Center for Biophysical Assessment and Risk Management Following Irradiation

Pilot Projects

CBARMFI Pilot Project Funds Now Available

The **C**enter for **B**iophysical **A**ssessment and **R**isk **M**anagement **F**ollowing **I**rradiation, a consortium of researchers and institutions housed at the University of Rochester, announces the availability of funds to support a limited number of Pilot Projects. The objective of a proposed Pilot Project should be relevant to the research of the Center—biological risk assessment, dosimetry, and mitigation of the effects of a nuclear or radiological event.

Pilot Project grants are available for up to $50,000 (total costs) for the duration of one year; meritorious projects may qualify for a second year of funding based upon progress, productivity, and interaction with existing Center programs.
Applications from new investigators developing collaborations with existing Center Faculty are encouraged. Funds are restricted to research expenses and generally cannot be used to support travel, faculty salary, or equipment purchases.

Applications: The application process will be conducted using a two-tiered review system in order to streamline the review process and increase the quality and relevance of grants that are subject to a full review.

Initial Applications, due December 1st, are in the form of a one-page "white paper" describing the goals and objectives of the proposed project, relevance to the mission of CBARMFI, and the proposed nature of interactions with Center research and Faculty. Applicants are *strongly encouraged* to discuss potential projects with appropriate investigators as part of the formulation of the application. Abstracts will be reviewed by the Pilot Project Internal Advisory Committee and those applicants selected to submit *full applications* will be contacted by January 5th.

The deadline for **initial** applications is December 1st, 2008

Full Applications, in the form of a 10 page NIH-type proposal, will undergo comprehensive scientific review. Subsequently, the Internal Policy Committee may request further clarification of grant-related issues either in writing or via conference call.

Specifications for Full Application: (10 pages, single-spaced, 11-point font minimum)
- Specific Aims
- Research Plan
- Proposed collaborations/interactions with CBARMFI Faculty

In addition, please include the application form, a basic budget, your current CV, supporting letters, as well as any applicable Institutional approvals.

Full Applications are due February 13th, 2009. Applicants will be notified of awards by March 13th.

Final funding decisions are made by the CBARMFI Director and Co-Director.
Awards are subject to IACUC, IRB, safety approvals, and NIAID approval.

Background: In order to expand the medical options available to triage, prevent, and/or treat radiation-induced injury, and thereby help minimize terrorist threat, the NIAID/NIH established eight Centers for Medical Countermeasures against Radiation (CMCRs) in September 2005. These Centers include Columbia University, Dana Farber Cancer Institute, Duke University, Fred Hutchinson Cancer Research Center, Medical College of Wisconsin, University of California-Los Angeles, University of Pittsburgh, and the University of Rochester Medical Center.

The goal of the Pilot Project Program is to advance the research aims of CBARMFI and the work of the CMCR programs: the continued improvement of existing approaches for predicting risk and for ameliorating the side effects of radiation. Our risk and intervention estimators are based on physical dose, host cytokine balance, and genotoxicity. We emphasize understanding and mitigating radiation-related inflammation. In the Center, we direct attention to different aspects of radiation terrorism, while emphasizing damage to solid organs at exposures that are not immediately lethal (e.g. low-dose chronic exposure, inhalation exposure). We seek to refine physical and biodosimetric markers for victims and, importantly, mitigating agents. For further information, please see the CBARMFI website http://radonc.urmc.rochester.edu/U19/ or contact Faculty members listed below.

CBARMFI comprises five scientific Projects and four Cores:

Center for **B**iophysical **A**ssessment and **R**isk **M**anagement **F**ollowing **I**rradiation http://radonc.urmc.rochester.edu/U19/	
Project 1 (Paul Okunieff) paul_okunieff@urmc.rochester.edu	Inflammatory Molecules in Radiation Toxicity: Risk Assessment and Intervention
Project 2 (Jacob Finkelstein) jacob_finkelstein@urmc.rochester.edu	Pulmonary Response External and Internal Exposure: Model for Dispersion Event
Project 3 (Harold Swartz) harold.swartz@dartmouth.edu	In Vivo EPR for After-the-Fact Measurement of Dose
Project 4 (Yuhchyau Chen) yuhchyau_chen@urmc.rochester.edu	Validation of Quantitative, High Throughput *In Vivo* and *Ex Vivo* Assays of Bone Marrow Genotoxicity after Radiation Exposure
Project 5 (Richard Hill) hill@uhnres.utoronto.ca	Assessing Skin Exposure by Measuring DNA Damage in Skin Cells

Administration Core (Paul Okunieff) paul_okunieff@urmc.rochester.edu	**Pilot Projects Core** (Jacob Finkelstein) jacob_finkelstein@urmc.rochester.edu	**Educational Core** (Jacky Williams) jackie_williams@urmc.rochester.edu	**Biostatistics Core** (Sally Thurston) thurston@bst.rochester.edu

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Submit Initial Application Materials by December 1st to:

Dr. Jacob Finkelstein
Department of Pediatrics & Neonatology
University of Rochester Medical Center
601 Elmwood Avenue, Box 850
Rochester, NY 14642

Email: Jacob_Finkelstein@urmc.rochester.edu

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Center for Biophysical Assessment and Risk Management Following Irradiation

Pilot Projects

Principal Investigator: _____

Department: _____

Project Title: _____

_____

Requested Support Period: _____

Amount Requested: _____

Does research involve human subjects: ❒ Yes ❒ No

Does research involve animals: ❒ Yes ❒ No

Abstract of Proposal

Proposed Budget

Proposed Budget Period:

Personnel:

Name	Title	% Effort	Salary	Fringe	Total

Total Personnel: $_____

Supplies:

Total Supplies: $_____

Other:

Total Other: $_____

Total Pilot Project Costs: $_____

Please Note: *Funds are restricted to research expenses and generally cannot be used to support travel, faculty salary, or equipment purchases.*