BIMR Future Materials Innovators Program Application

FUTURE MATERIALS

INNOVATORS PROGRAM

APPLICATION FORM

**Program Details**

1. Call for proposals goes out January 4, 2023. Notice of Intent is due February 1, 2023. **Proposals are due February 28, 2023.** Decisions will be made by mid-March.
2. Must include collaboration between at least 2 different research groups. Preference for collaboration between different departments/faculties, but 2 different research groups within the same department will be accepted.

Must be a topic relevant to Materials Research

Projects must be **new** (existing collaborative projects are not eligible)

1. Funds can be used for materials, supplies, consumables, instrument time (small equipment will require justification)
2. Students must begin work during summer of 2023. Will have one year to complete the project.
   * Students must present progress updates in early September, 2023.
   * Student groups will present research outcomes in BIMR seminar program in spring of 2024, prior to next round of competition.
3. Any unspent funds at the end of 1 year will be recovered by BIMR unless project extension is granted (students can request extension of up to 6 months).

**Section 1 – Applicant Details**

1. Please complete the information below for the principal applicant and co-applicants (maximum of 2 co-applicants):

|  |  |
| --- | --- |
| Principal Applicant Name: | Principal Applicant Email: |
| Student ID: | Home Department: |
| Research Supervisor Name: | Research Supervisor Email |

|  |  |
| --- | --- |
| Co-Applicant Name: | Co-Applicant Email: |
| Student ID: | Home Department: |
| Research Supervisor Name: | Research Supervisor Email |

|  |  |
| --- | --- |
| Co-Applicant Name: | Co-Applicant Email: |
| Student ID: | Home Department: |
| Research Supervisor Name: | Research Supervisor Email |

2. Please list the names of additional research team members who will participate in the research, if any:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Email** | **Student ID** | **Department** | **Supervisor** |
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Please confirm that all team members are aware of the proposal

Please confirm that all research supervisors have agreed to this proposal submission

**Additional Requirements:**

a) Letters of support from each research supervisor indicating that they are aware of this proposal and support time spent on achieving the goals of the proposal by all students involved.

b) Video Pitch – please prepare a short video (3 minutes max) that explains the main ideas of the proposal and why it should be funded. Please upload the video on Vimeo and add link below, as well as password if you want your submission to be password protected on Vimeo:

Video Link:

**Section 2 – Proposal Details**

1. Proposal Title:

[Proposal Title]

1. Provide a brief summary of your proposal idea (300 words max).

[Brief summary – 300 words max]

1. Please describe the details of your proposal below (3 pages max, including figures). Clearly identify the hypothesis, describe the experimental work to be accomplished, and provide a Gantt chart listing milestones to be achieved over 12 months of the project.

[Proposal details – page 1]

[Proposal details – page 2]

[Proposal details – page 3]

1. Please explain the collaborative nature of this project. Explain why this work can’t be done without the combined expertise of the collaborating groups (500 words max).

[Collaborative nature – max 500 words]

1. (Optional) Will you require the help of an undergraduate student to complete this project? If so, please provide a detailed outline of the work that will be performed by an undergraduate student (1 page max).

[Undergraduate student work – max 1 page]

**Section 3 – Budget Justification**

**Use of Funds:** Available funding can be used to purchase chemicals, supplies, and consumables. It can also be used to pay for instrument time in facilities. Small equipment specifically required for the project must be clearly justified (applicants are strongly encouraged to use existing equipment within McMaster facilities and research groups). Personnel salaries are not an eligible use of funds.

**Justification**: Please provide a detailed budget for the proposed project. This should include categories such as “consumables”, “chemicals”, or “microscopy” with expected costs for each category (i.e., number of samples measured × cost per sample).

[Budget justification]