**Seed Grant Program Application 2022-2023**

**Cell and Molecular Imaging Core**

**Seed Grant Funding Purpose**

To provide funds for advanced imaging and analysis technologies and corresponding faculty expertise, to support in vitro and in vivo study of phenomena at the subcellular, cellular, tissue, and whole animal scale. Funds can be used to pay for the use of confocal, multiphoton and super-resolution imaging in the SLR CALMN and MAGIC cores, along with analysis software and associated technical expertise. Grants of $2,000-$5,000 are allowed and once approved must the spent within 12 months. Seed grant money can only be used towards use of the core equipment and technical staff and the money will be deposited within those cores for access by approved investigators who have successfully competed for pilot grants.

|  |  |
| --- | --- |
| **Due Date:** | Rolling application |
| **Project Duration:** | One year |

**Amount**

A maximum of $5,000 is allowed.

**How to Apply**

Complete Sections 1 and 2 using Arial 11-point font, single-spaced. A bibliography is not required but may be included within the two-page limit. Do not alter margins, delete form text, or exceed the two-page form limit. Section 13a is to be completed only for resubmissions of a full grant application.

**Review Process**

* To determine if the investigator project is compatible with Core capabilities, investigators meet with either Dr. Ania Majewska or Dr. Edward Brown. Each proposal will be evaluated by Drs Majewska and Brown and they will make subsequent funding decisions based on evluations and project feasibility.
* Drs. Majewska and Brown rapidly review requests, advise users on experimental design, and interface with the directors of each Core component to design the best possible approach and alert staff members to upcoming studies and the training/assistance required.

**Awardee Responsibilities**

Awardees are required to:

* present their preliminary data at an IDDRC event at the end of the funding period describing how the funds were used, what data were collected, and how the data will be used to target an external funding opportunity.
* confirm submission of the grant for which the pilot funds were used or describe why the grant will not be submitted (i.e., pilot data were not compelling).  Note that the grant does not need to be submitted during the funding period.
  + provide feedback as to the funding/scoring of the grant submission and any revisions of the submission.
* submit a progress report 6 months after project commencement, and a final progress report along with a core user survey at the end of the funding period. The final progress report should describe the research activities undertaken, status of manuscript development if applicable and plans to secure extramural funding and any other research work that is planned. Awardess will be expected to cite funding support in any publication or grant that results from data collected through this award. Sample text below.

***This publication (or project) was supported by P50 HD103536*** ***provided by the DHHS/PHS/NIH.*** ***The content is solely the responsibility of the authors and does not necessarily represent the official views of the Funder. a, b***

aThe grant must also be associated with publications in "[**My Bibliography**](http://www.ncbi.nlm.nih.gov/books/NBK53595/)" on PubMed/NCBI.  
bPublications must be compliant with the [**NIH Public Access Policy**](https://publicaccess.nih.gov/).

**Submission Instructions**

Click submit your LOI to [sherry\_mentor@urmc.rochester.edu](mailto:sherry_mentor@urmc.rochester.edu)

**Section 1**

|  |  |  |
| --- | --- | --- |
| **1** | **Date of Application** |  |
| **2** | **PI/Applicant Name**  (first, last, degree(s)) |  |
| **3** | **Department and Academic Rank** |  |
| **4** | **PI/applicant email address and telephone** |  |
| **5** | **Department Administrator name and email** |  |
| **6** | **Mentor/Co-Investigators** (name, institution, academic rank, email address) |  |
| **7** | **Project Title** |  |
| **8** | **Has your project received UCAR approval?**  Yes  No  Submitted, but have not received a response | |
| **9** | **Hypotheses and Objective of the Project** **(max 200 words)** | |
| **10** | **Overview of the Study Design/Methods (max 500 words)** | |
| **11** | **Relevance to the Scientific Field of IDD (max 100 words)** | |
| **12** | **Future Plans (max 250 words)**: Explain how pilot study will be developed into an extramural grant proposal | |
| **13** | **Is this a resubmission of a previously reviewed (but not funded) Pilot Project Program application that was submitted to another URMC department?**  Yes  No | |
| **13a** | **Resubmission (500 words):** If this LOI is a first resubmission of a previously reviewed but not funded full pilot application, up to a half-page may be appended to the end of this template to respond to reviewer comments; this half-page does not count in the two-page limit. | |

**Section 2**

### The following sections are not included in page limits

## Budget and Budget Justification Total requested costs may not exceed $5,000. Detail expenses and explain how funds are to be used. Address any overlap between funds requested and funding already received for this research (if applicable).

## Please include the following budget categories:

|  |  |
| --- | --- |
|  | **Amount** |
| **CALMN: confocal microscopy**  **Nikon confocal: $35/hr**  **Olympus confocal: $30/hr**  **Confocal training: $200/person**  **Staff assisted imaging: $50/hr (not including confocal use fees)** |  |
| **CALMN: super resolution microscopy**  **Abberior STED microscope: $47/hr**  **Staff assisted imaging: $50/hr (not including confocal use fees)** |  |
| **MAGIC:**  **Olympus MPM (unassisted): $64/hr**  **Olympus MPM (assisted): $98/hr**  **MPM training: $250/pp** |  |
| **Image Analysis:**  **Workstation use (Imaris/Amira): $5/hr**  **Image analysis (assisted): $50/hr or project based (inquire with MAGIC)**  **Imaris training: $50/pp** |  |
| **Total Direct Costs** | **$** |

**Budget Justification**