BRN Workshop Series:
Research Program Planning

February 3, 2023
Welcome

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Land Acknowledgement
PLANNING YOUR RESEARCH PROGRAM

FEBRUARY 3, 2023

PREPARED BY STEFANIE BERNAUDO AND ANASTASSIA POGOUTSE

OFFICE OF THE VICE-PRINCIPAL, RESEARCH
We wish to acknowledge this land on which the University of Toronto operates. For thousands of years it has been the traditional land of the Huron-Wendat, the Seneca, and the Mississaugas of the Credit. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land.
# Types of Available Funding Opportunities

## Government Funding
- Tri-Agency
  - CIHR
  - NSERC
  - SSHRC
  - NFRF
- Federal
  - CFI
- Provincial
  - Early Researcher Award
  - Ontario Genomics
- Municipal/Local
  - Metrolinx

## Internal Funding
- UTM Funding
- MRPM

## Non-profit Funding
- Cancer Research Society
- Connaught
- Kress Foundation
- Sloan Foundation

## Private Sector Funding
research must primarily improve or have an impact on health and/or produce more effective health services and products and/or strengthen the Canadian health care system.

research must primarily be to advance knowledge in one or more of the natural science or engineering disciplines.

research must primarily be to add to our understanding and knowledge of individuals, groups, and societies.
Tri Council Tips - General

- Importance of Tri-Council
- Work on building up your peer reviewed work
- Learn how to quantify and explain impact
- Start early and have applications reviewed
Talent
Support for students and postdoctoral researchers
UG → PDF scholarships

Insight
Funding Opportunities

Develop
Planning a Research Program

- If you are in a tenure-track position before tenure, find out what is needed for tenure
- Create a 5-year plan
- Figure out
  - What you need funding for
  - What grants can fund it
  - What grants are you eligible for
  - Do you have the necessary protocol approvals?
  - Do you need to recruit personnel?
  - Would you benefit from having collaborators?
- Consider applying for awards and/or seeking nominations
Planning a Research Program: Student Mentoring Resources

To establish a collegial environment, I will:

☐ Create a positive work and learning environment free from discrimination and harassment.
☐ Provide advice on professional development and both academic and non-academic career opportunities.
☐ Be available to my student as the first point of contact for conflict resolution or during moments of transition.

I will undertake the following academic mentoring activities:

☐ Assist the student in navigating their program of study and the University community.
☐ Assist the student where needed about the requirements for their degree, policies of the University (such as the Policy on Ethical Conduct in Research and Code of Behaviour on Academic Honesty) and School of Graduate Studies Intellectual Property Guidelines for Graduate Students and Supervisors as well as resources and referrals to campus services.
☐ Advise and approve, if appropriate, all aspects of the student’s academic program including courses, comprehensive/qualifying/field examinations, language, seminars, internship/practicum, thesis proposal requirements, etc.
☐ Help the student formulate an appropriate research project. Discuss the required knowledge and skills to undertake the desired research program, the expected time to completion as well as the level of independence that is expected.
☐ Meet regularly to provide constructive input into the student’s research project and provide an assessment of the student’s progress.
☐ Discuss issues of authorship and intellectual property early in the student’s program referring to the School of Graduate Studies Intellectual Property Guidelines for Graduate Students and Supervisors at U of T and the SGS Intellectual Property Awareness Form.

☐ I have discussed funding issues with my graduate student, including:
Grantsmanship - General

• Take instructions seriously
• Clarity and Organization
  o Edit down to “ONE”
• Don’t underestimate the value of a good summary and leading paragraphs
• Make the proposal a “joy to read”
• Put together a consistent & cohesive application (See resources)
CIHR Tips- Project Grant

- Low success rates
- Pilot data and team
- Reasonable funding level
- Address EDI and Training
- Priority announcements
- Don’t resubmit the same proposal
NSERC Tips - Discovery Grant

• Project vs program
• Grant-in-aid
• LOI secures your evaluation committee
• Three equally weighted sections:
  o excellence of the researcher,
  o research proposal
  o training philosophy & EDI
• Use merit indicators
• Budget
SSHRC Tips

- Curate your research trajectory
- Get to know SSHRC and its different streams and calls
- Get to know the criteria
  - Challenge
  - Feasibility
  - Capability
- All parts of the application matter
Challenge (40%)
SSHRC Tips - Insight Development Grant

• Most flexible SSHRC funding opportunity
• Supports short- or long-term projects in any subject under SSHRC’s mandate
• Emerging and established scholars
• International co-applicants not allowed
• Evaluation: 40% Challenge / 20% Feasibility / 40% Capability
• Committee + external assessors
SSHRC Tips - Insight Development Grant

- Supports early stage research (for emerging and established scholars)
- May involve but is not limited to:
  - Case studies
  - Pilot initiatives
  - Critical analyses of existing research
  - International co-applicants allowed
- Evaluation: 50% Challenge / 20% Feasibility / 30% Capability
- Single-stage adjudication committee
Project Overview

<table>
<thead>
<tr>
<th>Problems/challenges being addressed</th>
<th>Add description</th>
<th>Justification/rationalization: importance and gaps</th>
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<tbody>
<tr>
<td>Long-term objective(s)</td>
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<td>Short-term objectives</td>
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<td>Predictions/hypotheses</td>
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<td>Methodology</td>
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<tr>
<td>Impacts</td>
<td>Short term impact from realizing objectives:</td>
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<td>Objective 1:</td>
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<td>Objective 2:</td>
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<td>Longer term</td>
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<td>Broad impacts:</td>
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<td>End Users:</td>
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<td>HQP:</td>
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Years

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<th>4</th>
<th>5</th>
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Acronym List

(idenfity page number first appearing to use after that throughout proposal)
Partnerships and Collaborations

Key Components to Successful Partnerships:

• Identify suitable partners
• Overlapping goals
• Develop a KMb plan and invest in impact

Melanie Barwick:
Knowledge Translation Planning Template
Knowledge Translation Appraisal Tool
Partnerships and Collaborations

2022-2023 Partnership Grants

Office of the Vice-Principal, Research
Partnerships and Collaborations

Raquel De Souza
Strategic Research Initiatives and Partnership Manager

Steven Hermans (RSO)
SS&H Partnership Development Officer
## SSHRC Partnership Development Grant Checklist

<table>
<thead>
<tr>
<th>Sections</th>
<th>Requirements</th>
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<tbody>
<tr>
<td>Previous SSHRC Funding</td>
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<tr>
<td>List of Potential Partner Organizations and Other Contributors (2 pages)</td>
<td>✔ (2 pages)</td>
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<tr>
<td>Summary</td>
<td>✔</td>
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<tr>
<td>Knowledge Mobilization Plan</td>
<td>✔ (2 pages)</td>
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<tr>
<td>Expected Outcomes Summary</td>
<td>✔</td>
</tr>
<tr>
<td>Goal and Project Description</td>
<td>✔ (5 pages)</td>
</tr>
<tr>
<td>Description of Formal Partnerships</td>
<td>✔ (4 pages)</td>
</tr>
<tr>
<td>Contributions Plan</td>
<td>✔</td>
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<tr>
<td>Participants Involvement</td>
<td>✔ (2 pages)</td>
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<tr>
<td>Training and Mentoring</td>
<td>✔</td>
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<tr>
<td>Research-creation Support Material</td>
<td>✔</td>
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<tr>
<td>Budget</td>
<td>✔</td>
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<tr>
<td>Funds Requested from SSHRC</td>
<td>✔</td>
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<tr>
<td>Funds from Other Sources</td>
<td>✔</td>
</tr>
<tr>
<td>Budget Justification</td>
<td>✔ (2 pages)</td>
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<tr>
<td>Exclusion of Potential Reviewers</td>
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<tr>
<td>List of References</td>
<td>✔ (max 10 pages)</td>
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<tr>
<td>Evidence of Formal Partnership</td>
<td>✔ (max 15 pages)</td>
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<tr>
<td>Invited Partners</td>
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<tr>
<td>Partner Organization Form</td>
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<tr>
<td>Letters of Engagement</td>
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<tr>
<td>Participants</td>
<td>✔</td>
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<tr>
<td>Applicant/Project Director - SSHRC CV</td>
<td>✔</td>
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<tr>
<td>Co-applicants (academic) - SSHRC CV</td>
<td>✔</td>
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<tr>
<td>Co-applicants (non-academic) - Partial SSHRC CV</td>
<td>✔</td>
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<tr>
<td>Collaborators</td>
<td>Accept Invitation</td>
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</table>

## Proposal Planning and Development Milestones and Timeline – SSHRC Partnership Grant

<table>
<thead>
<tr>
<th>Stage/Element</th>
<th>Milestone</th>
<th>Activities</th>
<th>Participants</th>
<th>Suggested Timeline</th>
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</thead>
<tbody>
<tr>
<td>Exploration &amp; Initiation</td>
<td>Opportunity Overview &amp; Assessment</td>
<td>• Review funding opportunity</td>
<td>Project Director (PD) Divisional Research Facilitator Jessica Lapp (JL)</td>
<td>Earliest opportunity; Spring/early Summer</td>
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<td>• Assess alignment of opportunity with planned partnership goals and objectives</td>
<td>Partnership Development Officer Steven Hermans (SH)</td>
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<td>• Overview Application Process and competition timelines</td>
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<tr>
<td>Project Initiation / Launch meeting</td>
<td></td>
<td>• Review funding opportunity and proposal requirements</td>
<td>Applicant Team with JL and SH support as needed</td>
<td>Spring/early summer</td>
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<td>• Discuss Goals and Objectives</td>
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<td>• Discuss expected outcomes</td>
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<td>• Develop Timeline and Deliverables</td>
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<td>• Clarify application process</td>
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