

Program Information

To receive program descriptions and application forms for funding opportunities, please contact Beverly Page, Information Specialist, Research and Sponsored Programs, phone: (785)532-5045, e-mail: bbpage@ksu.edu

GENERAL

41-1 Summer Research Experiences for Undergraduates (NIH)

This RFA seeks to encourage cross-training of undergraduate students by providing opportunities for those in the quantitative and physical sciences to take part in mentored biomedical research experiences with NIH-supported investigators. Such programs should provide innovative, mentored, realistic summer laboratory research experiences for an appropriate targeted (as defined by the applicant) group of undergraduate students in biomedical research projects at the institution. The application should include strong faculty involvement, interactive group activities, presentations and seminars. Applications should describe an eight- to ten-week summer research program, targeting a pool of no less than five and no more than ten undergraduate students with quantitative backgrounds to work with NIH extramurally funded PI's. RFA-GM-02-002 (NIHG 08/31/01)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-02-002.html>

Deadline: Letters of Intent 1/15/2002;
Applications 2/15/2002

41-2 Research Supplements For Individuals With Disabilities (NIH)

The President's Task Force on Women, Minorities, and the Handicapped in Science and Technology has documented a very low participation for Americans with disabilities in the science and engineering work force. To address this problem, the National Institutes of Health has developed an initiative that is designed to extend opportunities to individuals with qualifying disabilities who are capable of entering or resuming research careers. Under this initiative the NIH will offer administrative supplements to existing grants for the support and recruitment of scientists and students with disabilities into research careers. In addition, this program will provide support to accommodate the disabilities of established investigators who become disabled. PA-01-080 (NIHG 04/13/01)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-01-080.html>

Deadline: Open

41-3 Biocomplexity in the Environment for: Integrated Research and Education in Environmental Systems (NSF)

This special competition promotes comprehensive, integrated investigation of environmental systems using advanced scientific and engineering methods. The concept of biocomplexity stresses the richness of biological systems and their capacity for adaptation and self-organizing behavior. By placing biocomplexity studies in an environmental context, this competition emphasizes research with the following characteristics: a) a high degree of interdisciplinarity; b) a focus on complex environmental systems that include interactions of non-human biota or humans; and c) a focus on systems with high potential for exhibiting nonlinear behavior. In this third year of a multi-year effort, five topical areas will be emphasized: 1) Dynamics of Coupled Natural and Human Systems (CNH); 2) Coupled Biochemical Cycles (CBC); 3) Genome-Enabled Environmental Science and Engineering (GEN-EN); 4) Instrumentation Development for Environmental Activities (IDEA); 5) Materials Use: Science, Engineering, & Society (MUSES).

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02010>

Deadline: CNH and IDEA 1/24/2002;
CBS and GEN-EN 2/20/2002; MUSES 3/14/2002

41-4 Major Research Instrumentation Program (NSF)

The Major Research Instrumentation (MRI) Program encourages the development and acquisition of research instrumentation for shared use across academic departments, among research institutions, and in concert with private sector partners. The MRI program assists in the acquisition or development of major research instrumentation by U.S. institutions that is, in general, too costly for support through other NSF programs. The maintenance and technical support associated with these instruments is also supported. Proposals may be for a single instrument, a large system of instruments, or multiple instruments that share a common or specific research focus. An institution may submit up to three proposals to the MRI program, with only two proposals for instrument acquisition. If an institute submits three proposals, at least one of the three proposals submitted must be for instrument development. Contact Ted Knous, Associate Vice Provost for Research, 785-532-5045, tknous@ksu.edu, by November 30, if you are interested in applying. NSF-01-171

URL: <http://www.nsf.gov/cgi-bin/getpubs?nsf01171>

Deadline: 1/24/2002

41-5 Collaborative Research in Computational Neurosciences (NSF)

The computational research that will be supported under this initiative must impact on, and relate to biological processes, and optimally provide hypotheses testable in biological studies. It is expected that: 1) applications will include collaborations between computational and/or modeling experts, and neuroscientists; 2) the collaboration will involve a dynamic and, possibly, a protracted period of model development and refinement, and intense interaction between computational and theoretical modelers and experimentalists; 3) there will be a need for continued and sustained interaction as new experimentally based information becomes available, and as models begin to shape future experimentation; and 4) the development and testing of new models will provide a framework for the design of experiments and the generation of new hypotheses that can help to reveal functional mechanisms underlying both normal and diseased states of the nervous system. NSF 02-018

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02018>

Deadline: Letters of Intent 12/14/2001;
Proposals 2/4/2002

ARTS & HUMANITIES

41-6 Winterthur Fellowships (Winterthur)

Winterthur is a center for the interdisciplinary study of America's artistic, cultural, social and intellectual history. Winterthur has long supported research on pre-industrial crafts, Shaker history, furniture, textiles, ceramics and glass, metal ware, painting and graphics. In recent years, it has become a center for the study of consumerism, foodways, the history of childhood, women's culture, and the history of everyday life. The collections will support a broad range of inquiry including topics in art conservation, business history, family history, the history of travel and tourism, the history of laboring, middle and upper classes, and the uses of popular memory and the representation of the past.

URL: <http://www.winterthur.org>

Deadline: 1/15/2002

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

41-7 Environmental Molecular Science Institutes (NSF)

The Environmental Molecular Science Institute (EMSI) program is aimed at increasing fundamental understanding of natural processes resulting from human activities in the environment at the molecular level. This solicitation focuses on

basic research on fundamental issues that underpin our understanding of the relationship of molecular scale phenomena in chemistry and geochemistry, and on the prevention and amelioration of environmental problems caused by social activities that are energy- and pollution-intensive. Projects are expected to advance the disciplines of chemistry, including actinide chemistry, and/or the geosciences. They should also focus on increasing our understanding of environmental systems, and serve as models for excellence in collaborative interdisciplinary research, and contribute ultimately to the development of beneficial technologies and processes. Specifically, this competition will support Environmental Molecular Science Institutes (EMSI). NSF 02-015

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf02015>

Deadline: Letters of Intent 12/14/2001, Proposals 2/21/2002

41-8 Supporting Science and Enabling Technologies for Clean Fuels (DOE)

It is the intent of the National Energy Technology Laboratory (NETL), on behalf of the DOE's Office of Fossil Energy (FE), to solicit the submission of cost-shared applications for research and development that will lead to advanced clean fuels that: are derived from a diverse mix (coal, petroleum, natural gas) of secure energy resources; enable mobile (ground, air, and marine) and stationary systems to comply with increasingly stringent Federal, state, and local emissions standards; are compatible with the existing liquid and future transportation fuels infrastructures; satisfy commercial and military requirements; enable the efficiency of the transportation fleet to be more than doubled; and, are cost competitive with conventional and other alternative fuels. DE-PS26-01NT41114

URL: <http://sbir.er.doe.gov/sbir/Solicitations/FY%202001/CONTENTS.htm>

Deadline: 1/15/2002

41-9 Instrumentation for Materials Research (NSF)

The Instrumentation for Materials Research (IMR) Program supports the acquisition or development of research instruments that will provide new capability and/or advance current capability to: 1) discover fundamental phenomena in materials; 2) synthesize, process, and/or characterize the composition, structure, properties, and performance of materials; and 3) improve the quality, expand the scope, and foster and enable the integration of research and education in research-intensive environments. NSF-02-009

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf02009>

Deadline: 1/25/2002

41-10 Department of Energy Small Business Innovation Research (SBIR/

STTR) Program (DOE)

The Department of Energy has announced funding for the Small Business Innovation Research (SBIR) and Technology Transfer (STTR) Programs. Small businesses with strong research capabilities in science or engineering in any of the topic areas of interest to the Department of Energy are encouraged to submit applications. Applications may be submitted to both programs at once. Last year the chance of receiving an award was greater for those proposals in which there was substantial collaboration between a small business and a research institution and for those applications submitted to both programs.

URL: <http://sbir.er.doe.gov/sbir>

Deadline: 1/15/2002

HEALTH & LIFE SCIENCES

41-11 High Risk Arthritis and Musculoskeletal and Skin Diseases Research (NIH)

The purpose of this initiative is to broaden the base of inquiry in fundamental biomedical, bio-behavioral technology research by encouraging applications for research projects that involve an especially high degree of innovation and novelty and, therefore, require a preliminary test of feasibility. The research projects proposed under this Request for Applications (RFA) may involve substantial experimental risks such that their potential for highly significant outcomes may be difficult to judge by the standard criteria used in evaluating investigator initiated (R01) proposals. Established investigators in arthritis or musculoskeletal or skin disease are encouraged to present a proposal for testing the feasibility of a novel idea, resource or technology. The project should represent a clear and distinct departure from the investigator's ongoing research. Second, established investigators with no previous work in arthritis or musculoskeletal or skin diseases are encouraged to apply their expertise to research that is relevant to arthritis or musculoskeletal or skin diseases. AR-01-008 (NIHG 11/09/01)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-01-008.html>

Deadline: Letters of Intent 1/15/2002; Applications 2/14/2002

41-12 Novel Biomarkers of Chronic Obstructive Pulmonary Disease (COPD) (NIH)

The National Heart, Lung, and Blood Institute (NHLBI) invites applications for research grants to identify novel biomarkers of Chronic Obstructive Pulmonary Disease (COPD). COPD is a complex group of conditions associated with progressive airway obstruction for which no disease-modifying therapy is currently known. The purpose of this Request for Applications is to promote the identification and characterization of biomarkers that might eventually be useful for studies of COPD pathogenesis, for diagnosis, for therapeutic stratification of patients, or

for testing of potential drug treatments. RFA-HL-02-005 (NIHG 07/27/01)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-02-005.html>

Deadline: Letters of Intent 1/25/2002; Applications 2/26/2002

41-13 American Heart Association and Heartland Affiliate Grants (AHA, KS)

The American Heart Association and its Affiliates support research activities broadly related to cardiovascular function and diseases, stroke, or to related basic science, clinical, bioengineering/biotechnology and public health problems.

Awards include: Predoctoral Fellowships, Postdoctoral Fellowships; Beginning Grant-in-Aid for beginning scientists, and Grant-in-Aid for innovative and meritorious research projects from independent investigators. Deadlines are the same for the Affiliates program and the national program. Applicants may apply to both the national and the affiliates programs during the same cycle.

URL: <http://www.americanheart.org/research>

Deadline: 1/22/2002

SOCIAL SCIENCES

41-14 Design, Measurement, and Statistical Analysis in Mental Health Research (NIH)

The purpose of this program announcement is to encourage research grant applications for work on the design, measurement, and statistical challenges inherent in conducting mental health services research. The goal of this initiative is to build the methodological infrastructure of mental health services research by encouraging statisticians, psychometricians, qualitative researchers, and other experts in research methodology and data analysis to focus on these challenges. PA-01-018 (NIHG 11/15/00)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-01-018.html>

Deadline: 2/1/2002, 6/1/2002, 10/1/2002

R.W. Trewyn, Vice Provost for Research & Dean of the Graduate School

Ted Knous, Associate Vice Provost, Tech Transfer and Research

Yvonne Bachura, Secretary

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