WIN NANOFELLOWSHIPS

ELIGIBILITY AND GUIDELINES

Amount: $10,000 CAD in cash, above guaranteed stipend from supervisor

Citizenship: Open to all Canadian and international grad students registered at UW

Conditions: Applicants must pursue Nanotechnology research

Other Awards: Nanofellowships can be held with other scholarships (depending on regulations of other awards)

Degree Program: UW students can win award twice during graduate studies at UW
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IMPORTANT NOTES

High Success Rate: usually 1 in 3 chances of winning; 2019 was 42%

- Collab Nano Grad Program – student does not have to be enrolled
- Supervisor does not need to be WIN member to apply

- Student needs to show how project contributes to:
  - Nanotechnology
  - United Nations Sustainable Development Goals (UNSDG)

Hope to increase recruitment of new students, increase applications from under-represented students
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APPLICATION FORM FOR PROSPECTIVE STUDENTS

A. Personal Information
B. Consent to Review UW Graduate Studies Application
C. Description of Proposed Research *

*See tips on writing an effective proposal in the section below for existing students
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APPLICATION FORM FOR EXISTING STUDENTS

A. Personal Information
B. Program Information
C. Academic and Research History
D. Transcripts
E. Description of Proposed Research*
F. Reference Contact Information

*See tips on writing an effective proposal in the section below for existing students
KEEP YOUR PROPOSAL CONCISE AND BRIEF; 500 WORDS MAX.

EXPLAIN:
1. The current problem you are trying to solve - why is it important?
2. Experimental design, already conducted and proposed
3. How does your project contribute to the field of nanotechnology? How is it ‘nano?’
4. Results and findings (if applicable)
5. References are not mandatory; if absolutely necessary, can attach a separate page

MAKE SURE THIS IS WELL-WRITTEN.
ENSURE YOUR GRAMMAR USAGE IS CORRECT AND THE TEXT IS FREE FROM TYPOS.
HAVE SOMEONE PROOF-READ BEFORE SUBMITTING.
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ALIGNMENT WITH THEMES AND UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (UNSDG)

Explain:
How does your project contribute to the advancement of basic understanding of one or more of the key thematic areas of nanotechnology – as well as how your project aligns with one or more of the following UNSDGs (300 words max):

1. Smart & Functional Materials
2. Connected Devices
3. Next Generation Energy Systems
4. Therapeutics & Theranostics

Nanotechnology themes: https://uwaterloo.ca/institute-nanotechnology/research-waterloo-institute-nanotechnology

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VIDEO PRESENTATION

Why did you choose a career in nanotechnology?

Video presentations are increasingly becoming commonplace in applications to enhance written or text-based forms. For this competition, provide a recording explaining:
1. Why have you chosen nanotechnology as your field of study?
2. What are your passions for pursing this field?
3. What are your future goals? How do they aim to create a better society?

This should be unique, and not a reiteration of what you provided in your technical Proposal or for alignment to the UNSDGs.

Maximum 2 minutes in length
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VIDEO PRESENTATION

Instructions:

You can either video record yourself giving the presentation along with some graphics/presentation slides or record your voice presenting over a powerpoint presentation.

You can use the UW standard presentation as a template (or your own):

Save it on .mp4 format

Options:

1. You can upload the video to your personal YouTube channel and provide the link in the application in the field in Section C3. Please ensure the video is either set to ‘Public’ or ‘Unlisted’ so our committee is able to view it.

2. You can upload the video file to our Google Drive, using the [WIN Google Drive](#)

3. If you are unable to upload a video or audio file, prefer not to prepare such a file, please complete the questionnaire found on this link: ([add link](#))
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REFERENCE LETTERS

Who should you ask to provide a reference for you?

Best:
• Someone who has acted as your direct supervisor in a science/technical role
• Has known you for at least 1 work term or summer placement (4 months minimum)
• Can evaluate your technical abilities and problem-solving skills
• Someone you know who likes you, and will provide a good reference for you
• Lecturer or teacher whose class you aced, and you pursued research in that field
• Committee member who knows you for over 1 year and has seen your progress

Good:
• Lecturer or teacher whose class you did well in, and can comment on your class performance

Will NOT be considered:
• TA supervisors
• Post-doctoral colleagues with whom you shared research responsibilities
• Family members (regardless of stature or employment relationship)
• High-school teachers or group leaders
• Friends
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EVALUATION/MARKING SCHEME

For Prospective and 1st year MASc/MSc students:
Academic: 35%
Research Potential: 45%
References 20%

For existing UW students with 1+ years in graduate studies and Prospective students who have already completed MASc/MSc:
Academic: 25%
Research Potential: 55%
References 20%
All Nanofellowship Recipients *MUST* give a presentation on their research projects at annual celebration

Annual Nanofellowship Celebration each November; poster session if in-person; 2020 online celebration – video presentation

https://www.youtube.com/c/waterlooinstitutefor nanotechnology

If fail to attend or give presentation of some kind, remainder of Nanofellowship payout will be withheld (or student may forfeit Award entirely)
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QUESTIONS?

Contact:
Dr Lisa Pokrajac, PhD
Assistant Director, Research Programs
Waterloo Institute for Nanotechnology