

**MICHIGAN MEMORIAL-PHOENIX PROJECT  
APPLICATION INFORMATION FOR RESEARCH GRANTS**

**PURPOSE**

Phoenix grants support faculty research involving the peaceful applications of nuclear energy, science, and technology and the associated social implications. This can include work in engineering; the physical, biological, health, and social sciences; and the humanities. Requests for \$10,000 or less will be considered appropriate. Priority for awards will be given to projects in which the applicant proposes to explore innovative uses of the peaceful use of nuclear energy, science, and technology. Consideration may be given to multi-year proposals that are directly related to the development and enhancement of Phoenix programs. Among equally rated proposals, preference for awards will go to (1) new faculty, particularly to those who need funding in order to seek research support from outside agencies, and (2) established faculty who need assistance in opening a new area of research. Applications from faculty who have substantial outside support or who have received significant Phoenix support previously will be given lower priority and will be required to demonstrate the pressing need for these additional Phoenix funds.

**ELIGIBILITY**

The applicant must be a member of the University's regular teaching and/or research faculty (including Assistant, Associate, and Full Professors and Research Scientists; Librarians; Curators; and Archivists). Part-time faculty, Research Investigators, Instructors, and Lecturers with 50 percent or greater appointments, who are required to conduct research as part of their University duties, also are eligible to apply. Clinical staff members are eligible only if they have an additional appointment as a regular teaching and/or research faculty member and are required to conduct research or teach formal University courses. Doctoral students are not eligible.

All eligible faculty **must certify their status as independent scientific researchers** (please see Cover Sheet 2).

**APPLICATION PROCEDURES**

Applications are due **Friday, October 31, 2003, in Room 4080 of the Fleming Building.** The applicant should submit **12 paper copies of the application, including one copy with original signatures.** The application should be **double-sided, double-spaced pages on 3-hole punched paper** and each copy of the application should be stapled. In addition to the cover sheets, curriculum vitae, and any appendices, **the body of the proposal should not exceed six double-sided, double-spaced pages.**

If the proposed project involves the use of human subjects, radioactive materials, recombinant DNA, or vertebrate animals, specific University approvals are necessary before the grant, if awarded, can be activated. The applicant must secure any required approvals. The Division of Research Development and Administration at 764-5500 can provide information about the approval procedures. The appropriate responses should be checked in Item VI of the application Cover Sheet 1.

Prior to the grant being awarded, the requester will be asked to provide a 200-word summary of the proposed research suitable for publication. It should not be an abstract of the proposal, but rather a self-contained description of the activity that will result. The summary should be written in the third person and include a statement of objectives, methods to be employed, and the significance of the proposed research to the advancement of knowledge. **It should be informative to other persons working in the same or related fields and, insofar as possible, understandable to a scientifically literate reader.**

## **APPLICATION PREPARATION**

Enclosed are application cover sheets which should be completed and attached to each copy of the application. The body of the application should follow the format attached to the enclosed application cover sheets. The body of the proposal should not exceed six double-sided, double-spaced pages.

Special attention should be paid to item X.C.1-2 of the application format, which requires (1) a carefully considered statement on the impact of the study to advancing knowledge affecting the peaceful uses of nuclear energy, science, and technology; and (2) demonstrate any pressing need which justifies additional Phoenix funds where substantial outside funding might already exist for the research, or where significant Phoenix support has been awarded previously to the applicant.

The applicant must list any pending applications for any related research project. This includes applications to federal agencies; foundations; and other University units such as Rackham and the Vice President for Research.

## **BUDGET NOTES:**

Salary of the principal investigator and publication expenses are not allowed.

The budget period is for one year. Please round off figures to the nearest dollar.

### Research Assistance

For assistance, check with the appropriate University personnel office for current wage and salary rates.

### Fringe Benefits

Multiply the total amount for research assistance by 15-30 percent or more, depending on the type of appointment. Tuition also may be included for GSRA's. Fringe benefits must be included in the budget if research assistance is requested. If there are questions, please contact Jane Ritter at 763-1290 for assistance in determining a budgeting percentage.

### Equipment

Costs should be quoted at current prices and shipping costs included.

### Expendable Supplies and Services

These should be items not ordinarily provided by a department's budget. Also, requests to support research user charges from other University units are discouraged.

### Travel

Expenses may be requested for field trips but not for meetings of societies or for conferences.

## **ADDITIONAL INFORMATION OR QUESTIONS**

Please contact Jane Ritter at 763-1290 or via e-mail at [ritterj@umich.edu](mailto:ritterj@umich.edu).

THE UNIVERSITY OF MICHIGAN  
MICHIGAN MEMORIAL-PHOENIX PROJECT  
APPLICATION FOR FACULTY RESEARCH GRANT

I.Applicant's Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Faculty Title and Rank: \_\_\_\_\_  
No. of Years in Rank: \_\_\_\_\_  
No. of Years at U. of M.: \_\_\_\_\_  
Department: \_\_\_\_\_ Organization Code: \_\_\_\_\_  
Room No., Building, Campus Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

II.Dept./Div. Chair's Name: \_\_\_\_\_  
Dept./Div.: \_\_\_\_\_  
Room No., Building, Campus Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_

III.Title of Project: \_\_\_\_\_

IV.Grant Amount Requested: \_\_\_\_\_

V.Budget: \_\_\_\_\_  
Research Assistance \$ \_\_\_\_\_  
Fringe Benefits (@15-30% of above) \_\_\_\_\_  
Equipment \_\_\_\_\_  
Expendable Supplies and Services \_\_\_\_\_  
Travel \_\_\_\_\_  
TOTAL \$ \_\_\_\_\_

VI.Will this project involve the use of:  
Human subjects Yes\_\_\_ No\_\_\_  
Radioactive Materials Yes\_\_\_ No\_\_\_  
Recombinant DNA Yes\_\_\_ No\_\_\_  
Vertebrate Animals Yes\_\_\_ No\_\_\_

If yes on any of the above, PI must certify approval(s) prior to grant award.

VII.Is a simultaneous application for support of this project, or a different or related one, being submitted to another University unit such as Rackham, Vice President for Research, etc.?  
Yes\_\_\_ No\_\_\_  
If yes, indicate unit(s): \_\_\_\_\_  
and amount(s) requested: \$ \_\_\_\_\_

VIII. Is this proposal a revision and/or resubmittal of a prior application to the Phoenix Project?  
Yes\_\_\_ No\_\_\_

**COVER SHEET (2 of 2) MICHIGAN MEMORIAL-PHOENIX PROJECT  
APPLICATION FOR FACULTY RESEARCH GRANT**

**Certification of Status as Independent Investigator**

The purpose of the following certification indicates approval for submission of the proposal and to assist in determining the proposal applicant's independence as a scientific researcher. Attach additional pages if needed.

**Principal Investigator:**

1) Source(s) of salary funds for Principal Investigator of this proposal. If source is research grant(s), list Principal Investigator(s) for the grant(s) and list all active grant(s) for the PI(s).

2) Facilities available for this study. Please list location(s), department, approximate square feet of office/laboratory research space assigned to the proposer. If this space exists within a laboratory assigned to another faculty member, describe the degree of independence of Principal Investigator of this proposal.

3) If other independent investigators are to collaborate in this work, please acknowledge them here:

4) **Certification and Approval**

**Department, or Division, Chair:**

Name \_\_\_\_\_ Signature \_\_\_\_\_  
(typed)

Date \_\_\_\_\_

**Associate Dean for Research:**

Name \_\_\_\_\_ Signature \_\_\_\_\_  
(typed)

Date \_\_\_\_\_

The following format to be followed for subsequent pages of the proposal. The answer to each question should be preceded by the appropriate number and heading as outlined below. In writing the detailed description of the project, use plain language, free of jargon, and terms understandable to faculty on the MMPP Executive Committee, who represent a broad range of academic disciplines. Applicants should give specifics and details on techniques. The body of the proposal below (Sections X-XI) should not exceed six double-sided, double-spaced pages.

X. Description of Project

A. Senior Faculty and/or Previous Review Statements . Complete these sections only if they apply.

1. Senior Faculty Statement (one-half page maximum)

This is applicable to full professors or to associate professors (or their research faculty equivalents) with more than four years in rank. Indicate current status of related research and describe how the proposed project represents a new line of inquiry in your own area of research, or a shift to a new area of research distinct from your prior research. If outside funding to support your research is difficult to secure, please explain.

2. Response to Previous Reviews (one-half page minimum)

This is applicable only to those projects that have been previously rejected by a Rackham Divisional Review Board and being submitted for consideration under this program. Summarize the concerns of the prior review panel and discuss how those concerns have been addressed in the current application.

B. Detailed Description of Project

Describe the purpose of the study and give details of the design. The description should not be a lengthy application that will be or has been submitted to an external funding source and should not exceed three double-sided, double-spaced pages. Document the description with critical references indicative of significant developments in the field. Appendices may be included.

1. Specific Issues to be Explored

Briefly describe the most significant previous work in the field under consideration. State the issues your research will explore and/or the hypotheses you will test and their significance; be as specific as possible about the relationship of your research to other research in the field and identify the gaps that the proposed project is intended to fill by relating the specific aims of the project to previous work in the field.

2. Approach

State the objectives and specific aims of this project and the theoretical perspectives you will use to address the underlying issues of your research.

3. Methods/Techniques

Provide details of your approach and the methods to be used in the project; state why the proposed methodology is particularly appropriate for your investigation.

4. Design (This section is to be completed if the research includes statistical analysis.)

Provide details of the research design and describe the formal analysis to be used to test the validity of the stated hypotheses.

5. Limitations/Pitfalls

Indicate potential or possible limitations and pitfalls to the approaches and methods you are proposing.

6. Project Timetable and Subsequent Funding

Indicate the present state of the proposed study--what work has been done for the project and what remains to be done. If your short-term research proposal is other than a self-contained project that will be completed by the end of the funding period, indicate what components of the overall project will require further funding and what plans you have for acquiring either external or internal support. Estimate the costs and timing of subsequent phases in as specific terms as possible.

7. Travel

If your project is such that you need to conduct research outside of the Ann Arbor area, provide details of where the study will be conducted and how this will benefit your research. Indicate whether you will have access to the resources essential for carrying out the project.

C. Special Phoenix Criteria

1. Relevance of Study to Purposes of the Phoenix Project

As noted in the information materials, priority will be given to projects in which the applicant demonstrates a direct relevance of the research to the mission of the Phoenix Project. Therefore, please carefully specify relationship to peaceful applications or the social implications of nuclear energy, science, and technology.

2. Justification of Pressing Need for Additional Phoenix Funds (Where Applicable)

If substantial outside support is held by the applicant or if significant Phoenix support has been awarded previously, provide a statement of the pressing need which would justify additional Phoenix funds.

D. Fraction of the Applicant's Own Effort to be Devoted to This Research (in percentage)

E. Research Assistance

If a research assistant will be employed, indicate if the employee will be a graduate student and if this work will be part of that student's thesis. If so, list the student's name, degree sought, department, and thesis title.

F. Clarification of Other Budget Items

Please categorize any items to be acquired on this grant not identified elsewhere.

XI. Financial Support

A. Current Research Grants

Give source, title, amount, and period.

B. Other Support Available for a Portion of This Study or a Related Study

Give source, title, amount, and period.

C. Pending Applications for Support of This Project

Give source, title, amount, and period. Please state whether support by one of these sources of this or a related project would take the place of funds requested from the Phoenix Project.

D. Other Pending Grant Applications

Give source, title, amount, and period. This should include any pending applications to any other organization, including all University funding sources, for grant or fellowship funds.

XII. Curriculum Vitae (not included in 6 page limit)

This should be an up-to-date curriculum vitae, which includes a complete list of publications and not limited to those publications relevant to this application.