

# Student Research News e-bulletin

November 19, 2021

<http://www.med.ubc.ca/srn>

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#### Ongoing Events:

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#### Announcement Reminders:

BC Rural Health Research Exchange: Call for Presenters and Event Announcement

Event: Nov 23<sup>rd</sup>, 2021 starting at 8:30am

BC SUPPORT Unit Conference: Putting Patients First 2022: Call for Abstracts

Free Data Analysis: Call for Submissions

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## Funding Opportunities & Awards

### New Funding Opportunities:

#### UBC Health Awards Competition

Deadline: 15-Dec-21

Amount: ranges from \$500 to \$1,000

The annual UBC Health Awards Competition is comprised of three scholarships: ImpactBC Scholarships in Health Care Research Development with awards totaling \$7,150, John H.V. Gilbert Interprofessional Scholarship with awards valued at approximately \$500, and the Professor Jessie Gordon MacCarthy Memorial Scholarship at approximately \$850. These three

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scholarships are intended for current UBC students in any health or human services degree program and who meet the minimum eligibility criteria. Further information and full eligibility and application details are available via the hyperlink above.

## [Canadian Association of Gastroenterology Summer Studentship Awards](#)

**Deadline: 31-Jan-22**

**Amount: \$6,000**

The Canadian Association of Gastroenterology (CAG) is pleased to announce the availability of its Summer Student Scholarships for undergraduate students. Note that students who have completed an undergraduate degree, or will graduate before undertaking, or during this award, are not eligible. Successful applicants will be awarded a stipend of \$6,000 for full time work on a research project for 4 months (May to August). An additional \$1,000 will be awarded to the top ranked applicant for the Ivan Beck Memorial Summer Studentship Applicants must identify a supervisor who is a CAG member of good standing for at least three years. Only one application will be awarded per supervisor/laboratory. Visit the website for more information.

## [Endocrine Society Research Experiences for Graduate and Medical Students](#)

**Deadline: 31-Jan-22**

**Amount: \$2,500**

The Endocrine Society offers Research Experiences for Graduate and Medical Students Awards first-year MD students. Awardees will receive a stipend to conduct research under the guidance of a Society member for 8-10-week summer research project. Applications are accepted from student-supervisor teams. Awardees will be invited to attend ENDO 2022, the Society's Annual Meeting and Expo, following the summer fellowship. Career building opportunities, including educational webinars, virtual research talks, and access to the early career forum will be provided. Please refer to the website for a complete list of application requirements.

## [Gerstner Sloan-Kettering Summer Undergraduate Research Program \(New York\)](#)

**Deadline: 01-Feb-22**

**Amount: \$6,000 student stipend and housing accommodations**

The Gerstner Sloan Kettering Summer Undergraduate Program is a 10-week research program open to domestic and international 1st – 3rd year undergraduate students who are interested in pursuing a career in biomedical-related sciences. Applicants must have previous research experience and have a minimum 3.0 GPA. Successful applicants will be offered a \$6,000 student stipend and housing. Accommodations are available in proximity to the school for the duration of the program. Visit the website for further information. Note that you must create an account to apply. Currently anticipating holding this internship in person, but will make a final determination about virtual vs in person in the Spring.

## [Neurosurgery Research and Education Foundation Medical Student Summer Research Fellowship](#)

**Deadline: 01-Feb-22**

**Amount: \$2,500**

The Neurosurgery Research and Education Foundation's Medical Student Summer Research Fellowship (MSSRF) provides fellowships of \$2,500 to medical students in the US or Canada. Students must have completed at least one year of medical school and find a supervisor who is a member of the American Association of Neurological Surgeons (AANS). Visit the website for additional details. Note that you need to create a MyAANS account in order to apply.

## [Society for Vascular Surgery \(SVS\) Student Research Fellowship](#)

**Deadline: 01-Feb-22**

**Amount: \$3,000 USD**

The Student Research Fellowship, established by the Society for Vascular Surgery (SVS) Foundation, intends to further student education and introduce rigorous scientific methods to clinical problems and underlying biologic processes important to patients with vascular disease. MD and non-MD undergraduate students at universities in the US and Canada are eligible to apply. The award is designed for students to spend time on a project with a minimum commitment of 2 months and a maximum of 12 months. Applicants must also be sponsored by an active member of SVS. Each award consists

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of a \$3,000 USD student stipend and a two-year complimentary subscription to the Journal of Vascular Surgery. For application details, visit their website.

## [American Physiological Society \(APS\) Undergraduate Summer Research Fellowships](#)

**Deadline: 01-Feb-22**

**Amount: \$4,000 student stipend and up to \$1,300 in travel**

The APS Undergraduate Summer Research Fellowships provide support for 1st – 3rd year non-MD undergraduate students with little or no laboratory research experience to work for 10 weeks during the summer. Applicants must have an overall GPA of 3.0 or higher. Successful applicants will receive a \$4,000 student stipend, be eligible for up to \$1,300 in travel expenses, and receive a one-year complimentary APS membership. Faculty sponsors/advisors must be active members of the APS in good standing. Fellowships include a stipend to the student as well as travel funding. Visit the website for additional details. Note that you must create an APS account to apply.

## [American Society for Pharmacology and Experimental Therapeutics Summer Undergraduate Research Fellow](#)

**Deadline: 01-Feb-22**

**Amount: \$2,800**

The American Society for Pharmacology and Experimental Therapeutics (ASPET) is offering a Summer Undergraduate Research Fellow Award open to undergraduate students interested in pharmacology research. Successful applicants will receive a stipend of \$2,800 for a minimum of 10 weeks participation in the program. Applicants must have a mentor who is a regular member of ASPET in good standing. Please visit the website for further details.

## [Radiological Society of North America \(RSNA\) Medical Student Grant](#)

**Deadline: 03-Feb-22**

**Amount: \$3,000 student stipend matched by supervisor (\$6,000 total)**

The Radiological Society of North America (RSNA) is offering a Research Medical Student Grant for medical students interested in radiologic sciences and provides them with research experience in medical. Applicants are expected to undertake a full-time research project of at least 10 weeks long under the guidance of a supervisor. Note that the applicant and their supervisor must be RSNA members at the time of application. A stipend of \$3,000 is to be matched by the sponsoring department (\$6,000 in total) and may not be used for non-personnel research expenses. For a full list of eligibility requirements and details, visit their website.

## [The Eye Foundation of Canada Summer Scholarship \(Toronto\)](#)

**Deadline: 04-Feb-22**

**Amount: \$8,000**

The Eye Foundation of Canada is offering scholarships for students to spend the summer furthering their education in ophthalmic medicine, surgery, and research. This award is open to medical students who will have just completed their 2nd year of medical school. Applicants must be available for at least 8 to 10 weeks during the summer with each awardee being offered an \$8,000 scholarship. The program will be conducted at Eye Associates with portions at University of Toronto teaching hospitals. Please visit the website for further information.

## **Funding Reminders:**

<b>Deadline</b>	<b>Award</b>
<b>08-Dec-21</b>	<b>Parkinson's Disease Foundation Summer Student Fellowship</b>
<b>07-Jan-22</b>	<b>Brain Tumour Research Studentship</b>
<b>15-Jan-22</b>	<b>Society of Interventional Radiology Dr. and Mrs. W.C. Culp Student Research Grant</b>
<b>15-Jan-22</b>	<b>Canadian Cancer Society Travel Awards</b>
<b>18-Jan-22</b>	<b>ASH Physician-Scientist Career Development Award</b>
<b>20-Jan-22</b>	<b>Charles Hollenberg Summer Studentship Program</b>
<b>22-Jan-22</b>	<b>Canadian Foundation for Infectious Diseases CFID Undergraduate Summer Research Grant</b>

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<b>22-Jan-22</b>	<b>Canadian Foundation for Infectious Diseases AMMI Canada- CFID Medical Student Research Award</b>
<b>31-Jan-22</b>	<b>Endocrine Society Research Experiences for Graduate and Medical Students</b>

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## Events

### Upcoming Events:

**19-Nov-21 11:00am—12:00pm (Virtual)**

**[The 16th Annual D. Harold Copp Lecture: "Why so many ways to die? The non-canonical inflammasome pathway"](#)**

Proper coordination of cellular metabolism and its integration with immune response is paramount to function of cells, organs, and organisms. The endoplasmic reticulum (ER) is the main site for protein and lipid synthesis, trafficking, and the storage of cellular calcium. Work in our group over the past two decades demonstrated that ER also plays a significant role in adaptation to metabolic fluctuations, adaptation to metabolic challenges, and their integration to immune response. This important "integrated metabolic response" is disrupted by metabolic stress of chronic metabolic diseases such as obesity and diabetes in animal models and humans. Restoration of the ER adaptive folding responses by genetic or chemical means improve metabolic homeostasis in preclinical models and humans. Therefore, understanding the compositional, structural, and functional regulation of the ER and the mechanisms giving rise to its dysfunction remain critical areas of investigation and carry important translational opportunities. In recent studies, we have discovered alteration in structural organization and architecture of the organelle and identified adaptive responses that emanate from the ER during metabolic stress in physiological or pathological contexts. Here, I will present emerging evidence integrating metaflammation to endoplasmic reticulum and mitochondria function and regulation of interactions between organelles during metabolic fluctuations. I will also present our most recent observations on a novel pathway mediated by the NRF family of ER bound transcription factors, which orchestrates previously unknown countermeasures against metabolic stress to preserve ER integrity and metabolic health. Finally, how these molecular mechanisms may be exploited to understand chronic inflammatory diseases and leveraged to design novel and effective preventive and therapeutic strategies will be discussed.

**22-Nov-21 5:00—6:00pm (Virtual)**

**[MD/PhD Seminar with Dr. Gina Ogilvie](#)**

Dr. Gina Ogilvie's research is focused on both the public health and clinical aspects of reproductive health, sexually transmitted infections, HPV screening and the HPV vaccine, and her findings have been highly influential in setting and directing health policy both in Canada and globally. Dr. Ogilvie has published over 100 peer reviewed manuscripts and has provided advice and consultation to national and global institutions, including the Canadian Partnership Against Cancer, Public Health Agency of Canada, the World Health Organization and Ministries of Health globally on STI, HIV and HPV vaccine policy and programming. Dr. Ogilvie speaks widely at international and national research and education conferences, and has supervised medical students, residents, and graduate students throughout her career. Our trainees will hear about her training pathway and the experiences that led her to pursue her career.

**22-Nov-21 12:00—1:00pm (Virtual)**

**[2021-2022 Women's Health Seminar Series: "Sex and Gender Differences in Response to Vaccines: Why do Women Experience Greater Adverse Reactions?"](#)**

Presenter: Dr. Rosemary Morgan, Assistant Scientist, Bloomberg School of Public Health, Johns Hopkins University. Rosemary Morgan is an Assistant Scientist at Johns Hopkins Bloomberg School of Public Health in the Department of International Health, with a joint position in the School of Nursing. She has expertise in gender, gender analysis, and intersectionality. She currently leads the Sex and Gender Analysis Core for the NIH funded Sex and Age Differences in Immunity to Influenza (SADII) Center. In addition, she works as a gender advisor on RADAR, an initiative developing tools to assist in the implementation of measurement approaches for maternal, neonatal, and child health and nutrition programs. Prior to joining Johns Hopkins Rosemary was a Lecturer in Global Health Policy at the University of Edinburgh, and a Research and Teaching Fellow at the University of Leeds.

**24-Nov-21 4:00—5:00pm (Virtual)**

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## Data Science and Health Workshop Series: Introduction to AI Workshop

This workshop will cover the basics of AI and its potential and limitations to address clinical problems. We'll cover necessary inputs and feasible outcomes, while clarifying what AI can and can't do. You'll leave this workshop with an understanding of AI's capabilities and limitations and what's required to collaborate on an AI project.

The workshop will include:

An introduction to AI - review the basics

Case studies of successful projects between clinicians and engineers

An opportunity to engage with AI experts to evaluate potential projects

Our workshop aims to provide a mutual understanding for both clinicians and engineers while building a community to actively support collaboration and matching.

Join us on November 24th and find your new collaborator!

## **26-Nov-21 4:00—5:00pm (Virtual)**

### Third Annual Tri-Cluster Research Day

Presented by UBC's Women's Health, Data Science & Health, and Biomedical Imaging & AI clusters, our committee is pleased to invite you to the 3rd Annual Tri-Cluster Research Day. Join us for a morning of multi-disciplinary conversations, presentations, and more. The day will include:

Virtual Poster presentations exhibiting students' work

Virtual Lightning-Round presentations by the top 10 abstracts

Brainstorming Session for collaborative team grants

The Tri-Cluster Research Day's objective is to provide a setting for faculty and students to identify current research projects that relate to their work and facilitate the co-creation of new research ideas. All members of the DASH, Women's Health and BMIAI communities (students, residents, postdocs, faculty, and staff) are invited to submit abstracts for oral and poster presentations. Abstract submissions are due October 24th, 2021. More details and submission instructions can be found on the website: <http://ow.ly/4Z7750G1Fr8>

## **06-Dec-21 9:30—10:30am (Virtual)**

### FoM TM Rounds: Dr. MacVicar & Dr. Nygaard

The Faculty of Medicine Translational Medicine Rounds (FoM TM Rounds) are hosted for junior faculty members conducting translational research as well as their colleagues. The rounds serve to form the foundation of the new ATM community and provide a forum where early-career interdisciplinary researchers:

present ongoing projects, get feedback from the local community, learn about ongoing research, and connect with academic and clinical faculty in other disciplines.

The FoM TM Rounds are hosted every 1st Monday of the month and the discussion topics vary.

The Centre for Brain Health builds on UBC's impressive legacy of brain research and brings together experts in the fields of neuroscience, neurology, psychiatry and rehabilitation in a hub for training, research and clinical care. For an overview of the Centre for Brain Health and the services and world-class research on dementia and more that is conducted in this highly translational research hub at UBC, tune in to the talk by the former Co-director of the Centre for Brain Health, Dr. Brian MacVicar. In the second talk, Dr. Haakon Nygaard will present his cutting-edge research on the use of stem cells for the treatment of dementia, and show preliminary data on the development of new 3D models of the disease.

## **06-Dec-21 12:00—1:00pm (Virtual)**

### 2021-2022 Women's Health Seminar Series: "Economic Abuse and Women's Health Outcomes in Ghana"

Presenter: Dr. Eric Y. Tenkorang, Associate Professor, Department of Sociology, Memorial University of Newfoundland. Dr. Eric Y. Tenkorang is an Associate Professor of Sociology and cross-appointed with the Division of Community Health and Humanities at Memorial University of Newfoundland, St. John's, Canada. Dr. Tenkorang received his PhD in Sociology from the University of Western Ontario (now Western University, Canada) in 2008. Over the past few years, Dr. Tenkorang's research has broadly examined the social and cultural determinants of health among at-risk and vulnerable populations in developed and developing countries. Specifically, he has been interested in the sexual reproductive health of youth and

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women in HIV endemic parts of the world, mostly sub-Saharan Africa. His research interests have expanded to examining the socio-cultural underpinnings of intimate partner violence in several African countries.

## 08-Dec-21 12:00—1:30pm (Virtual)

### [‘It Starts With Us’ - You don’t belong here](#)

Please join the Office of Respectful Environments, Equity, Diversity and Inclusion (REDI) on December 8 for the next event in the 'It Starts With Us' series. This virtual event will feature a presentation by Dr. Tal Jarus' Research-Based Theatre team, that highlights the barriers faced by people with disabilities who are learners, educators, researchers, or clinicians in healthcare fields. The presentation will be followed by opportunity to engage in virtual discussion with the presenters.

## 09-Dec-21 12:00—1:00pm (Virtual)

### [CGSHE Speaker Series presents Dr. Julia Smith & Alice Murage](#)

Dr. Julia Smith (she/her) is a CGSHE Faculty Member and Research Associate in the Faculty of Health Sciences at Simon Fraser University. She has a PhD in Peace Studies from the University of Bradford, where she also completed her Masters of Arts as a Rotary World Peace Fellow. Dr. Smith's research interests centre on gender-based policy analysis of health crises, commercial and political determinants of health, feminist theory and community-based research. She is a Principal Investigator on the Gender and COVID-19 Research Project, which is conducting gender-based analysis of the response to COVID-19 in nine countries. She volunteers with Mosaic and has worked with community-based organizations in Canada, Europe and Africa. She is @juliaheather on Twitter.

Alice Murage (she/her) is a CGSHE-Affiliate research fellow in the Faculty of Health Sciences at the Simon Fraser University. She has a master's degree in Public Policy from Willy Brandt School of Public Policy at the University of Erfurt. Her current research focusses on COVID-19 gendered risks, impact, and policy responses in Canada and Kenya as a team member of the collaborative, multi-country Gender and COVID-19 Project, working closely with Dr. Julia Smith. Alice has worked with civil society organizations addressing gendered vulnerabilities through research, programming, and fund raising in Kenya, Myanmar, Cambodia, and Canada. She also facilitates the Africa Ancestry Project, a research and dialogue project aimed at bringing awareness to the diversity of identities and lived experiences of Black people in British Columbia.

## Ongoing Events:

Date	Time	Where	Seminar	Affiliation
<b>Mondays</b>	12:00-1:00pm	In-person	Comparative Physiology Invited Speaker Seminar	Department of Zoology
<b>Mondays</b>	12:00-1:00pm	Virtual	Women's Health Seminar Series	Women's Health Research Cluster
<b>Wednesdays</b>	4:00-5:00pm	Virtual	Evening Comparative Physiology Seminar	Department of Zoology
<b>Wednesdays</b>	12:00-1:00pm	In-person	Biodiversity Research Seminar Series	Department of Zoology
<b>Wednesdays</b>	8:00-9:30am	Virtual	Neuroscience Grand Rounds Schedule	Department of Neurology
<b>Wednesdays</b>	11:00-12:00pm	Virtual	Centre for Blood Research Virtual Seminar Series	Centre for Blood Health
<b>Thursdays</b>	12:45-1:45pm	Virtual	Department of Cellular & Physiological Sciences Clee Memorial Seminar Series	Department of Cellular & Physiological Sciences
<b>Fridays</b>	3:00-4:00pm	In-person or Virtual	BLISS: Biodiversity Legendary Internal Seminar Series	Department of Zoology
<b>Fridays</b>	11:00- 12:00pm	In-person or Virtual	Neuroscience Research Colloquium	Djavad Mowafaghian Centre for Brain Health

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## Other Research Opportunities

### Announcement Reminders:

[BC Rural Health Research Exchange: Call for Presenters and Event Announcement](#)

Event: Nov 23<sup>rd</sup>, 2021 starting at 8:30am

[BC SUPPORT Unit Conference: Putting Patients First 2022: Call for Abstracts](#)

Abstract Deadline: Dec 10<sup>th</sup>, 2021

Event: Mar 10-11<sup>th</sup>, 2022 (hybrid)

[Free Data Analysis: Call for Submissions](#)

Deadline: Jan 14<sup>th</sup>, 2021