhabdoviruses with superior oncolytic activity at temperatures above 37°C as compared to the parental viruses. Also describes a method to generate these types of viruses. This will enhance efficacy of oncolytic rhabdoviruses in tumours that are at higher temperatures than ambient tissues and in human patients that develop fevers (a common response to this therapy) and in veterinary patients whose normal body temperatures are >37°C.

2. AVIAN ONCOLYTIC VIRUS HAVING MODIFIED SEQUENCES AND USES THEREOF. United States. 2018/12/14.
Patent Status: Pending
Inventors: KOZAK; Robert; (London, CA) ; BRIDLE; Byram; (Guelph, CA) ; NAGY; Eva; (Puslinch, CA) ; THOMPSON; Bradley; (Calgary, CA)
The present disclosure relates to one or more modified avian-virus based agents, therapies, treatments, and methods of use of the modified avian-virus based agents and/or therapies and/or treatments for cancer. The disclosure also provides for methods of generating modified avian-virus based agents. One of the five claims is particularly notable: "The oncolytic agent of claim 1, where the modified avian virus is one of an avian pox virus, an avian reovirus, a Newcastle's disease virus, a duck hepatitis virus, an infectious bursal disease virus, a chicken parvovirus and a combination thereof."
3. A METHOD OF VACCINATION COMPRISING A HISTONE DEACETYLASE INHIBITOR. Canada. International Application No.: PCT/CA2012/000212. 2012/09/03.
Patent Status: Pending
A vaccination method is provided. The method comprises administering to a mammal a histone deacytelase inhibitor in conjunction with a vaccine that expresses an antigen to which the mammal has a pre-existing immunity.
Funding Sources: Canadian Institutes of Health Research (CIHR) - MOP-67066
4. VACCINATION METHODS. Canada. PCT/CA2010/000379. 2011/09/16.
Patent Status: Pending
In one aspect, a method of treating cancer in a mammal is provided. The method comprises administering to the mammal an oncolytic vector that expresses a tumour antigen to which the mammal has a pre-existing immunity. In another aspect, a method of boosting immune response in a mammal having a pre-existing immunity to an antigen is provided comprising intra-venous administration to the mammal of a B-cell infecting vector that expresses the antigen.
Funding Sources: Canadian Institutes of Health Research (CIHR) - MOP-67066

Disclosures

1. Heat-Adapted Maraba Virus for Treating Cancers
Disclosed
Filing Date: 2019/08/09
An application was submitted to patent a novel oncolytic virus. There is one other co-inventor (my PhD student Jacob van Vloten).
2. Quantifying Antigen-Specific T-Cell Responses When Using Antigen-Agnostic Immunotherapies
Disclosed
Filing Date: 2019/07/05
A report of invention for a novel method to quantify T cell responses was submitted to the intellectual property office at the University of Guelph. There is one other co-inventor (my PhD student Jacob van Vloten).
3. Quantifying Antibody Responses Induced by Antigen-Agnostic Immunotherapies
Disclosed
Filing Date: 2019/07/05
A report of invention for a novel method to quantify antibody responses was submitted to the intellectual property office at the University of Guelph. There is one other co-inventor (my PhD student Jacob van Vloten).

4. Avian Orthoreovirus Strain PB1: A Novel Oncolytic Virus
Disclosed
Filing Date: 2019/02/05
An application was submitted to patent a novel oncolytic virus. There are two other co-inventors (research collaborators).
5. Combining Epigenetic Modifiers with Oncolytic Viruses for the Treatment of Leukemias
Disclosed
Filing Date: 2018/03/21
A report of invention was submitted to the University of Guelph's intellectual property office. There are four other co-inventors (all former students of mine; Megan Strachan-Whaley, Christian Ternamian, Jason Morgenstern and Evan Lusty).
6. Avian orthoreovirus (ARV) strain PB1: a potential oncolytic, vaccine and adjuvant
Disclosed
Filing Date: 2014/01/31