

IMAGING PILOT AWARD APPLICATION

Irving Institute for Clinical and Translational Research

2017

2017 Irving Institute Imaging Pilot Award Application

The Irving Institute's Pilot and Collaborative Studies Resource (PCSR) seeks applications for one-year, one-time only, individual imaging pilot grants ranging from \$5,000 to \$10,000 each, in the following areas:

- Magnetic Resonance Imaging (MRI)
- Optical Imaging
- PET Tomography
- Single Photon Emission Computed Tomography/Computed Tomography (SPECT/CT), and Ultrasound.
- *Structural, functional, or spectroscopic imaging studies in animals or human subjects with relevance to medical illness will be considered.*

These 2017 Irving Institute Imaging pilot funds are intended primarily for JUNIOR INVESTIGATORS who have not previously received funding through this mechanism. At award time, qualified applicants must have an appointment as an Instructor, Assistant Professor (clinical or tenure track) or Associate Research Scientist at CUMC. U.S. citizenship or permanent residency status is not required. Focus of the application should be on PILOT STUDIES which will lead to independent, external funding.

Funds are limited, and the main goal is to obtain pilot data for NIH, NSF or foundation grant applications. To ensure the methods proposed are optimal for the research question being posed, applications will be reviewed by a multidisciplinary selection committee with expertise in radiology and imaging. Budgets for approved projects will range from \$5,000 to \$10,000, as determined by the Imaging Review Committee.

DEFINITION OF CLINICAL AND TRANSLATIONAL RESEARCH

RESEARCH DIRECTED TOWARD HUMAN DISEASES

RESEARCH SHOULD INVOLVE ONE OR MORE OF THE FOLLOWING:

- **DIRECT CONTACT WITH HUMAN SUBJECTS, INCLUDING THERAPEUTIC TRIALS, STUDIES OF GROUPS OF PATIENTS OR CLINICAL OUTCOMES;**
- **LABORATORY STUDIES OF HUMAN BODY FLUIDS, TISSUES, CELLS OR DEVICES;**
- **STUDIES IN ANIMAL MODELS OF A DISEASE IN WHICH A THERAPEUTIC APPROACH AND/OR MECHANISM OF DISEASE IS BEING INVESTIGATED.**

NOTE: Applications with an interdisciplinary and collaborative approach with other departments or schools are favorably viewed.

DIRECTIONS:

1. All applications must be submitted through the web-based system, <http://irvinginstitute.fluidreview.com/>, by 5:00pm, Friday, February 3, 2017.
2. Applicants using FluidReview for the first time should create a new user account using their Columbia University email address. Returning FluidReview users should log into the system using their username and password. **Each applicant will need to begin a new Imaging pilot application submission using the following format for the submission title, "LAST NAME, First Name - 2017 Imaging Pilot Application".**
3. **Fill out all parts of the web-based Application Form** (contact information for all team members, the project title, abstract, current funding sources, submitted applications, human/animal research approvals, 12-month budget, and budget justification).

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Budget: This one-time award is in the sum of \$5,000 - 10,000. **This pilot grant is for imaging costs only and may not be used for salary, fringe, supplies, travel, or other general expenses (OTPS).** Costs may include a modest sum to reimburse study participant travel. Each item must be justified in the budget justification section of the application.

4. **Upload the body of the application as a single PDF** that does not exceed four (4) single-spaced, typed pages (11 or 12 point font required; Arial typeface preferred), excluding references. It should include:
 - **Goals** – What are you planning to do? (1 page)
 - **Public Health Significance of Proposed Study (Rationale)** – Why is it worth doing? Has it been done before? (1 page)
 - **Imaging modality** – Which modality will be used? Why has it been chosen? (1 page)
 - **Long-term Aims and Future Plans** – Including plans for future funding. What is the next step after receiving pilot funding? Is a grant application planned and, if so, when? (1 page)
5. **Upload NIH-style biosketches** for each investigator including collaborators and/or consultants, including eRA Commons usernames: Maximum of 5 pages per investigator (including Other Support).
6. **Submit the application** by selecting the “Submit Your Application” button in the web-based application system, <http://irvinginstitute.fluidreview.com/>.

NOTE: IRB/IACUC approval is not required at the time of application. However, if a candidate is awarded a grant and the project involves the use of data from human and/or animal subjects, an IRB/IACUC approval number must be forwarded prior to receipt of funding. Pilot funds cannot be released until all required approvals are obtained.

Please log into your FluidReview account and indicate if your research involves human subjects and/or animals. If human subjects and/or animals are involved, please update FluidReview once the appropriate IRB and/or IACUC approvals have been obtained. In order to avoid any delays if funding is awarded, candidates are encouraged to apply and obtain IRB/IACUC approval in advance.

Although senior leaders and Resource directors of the Irving Institute may be consulted during the preparation of the application, they should not be included as co-investigators or collaborators. For a list of these individuals please visit: http://www.irvinginstitute.columbia.edu/people/executive_leaders.html

REVIEW PROCESS:

Reviewers will use a scoring system based on a 5-point scale and judge each application on the basis of scientific merit, appropriate use of imaging modality, project innovation, and potential of the junior investigator for independent research career.

2017 Irving Institute Imaging Pilot Award Application

For any questions about the scientific content, please contact the Co-Directors of the Irving Institute's Imaging Pilot Award Program:

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Professor of Biomedical Engineering and Radiology (Physics)
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Diana Martinez, MD
Associate Professor of Psychiatry at CUMC
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For any questions about the application process, please contact:

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FAILURE TO FOLLOW THESE DIRECTIONS WILL RESULT IN THE PROPOSAL NOT BEING REVIEWED.

JUNIOR INVESTIGATORS ARE STRONGLY ADVISED TO REVIEW APPLICATIONS WITH SENIOR FACULTY MEMBERS PRIOR TO SUBMISSION.

DO NOT INCLUDE APPENDICES.

ALL APPLICATIONS MUST BE SUBMITTED BY FRIDAY, February 3, 2017, 5:00pm EST.

THE 2017 IMAGING AWARD RECIPIENTS WILL BE ANNOUNCED IN APRIL 2017.

FUNDING WILL BE AVAILABLE ON MAY 1, 2017.

For a list of previous Imaging Core awardees, please visit:
http://irvinginstitute.columbia.edu/resources/imaging_core_winners.html

To access the Irving Institute's web based application system, please visit: <http://irvinginstitute.fluidreview.com/>