

RESEARCH BULLETIN

December 5, 2022

For more information on any of the Research Bulletin items, please contact research@mstvu.ca

EVENTS AND WEBINARS

Mitacs Instructor Led Sessions - September to December

Complement your studies and hands-on training experience with professional development training from Mitacs. These courses, free of charge, will equip you with in-demand skills that will help you meet deadlines, communicate your ideas, and increase your employability. Our courses are organized in bundles, in which learners must complete a self-paced e-learning before registering for a facilitated session. Each course is developed around one or more of the following competencies: Professional and Career Fundamentals, Interpersonal Skills, Communication, Leadership and Management, and Entrepreneurialism. **To see the list of available events, see the attached document. To register, create an account or log in on the learning management system [EDGE](#). To learn more about each course bundle, visit [Training Courses | Mitacs](#). For any questions, please contact training@mitacs.ca.**

Data Visualization with R

7 December, 1300-1500hrs Atlantic / 1330-1530hrs NL

When working with large sets of numbers, it is often more useful to display the information graphically using histograms, scatter plots, bar charts, box plots and other depictions. This workshop teaches participants how to gain insights into data through visualization using R as the programming language. Participants learn how to: create simple scatterplots, histograms, and box plots; compare the plotting features of base R and the ggplot2 package; plot with ggplot2; plot time series data; and arrange and export plots. Basic knowledge of R is recommended, although not mandatory.

DETAILS & REGISTER

<https://www.eventbrite.ca/e/acenet-visualization-with-r-tickets-427307507257>

ACENET and MGF: Introduction to Genomics Data Organization & Analysis
13, 14, 15, 16 December, 1200-1600hrs Atlantic / 1230-1630hrs NL

This is a beginner level workshop series that is hands-on, covering the fundamentals of Unix command line and basic genomic skills for short read sequence data. Participants will learn how to do quality assessment, read trimming and filtering, data management, and task automation on the high performance computing infrastructure resources from the Digital Research Alliance of Canada (formerly Compute Canada). Participants will be encouraged to help one another and to apply what they have learned to their own research problems. The workshop will cover a variant calling pipeline and participants will learn skills that will be broadly applicable to other genomics tasks.

DETAILS & REGISTER

<https://www.eventbrite.ca/e/acenet-and-mgf-introduction-to-genomics-data-organization-and-analysis-tickets-427305721917>

FUNDING OPPORTUNITIES

[NEW] SICI Canada's Outbound Student Mobility Project

We are pleased to send you the link below for SICI Canada's new Outbound Student Mobility Project namely Shastri Student Internship to India (SSII) 2022-23. Global Affairs Canada is funding this stimulating Project. SICI Canada will take 15 Canadian Undergrad students to India to work on exciting projects with 6 Indian host institutions under the SSII Project. SICI Canada and India offices will provide wraparound support and facilitations to young Canadian students throughout their internship journey.

Attached is a Poster for the SSII project

SSII Project Link: <https://www.shastriinstitute.org/SSII-2022-23>

Application Deadline: 11 December 2022

Mobility Period: February – April 2023 (3 months)

Some crucial points to take full advantage of the SSII Project:

1. A preference will be given to applications that receive study credits for Work-Integrated Learning at their Home Institutions. We strongly advise the applicant students to consult appropriate authorities at their home institutions to contact the undersigned to initiate the necessary recognition process of these Internships as Work-Integrated Learning projects.

2. Students from financially challenged and Indigenous backgrounds are encouraged to apply. 7 (seven) SSII grants are set aside for these students.

3. Departments or faculty members having accessible/spare funds and wishing to cater to their students for this International Co-op/Work-Integrated Learning opportunity are advised to contact the undersigned for necessary information and arrangements. We will be delighted to incorporate some additional students with the SSII cohort.

SSHRC Knowledge Synthesis Grant

The Social Sciences and Humanities Research Council of Canada (SSHRC) has launched a Knowledge Synthesis Grants funding opportunity to assess the state of research knowledge on the topic of “The Shifting Dynamics of Privilege and Marginalization”, under SSHRC’s Imagining Canada’s Future initiative. Genome Canada has also joined SSHRC as a funding partner for this call and is seeking social sciences and humanities insights on issues related to genomics.

This call for proposals focuses on the state of research knowledge on issues related to increasing global uncertainty and social volatility, and potential significant and diverse transformations for Canada and the world. The resulting syntheses will help to identify roles that the academic, public, private, and not-for-profit sectors may play in promoting more inclusive communities, as well as to inform the development of effective tools, robust policies and sustainable practices required to support the transition to a more cohesive and just future.

The deadline for applications is **December 15, 2022**. For more information on the call for proposals, please contact: ksg-ssc@sshrc-crsh.gc.ca

SSHRC and Genome Canada invite you to disseminate this information at your institution, and through your networks.

Wise Atlantic Indigenous-Black-International Science (IBIS) Student Assistantship

This paid Assistantship gives undergraduate students in Natural Science* programs at Mount Saint Vincent University, who have limited to no previous research experience, the opportunity to explore working in a research environment. This opportunity is open to students who identify as Indigenous, Black and/or who are International students. Under the guidance of a Natural Science researcher, eligible students will assist with research projects, which could include such tasks as: developing experiments, conducting lab procedures, learning new lab techniques, and collecting

and analyzing data. Students awarded this Assistantship will also have the opportunity to network with other students in the IBIS program. This is a great experience for those students who are considering a career in research and want to see if it's the right fit.

Only open to students who meet the following criteria:

- Undergraduate Bachelor of Science students (any year) who are majoring in a Natural Science* field at Mount Saint Vincent University
- Identify as Black, Indigenous, and/or an international student
- Limited to no previous research experience.

Open to faculty members who meet the following criteria:

- Full-time faculty member at Mount Saint Vincent University
- Conduct research in one or more of the following fields: Chemistry, Biology, Physics, Math, Applied Human Nutrition, Psychology

The duration of the internship is a maximum of 12 weeks. Accepted students will work for a minimum of 3, and a maximum of 12 hours per week, at a rate of \$17/hour. Number of hours worked per week will be decided between researcher and student. For more information, see the attached informative graphic or visit <https://www.wisecatantic.ca/ibis/>.

Special Response Fund for Trainees (Ukraine)

Through the Special Response Fund for Trainees (Ukraine), CIHR, NSERC, and SSHRC have supported many trainees who are directly impacted by the crisis in Ukraine. These funding agencies have established a limited-time Special Response Fund for Trainees (Ukraine), or SRFT-Ukraine, to initiate or maintain the employment or financial support—via stipend or salary—of graduate students and postdoctoral researchers who are directly impacted by the crisis in Ukraine.

Canada is recognized as a leader in building partnerships and uniting researchers and highly qualified personnel of different nationalities and cultures in the shared pursuit of scientific excellence. Recognizing how the crisis in Ukraine may affect the research landscape, this additional funding for grant holders will support trainees, defined as graduate students or postdoctoral researchers, through salaries and stipends.

Support can be requested for a period of up to 12 months. The maximum allowable amounts are as follows: Master's level - up to \$20,000, Doctoral level - up to \$25,000, Postdoctoral level - up to \$45,000. Please see the FAQ attached to this email for more information.

Applications will be accepted using a continuous intake up to **December 22, 2022**.

Current CIHR Funding Opportunities

Pre-announcement

- [Team Grants: Intervention Trial in Inflammation for Chronic Conditions - Evidence to Impact](#)
- [The Joint Canada-Israel Health Research Program - Phase II - 2022-2023 competition](#)
- [The National Women's Health Research Initiative: Funding opportunity for a Pan-Canadian Women's Health Coalition](#)
- [Café Scientifique Program](#)
- [Healthy Cities Research Initiative \(HCRI\) - Planning Grants for Implementing Healthy Urban Policy](#)

See an up-to-date list of current funding opportunities from CIHR

at <https://www.researchnet-recherchenet.ca/rnr16/search.do?fodAgency=CIHR&fodLanguage=E&all=1&search=true&org=CIHR&sort=program&masterList=true&view=currentOpps>.

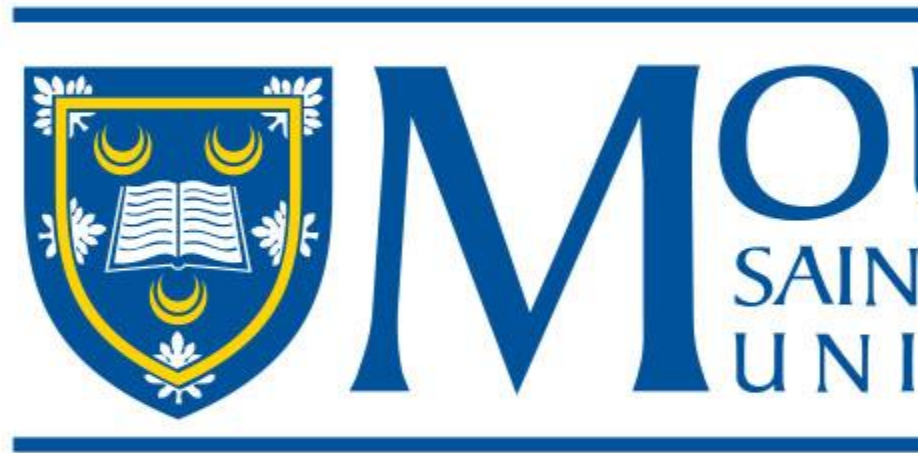
Queen's University Grant Funding Database

Queen's University has developed a searchable funding database of grants that are available to the public. Able to be searched by discipline and deadline, this website showcases 300+ available funding opportunities for those in Canada. To visit the webpage, [click here](#).

RESEARCH DATA MANAGEMENT

RDM at MSVU

Mount Saint Vincent University (MSVU) is committed to meeting the challenges and opportunities involved in the responsible and effective management of research data. The University recognizes the central role of data in research, as data not only represents the outcome of research investigation but also provides a foundation for future research. The appropriate management of research data and facilitating appropriate access to that data form the basis of modern scholarship and discovery. Research data is an important asset that must be stewarded, protected, and appropriately safeguarded. To learn more, visit <https://www.msvu.ca/research-at-the-mount/research-data-management-rdm/>.



SSHRC RDM Capacity Building Initiative Extension

SSHRC is extending the [Research Data Management Capacity Building Initiative](#) to continue helping the Canadian social sciences and humanities research community better understand data management and incorporate data management considerations into research practices. This initiative will continue to fund at least ten meritorious [Connection Grants](#) proposals per competition to

support the research community's development, adoption and dissemination of research data management standards, practices, tools and skills appropriate to their field. For more information, please contact SSHRC at partnerships@sshrc-crsh.gc.ca.

ANNOUNCEMENTS

[NEW] RESO Grants Coordinator!

Marlene Flores Ramos (she/her) is our new Research Grants Coordinator. She worked in various research administration capacities as a Research Projects Manager at the Early Childhood Collaborative Research Centre under Dr. Jessie-Lee McIsaac. Marlene was the Research Grants Officer at NSCAD University from 2016-2019. Marlene completed her MA in Women and Gender Studies through the joint MA program at Mount Saint Vincent University and Saint Mary's University in Halifax, Nova Scotia. She also holds a BSc in Biochemistry from the University of Santo Tomas in Manila, Philippines and a BFA in Textiles from NSCAD University in Halifax, Nova Scotia. Marlene is also a part-time faculty member in the Art History and Contemporary Culture Division at NSCAD University. Her research interests are rooted in Art History, Material Culture, and Museum Studies, where she explores the impacts of colonialism and globalization on identity and representation.

Welcome Marlene!

[NEW] NSERC and FRQNT's Science, Action! Video Contest

NSERC's Science, Action! video contest is back with a twist! This special edition of our popular video contest is organized jointly by the Natural Sciences and Engineering Research Council (NSERC) and le Fonds de recherche du Québec – Nature et technologies (FRQNT) to complement the celebrations of the International Year of Basic Sciences for Sustainable Development 2022.

Put your researchers and students in the spotlight. Encourage them to showcase the world-class research that is happening on your campus. The Science, Action! video contest offers graduate students a chance to win cash prizes for their video about NSERC or FRQNT-funded research. Working with a professor who holds or has held an NSERC or FRQNT grant, graduate students are challenged to film or animate short, creative videos that tell a simple story about fascinating science. The video must show the benefits of research in the natural sciences and engineering fields and make the connection between basic sciences and the Sustainable Development Goals.

There are six prizes of \$4000 available!

This is a great chance for researchers and students on your campus to show Canadians why research matters. In addition to a cash prize, the final 25 videos will be featured in museum exhibits, shown at public science events, and as part of the Science Odyssey and Science Literacy Week national celebrations.

Contestants must submit their video entries between January 16, 2023, and February 10, 2023. Visit our [website](#) for information on contest rules and more.

[NSERC - Science, action!](#)

Show us your science! NSERC, in partnership with FRQNT, presents a special edition of the Science, Action! video contest to celebrate the International Year of Basic Sciences for Sustainable Development 2022.

www.nserc-crsng.gc.ca

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[NEW] Launch of the new CIHR “Health Research Explained” project

We are very excited to launch our new “Health Research Explained” project as part of our new science communication activities. With this project, we are aiming to demonstrate the role and value of health research in fun and accessible ways.

The project includes:

- A fresh overview of [CIHR](#) and how [our funding works](#);
- New web content to describe [health research](#) (and each pillar!) in plain language;
- More than 20 new research stories to showcase wonderful work happening across the country; and
- [Infographics](#) to highlight the importance of health research.

We plan to add new materials to this collection over time, so stay tuned for news about videos and additional content soon.

[NEW] Tri-Agency Interdisciplinary Peer Review Committee

In May 2021, the three federal granting agencies – the Social Sciences and Humanities Research Council (SSHRC), the Canadian Institutes of Health Research (CIHR), and the Natural Sciences and Engineering Research Council (NSERC) - launched the Tri-Agency Interdisciplinary Peer Review Committee (TAIPR) as a one-year pilot program. Applications were submitted to the committee via four participating Gateway Funding Opportunities: SSHRC Insight Grants, CIHR Fall and Spring Project Grant, and NSERC Discovery Horizons.

SSHRC is now pleased to announce that a fifth funding opportunity has been added to the pilot. Researchers applying to the SSHRC Insight Development Grants 2023 competition may now also direct their proposals to the Tri-Agency Interdisciplinary Peer Review Committee for review.

After a successful inaugural year, the agencies announced on May 12, 2022, that the pilot was officially extended for a second year. The first TAIPR Committee consisted of 36 interdisciplinary researchers who met over four sessions and adjudicated 106 applications: 16 Insight Grants, 14 Fall 2021 and 21 Spring 2022 Project Grants, and 55 Discovery Horizons projects. A total of 24 interdisciplinary projects were funded: 7 Insight Grants, 3 Fall 2021 and 4 Spring 2022 Project Grants, and 10 Discovery Horizons grants.

For further information please visit the committee webpage Tri-Agency Interdisciplinary Peer Review Committee - CIHR (cihr-irsc.gc.ca)

Implementing Positive Change for Indigenous Peoples - SPOR Support Unit
[Hotì ts'eeda](#) (pronounced “ho-tee-tsay-dah”) is the SPOR SUPPORT Unit in the Northwest Territories. Hosted by the Tłı̨chǫ Government, the SUPPORT Unit connects organizations and communities throughout the territory to achieve health research and training goals. Through an innovative project called [Elet'ànìts'eʔah](#) (pronounced “e-klet-a-neet-see-yah”), which means drawing on collective strength in the First Nations Tłı̨chǫ language, the SUPPORT Unit team is engaging Indigenous communities in a conversation about how to implement the United Nations Declaration of Rights for Indigenous Peoples (UNDRIP) with a focus on promoting health and wellness. For more information, visit <https://cihr-irsc.gc.ca/e/53136.html>.

Nova Scotia Forestry Economic Task Force

The NSFETF is currently in a knowledge gathering phase and is looking for support to better understand the ‘social license’ that the forestry sector works from. That is to say, what is the public sentiment(s) that drives the various positions regarding forestry

practices in Nova Scotia. For more information, visit <https://nsfetf.com/> or see the attached information. To learn more, please contact Ray.MacNeil@smu.ca.

EDI Video: Using Social Media to Recruit LGBT Research Participants

Two members of the MSVU community have been featured in this SAGE Research Methods Video Collection on Research Ethics and Integrity. Phillip Joy, assistant professor, and Catherine Littler, research assistant, Mount Saint Vincent University, discuss using social media to recruit LGBT research participants, including research design, ethical approval, data collection, challenges faced, lessons learned, and recommendations. View this video at <https://methods.sagepub.com/video/srmpromo/t6sgyb/using-social-media-to-recruit-lgbt-research-participants>.

Halifax Municipal Archives

Halifax Municipal Archives is the official repository for historical municipal government records from Halifax, Dartmouth, Bedford and the former County of Halifax, and also holds community records from the region. All researchers are welcome to view those records either here on-line, or through requests and visits to the Archives. **View archival material through the searchable online database at halifax.ca/archives or in person at 81 Ilsley Avenue, Unit 11, Dartmouth.** To book an appointment, email archives@halifax.ca or call 902-490-4643.

NSERC's Equity, Diversity, and Inclusion Newest Resources

NSERC is taking action to help the natural sciences and engineering (NSE) research communities contribute to a more equitable, diverse and inclusive research enterprise, with the launch of the [NSERC guide on integrating equity, diversity and inclusion considerations in research](#). The new guide is designed to assist NSE researchers with applying a critical equity, diversity and inclusion (EDI) lens in their work by providing guiding questions and examples relevant to their field of research. It includes two main sections:

1. Guidance on embedding EDI considerations at each stage of the research process including: research questions, design of the study, methodology and data collection, analysis and interpretation and dissemination of results.

2. EDI considerations for research teams, including: building teams, recruitment and retention, and the roles of team members throughout the course of the research project.

Since 2019, Alliance applicants must include EDI considerations in their training plan. A dedicated [Alliance EDI resource](#) was recently updated to further expand on the expectations of this mandatory evaluation criteria and provide applicants with examples of what concrete EDI best practices look like. Please contact resgrant@nserc-crsng.gc.ca or alliance@nserc-crsng.gc.ca with any questions.

Template for Researchers to Prepare Their Job Posting for Career Connects
Career Connects is an efficient way to promote active job listings to active students at MSVU. This online career and job posting portal for students means a higher number of qualified and diverse applicants will see your employment opportunity, such as a research assistant. Career services can also promote your listing on social media to reach as many applicants as possible.

MSVU's The Conversation Membership

We are excited to announce that MSVU is now a member of the publishing site, The Conversation. The Conversation Canada is a unique digital publication that combines academic and journalistic expertise – the result is a new style of journalism that also acts as a distinct form of knowledge mobilization. The Conversation Canada publishes in English and French and in 2021, its articles had more than 40 million views. The Research Office, the Library, and University Relations have formed a partnership for this initiative and following discussions with the CEO of The Conversation, Scott White, we have agreed to a 1-year trial membership. There will be training for faculty on how to best utilize the platform in the coming months.

Many of the funding partners of The Conversation say this form of public scholarship has helped raised the profile of academics, their research, and their universities among the general public, including those outside of their geographic region. The Conversation Canada has a large international readership in addition to its Canadian viewers.

For more information, visit <https://theconversation.com/ca>.

CIHR French Peer Review Opportunities

If you or someone you know can peer review applications in French, we hope you'll consider joining or nominating someone for the CIHR College of Reviewers.

All peer reviewers are welcome, but CIHR has a particular need for clinician scientists and experts in the following areas:

- Cancer
- Cardiovascular, respiratory and circulatory systems
- Digestive, endocrine and excretory systems
- Health services and systems
- Indigenous health
- Methods development and modelling
- Population and health

For more information, [click here](#).

It's Grant Season!

December 1	<ul style="list-style-type: none"> • Award for Research Excellence • Early Career Research Award • NSERC USRAs (Winter Term, if applicable)
January 15	<ul style="list-style-type: none"> • MSVU Research Internship (Undergraduate) • NSERC USRAs (Summer Term)
January 31	<ul style="list-style-type: none"> • Standard Grant • Salary-based Grant
March 1	<ul style="list-style-type: none"> • CN Student Research Internship (Full time summer placement)
April 1	<ul style="list-style-type: none"> • SSHRC Exchange and Explore • Book Launches • Aid to Scholarly Publications and Communications
April 5	<ul style="list-style-type: none"> • Release Time Awards
July 15	<ul style="list-style-type: none"> • NSERC USRAs (Fall Term, if applicable)
Open Submission	<ul style="list-style-type: none"> • New Scholar's Grant • Assistance to Prepare a Large-Scale Collaborative Grant

If the posted deadline for internal competitions falls on a weekend or holiday, the **next** business day shall be the official deadline.

More information about internal grants, including instructions and the application forms, can be found [here](#). CRP Policies, Standard Operating Procedures, and adjudication matrices can be found [here](#).

IT&S CYBERSECURITY TIPS

Smashing Smishing: SMS Text Message Scams

When a scammer sends phishing texts, it's called "smishing" for "SMS phishing". A recent job scam on campus involved a web form that asked for your email address, password, and cell phone number. The scammers then logged into people's Office 365 accounts with the password, and then texted that person to ask for the multifactor authentication (MFA) code that Office 365 sent to their phone. With the password and the MFA code, the scammers could log into their Mount account, which they used to send more job scam and phishing emails. IT&S will never text you asking for your MFA codes. Your MFA codes are for your eyes only, so never share them with anyone. Smishing texts can have the same red flags as phishing emails. Learn more on our [website](#) or by taking our free [cybersecurity training course](#).

One Phish, Two Phish, Three Phish

Emails that fish for your credit card number, SIN, or password are called "phishing". Recent phishing emails at MSVU claimed that you requested to terminate your account, and that if you didn't click a suspicious link to verify your account, then IT&S would terminate it. IT&S never sends threatening emails like this, and we never ask you to click account verification links. The link opened a web form asking for your email address, password, and cell phone number. Learn the red flags of phishing emails on our website or by taking our free cybersecurity training course.

Research Cybersecurity Courses

Industry Canada provides two free research cybersecurity courses called "Introduction to Research Security" and "Cyber Security for Researchers." Each course has a duration of approximately 30 to 40 minutes, and at the end of each you can download a certificate of completion. You can access the courses on [the Industry Canada Safeguarding Your Research website](#).