FUNDING AVAILABLE FOR PILOT PROJECT PROPOSALS

We are seeking applications for pilot project funding relating to *high-throughput minimally-invasive radiation biodosimetry*.

The projects will be part of a joint NIH-funded program involving Columbia University, Georgetown University, Lovelace Respiratory Research Institute, Translational Genomics Research Institute, New York University, and University of Bern. Details of the program can be found at [www.cmcr.columbia.edu](http://www.cmcr.columbia.edu).

We currently support biodosimetry projects using cytogenetic, gene expression, and metabolomic endpoints, and we are looking for biodosimetry-oriented pilot projects which will either complement these areas, or open up new research avenues. The projects can be biologically- or physically-based, but must ultimately be directed towards practical high-throughput radiation biodosimetry or dosimetry, after external photon or neutron exposure, or internal radiation exposure. Innovative proposals for testing new concepts are encouraged.

Each pilot project will be of limited duration (up to two years) and of a limited budget (up to $75,000 direct costs/year/project). The maximum individual award is $100K per year total costs.

The application due date is October 29, 2010, with a projected start date of January 1, 2011.

Full application details are given on the next page. Please address technical inquiries to the PI, David J. Brenner at djb3@columbia.edu. Administrative questions and applications should be addressed to Lilian Oling at lao2106@columbia.edu, telephone: 212-342-1095.
The application must include:

A scientific part that is no longer than four pages and includes the following brief sections:
I. Abstract
II. Specific Aims
III. Background/Preliminary Results
IV. Research Design and Methods

Human Subjects Research

Projects involving use of human subjects must in addition include a Human Subjects Section in the application, prepared in accordance with the instructions in PHS 398 Part II “Supplemental Instructions for Preparing the Human Subjects Section of the Research Plan”. Please see instructions at http://grants.nih.gov/grants/funding/phs398/phs398.html

Provide a section entitled “Human Subjects Research” immediately following last entry in the Research Design and Methods section:

Create a subheading for each of the following sections, follow the instructions that are identified for each topic and provide the information that is requested:

- Protection of Human Subjects – Section 4.1 - 4.1.4
- Inclusion of Women and Minorities - Section 4.2
- Targeted/Planned enrollment table - Section 4.3
(http://grants.nih.gov/grants/funding/phs398/enrollment.doc)
- Inclusion of Children - Section 4.4

Vertebrate Animals Research

Projects involving use of vertebrate animals must in addition include a Vertebrate Animals Section in the application, prepared in accordance with the instructions in subsection 5.5.10, page I-44, of the PHS 398 Part I “Instructions”. http://grants.nih.gov/grants/funding/phs398/phs398.html

Please address the each of the five points below:

1. Provide a detailed description of the proposed use of the animals for the work outlined in the Research Strategy section. Identify the species, strains, ages, sex, and numbers of animals to be used in the proposed work.
2. Justify the use of animals, the choice of species, and the numbers to be used. If animals are in short supply, costly, or to be used in large numbers, provide an additional rationale for their selection and numbers.
3. Provide information on the veterinary care of the animals involved.
4. Describe the procedures for ensuring that discomfort, distress, pain, and injury will be limited to that which is unavoidable in the conduct of scientifically sound research. Describe the use of analgesic, anesthetic, and tranquilizing drugs and/or comfortable restraining devices, where appropriate, to minimize discomfort, distress, pain, and injury.
5. Describe any method of euthanasia to be used and the reason(s) for its selection. State whether this method is consistent with the recommendations of the American Veterinary Medical Association (AVMA) Guidelines on Euthanasia. If not, include a scientific justification for not following the recommendations.
PHS 398 Forms

Please complete the following PHS 398 forms also available at http://grants.nih.gov/grants/funding/phs398/phs398.html

1. A signed Face page, Form Page 1 of PHS 398
   http://grants.nih.gov/grants/funding/phs398/fp1.doc

2. A detailed budget prepared using Form Page 4 of PHS 398
   (http://grants.nih.gov/grants/funding/phs398/fp4.doc)
   The initial budget period is 1/1/2011 – 07/31/2011
   Year 2 budget period is 08/1/2011 -07/31/2012

3. A budget justification prepared using Form Page 5 of PHS 398
   http://grants.nih.gov/grants/funding/phs398/fp5.doc

4. A completed PHS 398 biographical sketch for all key personnel

5. A list of other support for all named personnel, in PHS 398 format
   (http://grants.nih.gov/grants/funding/phs398/othersupport.doc). Note, the total percentage
   of support for any individual INCLUDING proposed support from this project may not
   exceed 100%.

6. A completed PHS resources form
   (http://grants.nih.gov/grants/funding/phs398/resources.doc)

7. A Completed PHS 398 checklist
   http://grants.nih.gov/grants/funding/phs398/checklist.doc

NOTE: Final funding will be contingent upon receipt, if appropriate, of a copy of IRB
and/or IACUC approval letter(s), along with a copy of each approved protocol.