



# Developmental Project Grant Program

*Applications due: December 15, 2009*  
*Award Start Date: March 1, 2010*

## SUMMARY

Support for innovative projects that address key questions in biodefense and emerging infectious diseases. Projects must fall within the scope of the following areas and involve agents from the NIAID Category A-C or Emerging and Re-emerging Infectious Diseases lists:

**NIAID Category A, B and C priority pathogens:**

<http://www3.niaid.nih.gov/topics/BiodefenseRelated/Biodefense/research/CatA.htm>

**NIAID Emerging and Re-emerging Infectious Diseases:**

<http://www3.niaid.nih.gov/topics/emerging/list.htm>

## RESEARCH AREAS OF INTEREST

1. Basic Biology
2. Mechanisms of pathogenesis
3. Application of genomic or proteomic strategies
4. Basic aspects of the innate and adaptive immune responses
5. Rapid, sensitive, and specific approaches for detection and identification
6. Target identification for diagnostics, therapeutics, and vaccines, including assay development
7. Development of new animal models for pathogenesis studies; for therapeutics and vaccine evaluation; and for rapid diagnostic studies

## ELIGIBILITY

Open to full-time faculty at academic institutions or equivalently ranked investigators from biotechnology or pharmaceutical industries within the MRCE region (Missouri, Kansas, Nebraska, Iowa and the greater Cleveland, OH area). The MRCE is particularly interested in:

- Junior faculty level investigators without grant support who seek to establish independence
- Independent investigators who wish to enter the fields of biodefense or emerging infectious diseases research
- Established biodefense or emerging infectious diseases investigators wishing to pursue a new direction within these fields

## AMOUNT

Up to \$150,000 direct costs plus institutional F&A for one year may be requested. Up to 3 awards will be made. Previous awardees are eligible to apply for up to two years of funding.

## REVIEW PROCESS

Applications will be reviewed by members of the MRCE leadership including members of its Steering Committee (<http://mrce.wustl.edu/About/Steering/Steering.aspx>) and External Advisory Board (<http://mrce.wustl.edu/About/EAB/EAB.aspx>). Awardees will be notified by MRCE Director Dr. Herbert W. Virgin in mid-January, 2010. Awards are contingent on the MRCE's timely receipt of all appropriate institutional regulatory information (e.g. human studies, animal studies, etc.), and final approval by the NIAID. All human subjects protocols must receive institutional approval as well as approval by Washington University's IRB committee prior to the start of funding. Applications are encouraged to have all regulatory paperwork in process or ready for submission by January 30, 2010.

## ABOUT THE PROGRAM

Awardees are required to submit an annual progress report to the MRCE in the Fall of 2010 and report related publications within 90 days of the award's date. Acceptance of funds implies a firm commitment to provide these reports in a timely manner. All publications should acknowledge the MRCE. It is expected that awardees will completely utilize the full amount of funding awarded during the one-year term of the award. All unexpected funds at the end of the term will be returned to the MRCE Administrative Core. Extensions or changes to the terms of the award will generally not be permitted.

## TO APPLY

Please use NIH PHS 398 forms (Revised 11/2007) and list the Principal Investigator's (PI) name on the top right of every page of the application. Forms can be found at <http://grants.nih.gov/grants/funding/phs398/phs398.html>

When completing budget pages, please refer to the following list:

### Expenditures Allowed:

- Staff salary support
- Research supplies and animal maintenance
- Minor equipment costing less than \$5,000
- Special fees (pathology, photography, etc.)

### Expenditures NOT Allowed:

- Principle investigator salary support
- Secretarial/administrative salary support
- Office equipment and supplies
- Computers or telephone/Internet charges
- Tuition
- Domestic or foreign travel
- Publication costs, including reprints
- Dues and membership fees in scientific societies
- Purchasing and binding of periodical and books
- Honoraria and travel expenses for visiting lecturers
- Rental of office or laboratory space
- Construction or building maintenance
- Recruiting or relocation expenses

The following headings should be used for the research plan (A-D page limit is 5 pages including tables and/or figures):

- A. **Specific Aims:** State concisely the hypothesis to be tested and the specific aim(s) to be achieved during the grant period.
- B. **Background and Significance:** State the relevance of the proposed project to biodefense or emerging infectious diseases research, and how it addresses a key question in one of the 7 RESEARCH AREAS OF INTEREST listed above.
- C. **Preliminary Studies:** Discuss the pertinent research findings that establish the importance and feasibility of your project.
- D. **Research Design and Methods:** Concisely present your experimental design and the methods to be used to accomplish your specific aims relating to that of biodefense/emerging infectious disease and to longer term funding objectives. Also indicate how the results will be interpreted and how they will lead to future investigations. Well-known methods and standard procedures may be described very briefly or referenced, but novel experimental approaches should be outlined in more detail.
- E. **References Cited**
- F. **Protection of Human Subjects:** Summarize your human subjects studies.
- G. **Inclusion of Woman and Minorities**
- H. **Targeted/Planned Enrollment Table**
- I. **Inclusion of Children**
- J. **Vertebrate Animals:** Summarize your vertebrate animal studies.
- K. **Select Agent Research**
- L. **Multiple PD/PI Leadership Plan**
- M. **Consortium/Contractual Agreements**
- N. **Letters of Support (e.g. Consultants)**
- O. **Resource Sharing Plan(s)**

#### APPLICATION CHECKLIST

- \_\_\_ Face page (form page 1)
- \_\_\_ Summary, Relevance, Project/Performance Sites, Senior/Key Personnel, Other Significant Contributors, and Human Embryonic Stem Cells (form page 2)
- \_\_\_ Research Grant Table of Contents (form page 3)
- \_\_\_ Detailed Budget for Initial Budget Period (form page 4)
- \_\_\_ Budget for Entire Proposed Project Period (form page 5)
- \_\_\_ Biographical sketch (maximum of 4 pages)
- \_\_\_ Resources format page
- \_\_\_ Research plan (5-pages maximum for sections A-D listed above. No appendices allowed.)
- \_\_\_ NIH Checklist form page
- \_\_\_ Copy of approval letter(s) if project involves human or animal subjects
- \_\_\_ NIH formatted other support
- \_\_\_ If project requires a sponsor, consultant or collaborator, this individual should write a letter of support for the application and should clarify any potential overlap between their support and the subject of the proposal

APPLICATION FILES MUST BE E-MAILED IN WORD (\*.doc or \*.docx) NO LATER THAN 5:00 pm CDT  
DECEMBER 15, 2009 TO: [shandley@mrce.wustl.edu](mailto:shandley@mrce.wustl.edu)