ACADEMIC SENATE - COMMITTEE ON RESEARCH
INDIVIDUAL INVESTIGATOR RESEARCH GRANT APPLICATION

Application Deadline:

Friday, September 26, 2003 (Fall Funding Cycle)
Friday, April 23, 2004 (Spring Funding Cycle)
MUE-253, Box 0764

Applicants will be informed of the outcome of their application approximately six weeks after deadline date.

Award range: Up to $35,000

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Funding is based on priority scores and other factors and on the availability of funds in specialty areas.

View Application Individual Investigator Research Grant Application
The Committee on Research (COR) invites applications for funds for research by new investigators and established investigators for 1. start-up funds; 2. short-term lapse of funding; 3. new direction or 4. re-entry. In all cases it is expected that work supported by COR funds will lead the applicant to outside funding. As a result, successful applications are usually well focused and present a clear pathway from the applicant's present state to the acquisition of outside funding. The applicant should outline how the specific preliminary results to be obtained will be used to support a subsequent application for outside funding. Description of specific experiments that will actually be performed or data to be collected is preferable to an exhaustive list of possible experiments or potential areas of data collection. Applicants are encouraged to begin writing their proposals early and to obtain advice from established investigators in their area of interest or to seek assistance from the Committee on Research and the Academic Senate Staff.

Please note: Grant applications received by the Academic Senate Office one month prior to the published deadline for submission are eligible for an optional “pre-review”. If requested, Academic Senate staff will check to determine if the grant meets administrative eligibility requirements (i.e. complete accurate budget, required documents etc.). Academic Senate staff will not review the scientific merit of any grant. If a grant has been submitted within the timelines established for a pre-review, and if administrative deficiencies are discovered that would prevent your grant from being forwarded to the Committee on Research for consideration, applications will be returned to Principal Investigators for modification. Modified applications must be re-submitted on or before the published deadline.

ELIGIBILITY

Who's Eligible: Individuals with PI status are eligible. University policy confers PI status on faculty who are salaried at 50% or more of full time in the ladder-rank, in-residence, clinical X, adjunct, clinical or research series, and to appointees in the librarian series. PIs on sabbatical can apply for supplies and equipment. Preference will be given to new investigators.

Who's Not Eligible: Faculty without a salaried University appointment, visiting professors, specialists, residents, fellows, post-docs, graduate students, undergraduate students and staff employees. The Committee will not fund curricular or administrative studies or research conducted by graduate students relative to ongoing studies and dissertations, and will not subsidize extramural and intramural budget reductions.

HOW TO APPLY

An original and twenty-five copies of the application must be typed, single-spaced, double-sided and stapled. The type must not be smaller than 12 characters per inch. An application should be prepared with the same care given to outside agencies and should be written in terms that can be understood by Committee on Research members working
in diverse fields of biomedical and other sciences, whose areas of specialization may not coincide with that of the planned work. Verbatim submissions of NIH grants will not be accepted.

The Academic Senate cover page must be used and can be downloaded by clicking here. The cover page may be typed or completed by hand. Nothing should precede the application cover page.

Supporting documents (transmittal letter from applicant, letters from department chairs and collaborators) must be included with the application and filed in the Appendix. School of Medicine faculty may concurrently apply to the Research Evaluation and Allocation Committee (REAC) for research grants awarded by the Dean of the School of Medicine. If a grant is submitted to both REAC and to the Committee on Research, you must provide the Committee on Research with four copies of the REAC grant, including the budget. Applicants who apply to both the Committee on Research and REAC are encouraged to apply for funding in different categories for the same project in order to avoid potential reductions of funding should both REAC and the COR approve funding for a project with identical budgets.

Applications will be returned if information is insufficient to conduct a satisfactory review.

**SELECT ONE FUNDING CATEGORY**

**Start-up Category:**

For junior faculty with four (4) years or less of service at UCSF who have achieved independent status and can show the need for funds to establish their own research. Investigators applying for first time support must acknowledge:

1. Any start-up or matching funds provided by their department or Dean, or
2. The lack of start up or matching funds.

New investigators, who are without their own lab, must include a letter (in the Appendix) from their Department Chair acknowledging whether:

1. The investigator is independent,
2. The investigator is solely responsible for the proposed project,
3. The investigator's work does not overlap with ongoing work of others in the lab;
4. That the project will not be transferred to a different department or institution without specific Committee on Research approval.

An investigator can receive start-up funds once; however, under exceptional circumstances and at the discretion of the Committee, a second request for funding may be considered. Any requests for continued support must include a summary of the
previously supported Committee on Research study and a clear justification for requested on-going support.

**Short-term Lapse Category:**

For investigators who are experiencing a temporary interruption in funding and can document their hardship. A short-term lapse of funding designation (particularly when pending applications are not listed) **must include a 5-year funding history for the PI, a copy of the pink sheets and rebuttal.**

**New Direction Category:**

For investigators at all levels. This category applies to investigators who wish to embark on a new and/or substantially different direction of research. It is the responsibility of the investigator to demonstrate that the proposed study is a **distinctly new direction of research.** For example, studies that are conceptually similar to those being performed in a different tissue or in a different animal model, with a different assay system, **or on a different population** in the investigator's current research program, would not constitute a new direction.

**Re-entry Category:**

For investigators who have pursued non-classical pathways and now wish to resume their research careers. Such pathways include investigators who have relocated with a spouse or partner, or those who have dedicated their primary effort to teaching or clinical practice rather than to research.

**FORMAT FOR MAKING APPLICATION**

1. **Cover Sheet:** Provide name, department, title, series, campus box and room location, phone, fax, and email of Principal Investigator. Identify the category/categories of funding for which you are applying. Provide the name of your project. Identify the total budget request for your project in upper right hand corner. (See cover sheet template).

2. **Table of Contents:** Provide a one-page table of contents for the application, immediately following the cover sheet.

3. **Funding Category Justification:** Provide a 100 to 300 word abstract.

4. **Aims:** Describe the project's scope, objectives, and rationale. Specific aims for most research proposals can be itemized. There are usually no more than 3 - 4 specific aims for an eight-month to a one-year study. **Not to exceed one page.**

5. **Background:** Describe the background to the present application and the appropriateness to the total scheme of the research. **Not to exceed one page.**

6. **Preliminary Studies:** Describe previous work accomplished by the PI and co-investigator(s) appropriate to the proposal. **Not to exceed one page.**
7. **Research Methods**: Describe the methods, information or techniques to be employed, the scientific basis for choice, data to be obtained, sample selection and control, data organization and analysis, management of biases, discrepant findings, errors of measurement and sample losses. Provide details of collaborative arrangements and include a letter from each collaborator in the Appendix. **Not to exceed two pages.**

8. **Significance of this Research**: Explain how the results of the proposed work will advance the knowledge in this specific field and lead to extramural support. **Not to exceed one page.**

9. **Human subjects/vertebrate animals**: If human subjects are involved, provide details of the group from which samples will be drawn and the sampling methods to be used. If animal subjects are used, identify the species, the approximate number to be used, a rationale for involving animals and the appropriateness of the species, and describe the proposed use of the animals. Patient or animal studies should be justified with a power calculation, if appropriate. **This section is limited to 1/2 page per description.** Approval from CHR and CAR must be obtained before funds can be released and within six months of notice of approval of funding.

10. **References**: For each cited reference (number sequentially starting with 1) include the name of the author, title of the article, name of the book or journal, volume number, page numbers, and year of publication. **Not to exceed one page.**

11. **Biographical Sketch**: Include a CV or biographical sketch for the principal investigator and each co-investigator. Limit bibliographies to publications pertinent to the application. **Limit each biographical sketch to four pages.**

12. **Other Research Support**: If you have no current and/or pending support, explain why. List current and pending research support (extramural and intramural), support source, identification number, project title, percent of time devoted to each project, role in project, term of project, notification date for pending applications, include notification date (e.g. receipt of Pink Sheet from NIH) and annual direct costs. Identify any budgetary or scientific overlap with the COR application and specify modifications to be made. List the "aims" from current or pending grants that overlap with this application.

13. **Budget**: Itemize expenses for personnel, supplies, equipment, research subject payments and travel. Only eligible expenses described below will be considered.

14. **Budget Justification**: Justify expenditures by category: Personnel, Supplies, Research Subject Payments, Equipment, and Travel. If applicable, describe how the budget compares with pending and/or current research support, and why funding was not subsumed by those sources. (See notes on following page explaining the four categories of budget justification).

15. **Letter to Adhere to Policy Relating to the Awarding and Management of Grant Funds**: click here.

16. **Appendix**: List Research Subjects and Environmental Protection Committee (RSEPC) applications and/or approval number(s), letters from department chair and
collaborator(s), and figures or drawings relative to the application. For the short-term lapse in funding category, include a copy of the pink sheets and rebuttal along with the investigator's 5 year funding history.

**Research Subjects and Environmental Protection Committees**

Any applications involving the following Committees will not be funded unless there is evidence of (pending) approval: Committee on Animal Research (CAR), Biosafety Committee (BSC), Chemical Safety Committee (CSC), Committee on Human Research (CHR), Radiation Safety Committee (RSC) and Radioactive Drug Research Committee (RDRC).

**BUDGET JUSTIFICATION – List of Eligible Budget Categories and Expenses**

*Please clearly itemize the proposed budget according to the following categories and provide all the required information for each category.*

**Personnel Category**
List the principal investigator, co-investigator(s) and other personnel and indicate the percent of effort for each (i.e. the percentage of daily working time to be spent by each investigator on the proposed project). Describe the specific function of each person on the budget justification page. The grant does not fund the salary of the principal investigator, co-investigator(s), consultants, Postdocs, or individuals who would be considered inappropriate under OMB A21.

**UCSF Fee Remission Policy:** Pertains to registered students appointed to research titles at 25% of the time or more for a full academic term. Copies of the Fee Remission Policy for Students with Research Appointments are available by telephoning 476-1558. If student remission fees are not budgeted by the investigator, the grant will be assessed to cover that charge. University regulations allow students to work no more than 50% time during the academic year and 100% time during the summer months. This policy does not apply to non-resident tuition fees.

**Supplies Category:** (Equipment costing less than $500 / $300) Itemize consumable supplies, animals, statistical services and analysis. Equipment and software items costing less than $300 should be listed in this category. Charges for the use of UCSF owned equipment will be closely reviewed and must be accompanied by a rate sheet; radiology, clinical labs and sequencing charges usually fall under this category. Allowed charges for UCSF clinical services ordinarily fall below the "list price" that UCSF bills to third party payers. Investigators should negotiate charges with relevant clinical services and departments when preparing this application. If animals are requested, provide unit and per diem costs.

**All supply and equipment expenses must be directly related to proposed research.**
**Research Subject Payments:** A copy of the UCSF Research Subject Payment Summary is included with each CHR application packet if reimbursement is indicated on the Committee on Human Research (CHR) Cover Page. The guidelines for research subject payments apply when 1) a research protocol involving research subjects has been reviewed and approved by the Committee on Human Research which includes issuance of a CHR Approval Number and 2) the research department has completed and submitted a Research Subject Payment Summary Form to Accounts Payable with a copy of the CHR Approval Letter and a CHR Cover Page. Payments to research subjects are tax reportable as income; therefore, the PI should not make out-of-pocket direct payments to subjects and then seek reimbursement from UC. Purchases associated with research subjects such as translation services must be procured through University processes, i.e., Purchase Order – your budget must include a line item of the amount anticipated to cover all expenses related to Research Subject payments.

**Equipment Category:** Equipment is defined as non-expendable personal property having a useful life of more than two years and costing $300 or more per unit. Title to or ownership of all University property or material is vested in the Regents of the University of California, a Corporation. Without exception, equipment purchased with COR funds remains the property of the Regents of the University of California and cannot be transferred from the University. The investigator should indicate that a thorough investigation of the University Surplus Pool (extension 2-3064) has been made and that the desired equipment is not available. If funded, the award can only be applied to the specified equipment. Please include the specific location where all equipment purchased with funds from the Academic Senate will reside. On the budget justification page, explain the need for the equipment, provide manufacturer's price quotes for each piece of equipment and list alternate funding sources should the Committee offer partial funding. The Committee will not provide funds for a personal computer if its sole use is for the preparation of a manuscript.

**Manufacturer's Price Quote:** Installation costs and maintenance contracts will not be funded and should be listed separately in the quote. An application without a manufacturer's price quotes for each piece of equipment over $300 will be rejected. Please make sure that you include any tax and shipping charges related to equipment purchases in your quote and budget total.

**Travel Category:** Funds for transportation are available to conduct field research and the purpose of gathering data and research materials. These funds are intended for transportation costs exclusively and under no circumstance can they be used for subsistence (including hotels, registration fees etc.).
Please read carefully
POLICY RELATING TO THE AWARDING AND MANAGEMENT OF
GRANT FUNDS

The Academic Senate requires Principal Investigators and their Department Chairs to provide the Academic Senate with a letter which states agreement to adhere to the requirements of the Grant Award. This letter must include a Department Fund/Account to be used by the Academic Senate in the event an overage above and beyond the total Grant Award appears in the Senate Fund/Account assigned to the Principal Investigator. Please include this letter with your original application. Only one copy is required.

Before Submitting, please ensure that you have included the following:

- Page Numbers for each page submitted
- Cover Page
- Table of Contents
- Funding Category Justification
- Aims
- Background
- Preliminary Studies
- Research Methods
- Significance of Research
- Human Subjects/Vertebrate Animals
- References
- Biographical Sketches
- Other Research Support
- Budget
- Budget Justification
- Letter of Agreement to Adhere to Policy Relating to the Award and Management of Grant Funds
Appendix

- RSEPC Approvals
- Research Subject Payment documentation
- Letters from department chairs, collaborators
- Manufacturers price quote(s) for all equipment
- Identification of location for all equipment (address/Room #)
- Figures or drawings
- For short-term lapse category, provide a copy of pink sheets and rebuttal with investigator's five (5) year funding history.
- REAC applications if applicable