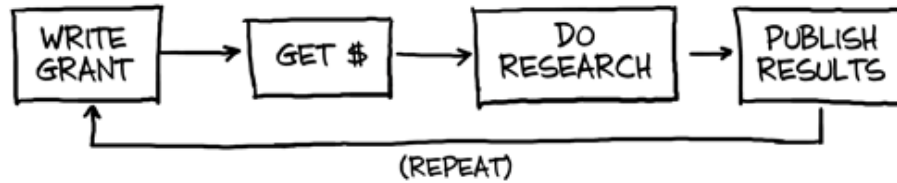


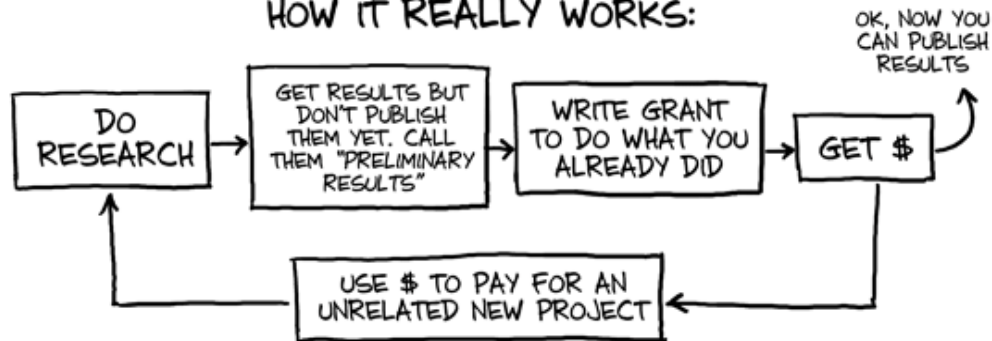
A GOOD APPLICATION HAS EXCELLENT IDEAS, AND IS PRESENTED IN A COMPELLING AND CONVINCING WAY

THE GRANT CYCLE

HOW IT'S SUPPOSED TO WORK:



HOW IT REALLY WORKS:



Land Acknowledgement

“We acknowledge that the lands on which Memorial University’s campuses are situated are in the traditional territories of diverse Indigenous groups, and we acknowledge with respect the histories and cultures of the Beothuk, Mi’kmaq, Innu and Inuit of this province.”

NSERC Discovery Grant Information Session

FACULTY OF
SCIENCE



June 20, 2022

Discovery Grant OBJECTIVES

▶ Program of Research

- ▶ Not a project or collection of projects - not incremental
 - ▶ It's about *discovery* (advancing knowledge, innovation)
 - ▶ Long-term goals of your program of research
 - ▶ Short-term objectives are used to achieve the long-term vision of your research program
-
- ▶ Training the next generation of researchers
 - ▶ Targets research in Natural Sciences and Engineering
(not health, social science)

Grants Facilitation Team

What We Offer

Comprehensive Review (Sept 13)

- ▶ Addresses Merit Criteria (Grid)
- ▶ NSE (not CIHR, SSHRC)
- ▶ Program of Research
- ▶ Well Organized, Structured
- ▶ Cohesive (all parts agree!)
- ▶ Presentation Standards
- ▶ Easy to Read (minimize jargon)
- ▶ Error/Typo-free

Compliance Review (Oct 11)

- ▶ Eligibility
 - ▶ At least a 3 year term
- ▶ All sections complete
 - ▶ Other Tri-agency Funding/summaries
- ▶ Aligns with guidelines
 - ▶ Page limits, 6 yrs (2016), 4 samples, etc.

Reminder: RIIG is in effect and AiP is required at time of submission.

We can help - reach out early!

Important Dates

NOI	Comprehensive (Voluntary)	Compliance (Mandatory)	FINAL Submission
Aug 2 NSERC Portal 8PM EST	Sept 13 ROMEIO + NSERC 9AM	Oct 11 ROMEIO + NSERC 9AM	Nov 1 NSERC Portal 8PM EST

Resources

- ▶ EDI guides (FoS, Tricouncil)
- ▶ FoS Budget Guide
- ▶ NSERC Peer review manual [2021-2022](#)
- ▶ NEW: guidelines on contributions [NSERC 2022](#)
- ▶ FoS 2021 “On the Menu”: [Top 10 DG Tips \(Poduska\)](#), [EDI \(Poduska\)](#)
- ▶ FoS DG Template Application
- ▶ Meet w/ your GFO
- ▶ NSERC Webinars: “How to Apply for a Discovery Grant”
 - ▶ Live w/ Q & A: [Aug 23 2:30 NT \(EN\)](#) , [Aug 25 2:30 NT\(FR\)](#)
 - ▶ Live w/ Q & A: [Sep 22 2:30 NT \(EN\)](#) , [Sep 20 2:30 NT \(FR\)](#)
 - ▶ Pre-recorded Videos [EN 2022](#) , [FR 2022](#)
 - ▶ Presentation Slides [EN 2022](#) , [FR 2022](#)

NOI Tips

- ▶ DEADLINE: August 2, 2022 8PM EST via NSERC portal
- ▶ NO internal review required
- ▶ Purpose of NOI is administrative
 - ▶ Assign to Evaluation Group (EG)
 - ▶ Select EG readers & external reviewers
- ▶ Choose carefully!
 - ▶ EG
 - ▶ Suggested Reviewers
 - ▶ Keywords

NSERC Webinars:

Live w/ Q&A: [Jun 23 2:30 NT \(EN\)](#) , [Jun 21 2:30 NT \(FR\)](#)

Live w/ Q&A: [Jul 5 2:30 NT \(EN\)](#) , [Jul 7 2:30 NT \(FR\)](#)

Pre-recorded Videos: [EN 2022](#) , [FR 2022](#)

Slides: [EN 2022](#) , [FR 2022](#)

NSERC DG Main Components

1. Summary of Proposal
2. Proposed Expenditures
3. Relationship to Other Research Support (CIHR/SSHRC/RTI)
4. Highly Qualified Personnel (HQP) Training Plan
5. Past Contribution to HQP Training Plan
6. Most Significant Contributions to Research (max 5)
7. Additional Information on Contributions
8. Proposal
9. Budget and Justification
10. Samples of Research Contributions (max 4)
11. CCV

Criteria for Evaluation

- ▶ Excellence of the Researcher

- ▶ CCV
- ▶ Most Significant Contributions

} 33%

- ▶ Merit of the Proposal

} 33%

- ▶ Contribution to training of HQP

- ▶ Training Philosophy
- ▶ Training Plan
- ▶ Past contributions to Training

} 33%

Merit Grid

DISCOVERY GRANTS MERIT INDICATORS

The Merit Indicators should be used in conjunction with the Peer Review Manual, which outlines how reviewers arrive at a rating.

		EXCEPTIONAL	OUTSTANDING	VERY STRONG	STRONG	MODERATE	INSUFFICIENT
Excellence of the Researcher		Acknowledged as a leader in terms of research excellence, accomplishments, and service.	Research excellence, accomplishments, and service are far superior to others.	Research excellence, accomplishments, and service are superior to others.	Research excellence, accomplishments, and service are significant .	Research excellence, accomplishments, and service are reasonable .	Research excellence, accomplishments, and service are below an acceptable level .
		Contributions presented in the application are of the highest level of quality .	Contributions presented in the application are of high quality .	Contributions presented in the application are above average in quality .	Contributions presented in the application are of good quality.	Contributions presented in the application are of reasonable quality.	Contributions presented in the application are limited in quality.
		Impact and importance of the work is clearly evident and groundbreaking .	Impact and importance of the work is clearly evident and influential .	Impact and importance of the work is clearly evident .	Impact and importance of the work is evident .	Impact and importance of the work is somewhat evident .	Impact and importance of the work is not clearly evident .
Merit of the Proposal		Proposed research program is clearly presented, is extremely original and innovative and is likely to have impact by leading to groundbreaking advances in the area and/or leading to a technology or policy that addresses socio-economic or environmental needs.	Proposed research program is clearly presented, is highly original and innovative and is likely to have impact by contributing to groundbreaking advances in the area, and/or leading to a technology or policy that addresses socio-economic or environmental needs.	Proposed research program is clearly presented, is original and innovative and is likely to have impact by leading to advancements and/or addressing socio-economic or environmental needs.	Proposed research program is clearly presented, is original and innovative and is likely to have impact and/or address socio-economic or environmental needs.	Proposed research program is clearly presented, has original and innovative aspects and may have impact and/or address socio-economic or environmental needs.	Proposed research program, as presented lacks clarity , and/or is of limited originality and innovation .
		Long-term vision and short-term objectives are clearly defined.	Long-term goals are clearly defined and short-term objectives are well planned.	Long-term goals are defined and short-term objectives are planned.	Long-term goals and short-term objectives are clearly described.	Long-term and short-term objectives are described.	Objectives are not clearly described and/or likely not attainable.
		The methodology is clearly defined and appropriate .	The methodology is clearly described and appropriate .		The methodology is described and appropriate .	The methodology is partially described and/or appropriate .	The methodology is not clearly described and/or appropriate .
		The application clearly demonstrates how the research activities to be supported are distinct from those funded (or applied for) by other sources.					The application does not clearly demonstrate how the research activities to be supported are distinct from those funded (or applied for) by other sources or does not clearly demonstrate a program of research in the NSE.
Training of Highly Qualified Personnel	Past Training of HQP	Past training is at the highest level in terms of the research training environment provided and HQP contributions to research.	Past training is far superior to other applicants in terms of research training environment provided and HQP contributions to research.	Past training is superior to other applicants in terms of the research training environment provided and HQP contributions to research.	Past training compares favourably with other applicants in terms of the research training environment provided and HQP contributions to research.	Past training is modest relative to other applicants in terms of the research training environment provided and HQP contributions to research.	Past training is below an acceptable level in terms of the research training environment provided and HQP contributions to research.
	Training Philosophy & Research Training Plan	Most HQP move on to highly impactful positions that require skills gained through the training received.	Most HQP move on to impactful positions that require skills gained through the training received.	HQP generally move on to impactful positions that require skills gained through the training received.	HQP generally move on to positions that require skills gained through the training received.	Some HQP move on to positions that require skills gained through the training received.	HQP rarely move on to positions that require skills gained through the training received.
		Training philosophy and research training plans are of the highest quality: highly appropriate, clearly defined and expected to produce top quality results in terms of the overall approach and specific projects for HQP.	Training philosophy and research training plans are far superior: highly appropriate, clearly defined and expected to produce high quality results in terms of the overall approach and specific projects for HQP.	Training philosophy and research training plans are superior: highly appropriate, clearly defined and expected to produce quality results in terms of the overall approach and specific projects for HQP.	Training philosophy and research training plans are appropriate and clearly defined in terms of the overall approach and specific projects for HQP.	Training philosophy and research training plans are partially appropriate and partially defined in terms of the overall approach and specific projects for HQP.	Training philosophy and research training plans are not appropriate and not clearly defined in terms of the overall approach and specific projects for HQP.
		Challenges related to equity, diversity and inclusion specific to the institution and field of research are clearly described .	Challenges related to equity, diversity and inclusion specific to the institution and field of research are described .	Challenges related to equity, diversity and inclusion specific to the institution and/or field of research are described .	Challenges related to equity, diversity and inclusion specific to the institution and/or field of research are described .	Challenges related to equity, diversity and inclusion specific to the institution and/or field of research are partially described .	Challenges related to equity, diversity and inclusion specific to the institution and/or field of research are inaccurate or not described .
		Specific actions to support the recruitment of a diverse group of HQP and an inclusive research training environment are clearly defined .	Specific actions to support the recruitment of a diverse group of HQP and an inclusive research training environment are defined .	Specific actions to support the recruitment of a diverse group of HQP and/or an inclusive research training environment are defined .	Specific actions to support the recruitment of a diverse group of HQP and/or an inclusive research training environment are defined .	Specific actions to support the recruitment of a diverse group of HQP and/or an inclusive research training environment are partially defined .	Specific actions to support the recruitment of a diverse group of HQP and/or an inclusive research training environment are not appropriate or not defined .

Top Tips

1. Peer review of proposal
 - ▶ Your EG reviewers may not be experts in your field
2. Use the **Evaluation Grid**
3. Update your **CCV!**
 - ▶ explain NSE, specialized content
4. Structure your application
5. **Intentionally** address Equity, Diversity, & Inclusion
 - ▶ Training plan/philosophy
 - ▶ Contributions (past, most significant)
 - ▶ Proposal: Sex/gender (+) based analysis
6. Highlight your **IMPACT**
 - ▶ Science, Canada/Canadians (socio-economic), HQP

Structure

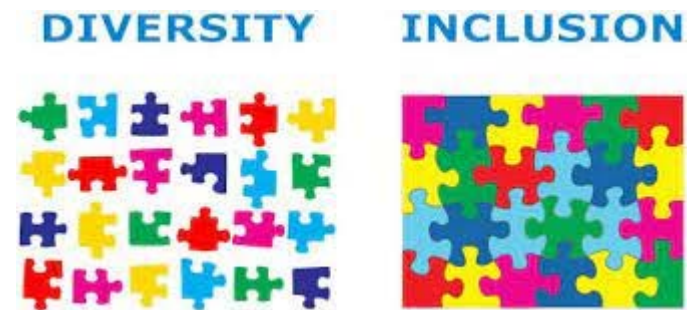
- ▶ Your EG readers are reading 40+ applications- make it easy for them!
 - ▶ Use headings/sub-headings
 - ▶ Clearly identify: research questions/objectives, hypothesis, HQP involved (**B**, *I*, U)
 - ▶ Use white space
 - ▶ Diagrams/Tables
- ▶ Identify your **long & short-term** objectives
- ▶ Ensure ALL sections agree
 - ▶ HQP, Proposal, CCV, & Budget/Justification

Equity, Diversity & Inclusion

- ▶ New Requirement
- ▶ Increase diversity --- Increase quality, social relevance, impact

You **MUST** address EDI in your application

- ▶ Recognize challenges, barriers to inclusion and success = underrepresented
- ▶ Identify **specific barriers/challenges** in your *field, institution, and group*
- ▶ Present a plan of **specific actions** to reduce these barriers/challenges



Equality



The assumption is that everyone benefits from the same supports. This is equal treatment.

Equity



Everyone gets the supports they need (this is the concept of "affirmative action"), thus producing equity.

Justice



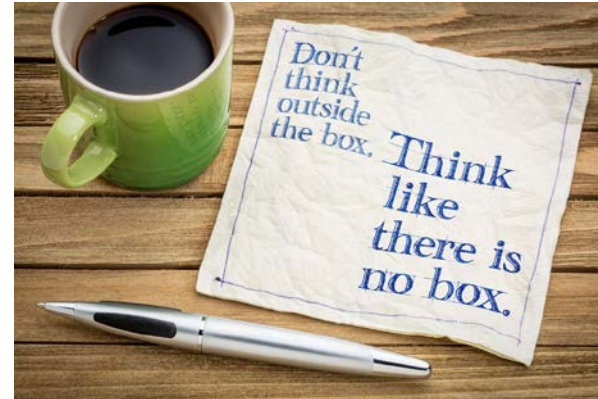
All 3 can see the game without supports or accommodations because the cause(s) of the inequity was addressed. The systemic barrier has been removed.

Equity, Diversity & Inclusion

- ▶ What are the societies and professional groups in your field doing?
- ▶ Vice Provost EDI - Anti-racism; Indigenization
- ▶ On campus resources: StudentLife, Blundon Centre, SGS Edge Program, Internationalization Office; ESL programs, Writing Centre, Childcare, etc.
- ▶ Broad/standardized recruitment practices
- ▶ Outreach
- ▶ Accommodation (meet needs - disability, family responsibility, religion, etc.)
- ▶ Lab Charter on EDI: code of conduct; flexible hours; authorships rules; unconscious bias training, etc.
- ▶ Share resources with your HQP and support their participation

Contributions

- ▶ Most Significant Contributions (6yr window)
 - ▶ Clearly state impact (end-users)
 - ▶ Field, Canadians, Country/World
 - ▶ EDI, HQP training, and Knowledge Translation
 - ▶ Refer to your CCV (J1, C2, etc.)
- ▶ Use the Additional Information section!
 - ▶ Authorship order, choice of publication venues
 - ▶ Collaborations/ Non-official supervisions
 - ▶ Service
- ▶ Embed impact into your proposal



Getty Images

Research, Tools, and Instruments Grants

- ▶ FoS DEADLINE: Oct 17 9AM (ROMEIO + NSERC portal)
- ▶ Up to \$150,000 (net cost \$7,001 - \$250,000)
 - ▶ 2 recent quotes required
 - ▶ All components must form a comprehensive system
- ▶ Must support NSERC funded research
 - ▶ All applicants on team must hold an NSERC grant or CRC position
- ▶ EDI must be included in applicant team & HQP training plan
- ▶ **NEW:** successful applicants/co-applicants cannot reapply in the next competition

NSERC Webinars: “How to Apply to the RTI Program”

- Live w/ Q&A: [Sep 6 2:30 NT \(EN\)](#) , [Sep 8 2:30 NT \(FR\)](#)
- Live w/ Q&A: [Sep 29 2:30 NT \(EN\)](#) , [Sep 27 2:30 NT \(FR\)](#)
- Pre-recorded Videos: [EN 2022](#) , [FR 2022](#)
- Slides: [EN 2022](#) , [FR 2022](#)

