

# TCOM

## research notes

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## IMPORTANT NOTICES

### TCOM FACULTY RESEARCH GRANTS

Applications are being accepted for TCOM Faculty Research Grants for the 1990-91 academic year from all new faculty hired after June 1, 1990. Application forms, eligibility requirements, and priority considerations can be obtained from the Research Office, Med Ed 1, Room 858. **The deadline for submission of grant applications is by 5:00 pm October 15, 1990 in the Research Office, Room 858.**

### AMERICAN OSTEOPATHIC ASSOCIATION RESEARCH GRANTS

The newly revised AOA research grant application forms and guidelines are available in the "1990 Osteopathic Research Handbook". Applicants for research grants must use the current "Handbook" which is available from the TCOM Research Office. **Deadline -- Submission of grant applications must have a postmark before midnight, December 1, 1990.**

### TCOM GRANT PROPOSAL PEER REVIEW GROUP

Faculty interested in serving as part of an in-house peer review group to read and review grant research proposals should contact the Research Office for more details and to fill out a statement of interest. This pool of reviewers would provide feedback to the principal investigator to improve overall proposal quality and help increase chances for funding.

### EXTERNAL APPLICATIONS FUNDED

Update to August 31, 1990

**Rafael Alvarez-Gonzalez, Ph.D.** (Microbiology/Immunology)

"Characterization of Mono (ADP-ribosyl)ated Poly (ADP-ribose) Polymerase" The Samuel Roberts Noble Foundation, 04/15/90 - 08/31/91 \$15,000.

**Paul Cook, Ph.D.** (Microbiology/Immunology) "Determination of the Chemical Mechanism of O-Acetylserine Sulphydrylase" North Atlantic Treaty Organization, 08/01/90 - 07/31/92 \$5,452.

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## **FIRST FUNDING OPPORTUNITIES FOR FACULTY**

Independent investigators may find it increasingly difficult to win grant funds to support their research efforts early in their careers. This is partly true because of the increased competition for limited funds that is lowering the overall success rates for grant applications. It is also due in part to lack of a track record of publications and credibility as an independent investigator when competing against established investigators well along in their scientific careers. Funding opportunities set aside for investigators early in their careers create a restricted pool of applicants that represent a peer group where creativity, productivity and future promise can be fairly assessed. Small grant programs are often designed to assist faculty early in their careers in gathering pilot research data to be used to support future lines of research. These funding opportunities should be considered when trying to win that first grant to support your research ideas and laboratory research group.

## **AMERICAN OSTEOPATHIC ASSOCIATION PILOT STUDY GRANTS**

These grants are for developing models, methods, or techniques, or for evaluating problems and values of proposed research projects. Pilot studies may be funded for a maximum of two years. Budgets should be developed to be consistent with the range of past grant awards which usually are under \$18,000. For more information please consult the "Osteopathic Research Handbook" available from the Research Office. **DEADLINE: Postmark by December 1, 1990.**

## **BURROUGHS WELLCOME OSTEOPATHIC RESEARCH FELLOWSHIP**

This fellowship is "seed money" to enable the applicant to conduct a basic science or clinical research project that will make a significant contribution to osteopathic medicine.

**DEADLINE: Postmark by January 2, 1991**

## **THE FIRST INDEPENDENT RESEARCH SUPPORT AND TRANSITION AWARD (FIRST) NATIONAL INSTITUTES OF HEALTH**

The objective of the FIRST award is to provide a sufficient period of research support for newly independent biomedical investigators to initiate their own research and demonstrate the merit of their own research ideas. These grants are intended to underwrite the first independent investigative efforts of an individual; to provide reasonable opportunity to demonstrate creativity, productivity, and further promise; and to help in the transition to traditional types of NIH research project grants. FIRST awards generally provide funds for five years during which time the newly independent investigator can establish his or her own research program and make significant and innovative contributions to laboratory or clinical science disciplines in biomedical research. To be eligible for a FIRST award, the principal investigator (PI) must have no more than five years research experience since completing postdoctoral research training or its equivalent. The applicant must never have been designated previously as PI on any PHS-supported research project other than a PHS-Small Grant (R-03), an Academic Research Enhancement Award (R-15) or certain research career awards (K-series) directed principally to physicians, dentists or veterinarians with little research experience. Some general features should be considered when making application for

the FIRST award. First award applications must request five years of research support. The PI must make a commitment of no less than 50% effort to the proposed project. The total direct cost award for the 5-year period may not exceed \$350,000. The direct cost award in any budget period should not exceed \$100,000. **APPLICATION RECEIPT DATES- FEBRUARY 1, JUNE 1.**

### **NIH SMALL GRANT PROGRAM (RO3)**

This program announcement contains a number of small grant programs in eight different Institutes and the Division of Research Resources. Each small grant is outlined under topical headings: Purpose of the Award, Eligible Applicants, Application and Review Procedure, Review Criteria, Funding Criteria, Terms of the Award, Staff Contact. Copies of this program announcement are available from the Research Office.

### **BIOMEDICAL RESEARCH TECHNOLOGY RESOURCE GRANTS**

This small grant program supports research and development in the application of high technology in biological systems. Such research and development may involve existing instruments and equipment, their modification, or development of new instruments and equipment. It may involve methods to prepare samples and specimens for analysis with the instrument involved. The conceptualization, design, fabrication, and testing leads to more powerful and more precise research capability that is employed by the biomedical scientist either directly, or through technical experts, or in collaboration with scientists in the field of the technology involved. **Receipt of Applications Date: February 1, June 1.**

### **SMALL GRANTS PROGRAM IN LABORATORY ANIMAL SCIENCES**

This grant program will support pilot projects that focus on the etiology, detection or prevention of laboratory animal disease; methods to decrease pain and stress associated with the use of animals in research; and optimal housing requirements. **Application Receipt Date: February 1.**

### **SMALL GRANTS PROGRAM FOR RESEARCH ON INHERITED METABOLIC DISEASES - National Institute of Diabetes and Digestive and Kidney Diseases**

The research areas of interest include studies of the molecular and cellular mechanisms responsible for abnormal metabolism, including the identification of the biochemical defect, its genetic origin and potential methods for its correction; development of more efficient and rapid approaches to chromosomal localization of genes associated with inherited metabolic diseases; development of techniques for homologous recombination between an incoming gene and its counterpart in the mammalian host genome. Diseases of interest include: cystic fibrosis, organic and aminoacidurias, disorders of purine and pyrimidine metabolism, storage diseases involving glycogen, mucopolysaccharide, and lipids. **Application Receipt Deadline: January 2, 1991.**



### **SMALL GRANTS TO FACILITATE USE OF NEW TECHNIQUES BY RESEARCHERS IN DIABETES, ENDOCRINOLOGY AND METABOLISM**

Examples of new techniques include: gene mapping and/or sequencing; production of transgenic cell lines and organisms including vector construction, transfection and infection; hybridoma production; identification of gene products; cell sorting; signal transduction; peptide/protein crystallographic analysis; peptide/protein modeling and molecular dynamics simulations; 2D-nuclear magnetic resonance of peptides/proteins; in vitro and in vivo magnetic resonance spectroscopy or magnetic resonance imaging. **Application Receipt Deadline: February 1, June 1.**

### **NATIONAL HEART, LUNG AND BLOOD INSTITUTE - SMALL GRANTS PROGRAM**

This grant program is intended to provide limited support for meritorious research projects that support extended analyses of research data generated by clinical trial, population research, and demonstration and education studies. **Application Receipt Deadline: February 1, June 1.**

### **ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION**

The ADAMHA Small Grant Program accepts applications that fall within the program interests of the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA). Each institute makes awards for small grants relevant to its mission. This award provides research support of up to \$50,000 per year for up to 2 years (direct costs). This award is not renewable. This funding is principally intended for (1) newer, less experienced investigators; (2) investigators at institutions without a well-developed research tradition and resources; (3) more experienced investigators for exploratory studies which represent a significant change in research direction for them; (4) more experienced investigators for testing new methods or techniques. Small grant applications should be submitted 6 months in advance of the desired starting date. **Applications must be submitted for the regular receipt dates for research grant applications: February 1, June 1.**

### **AMERICAN CANCER SOCIETY RESEARCH GRANTS**

Faculty Research Awards - To provide salaries for scientists qualified to pursue careers in cancer teaching and research. Not intended for support of scientists substantially advanced in their careers. Application is made jointly by institution and nominee. Applicant may request stipend support up to \$35,000 (first year); \$37,000 (second year); \$49,000 (third year); \$41,000 (fourth years); \$43,000 (fifth year). **Deadline for submission March 1.** For more information please contact: American Cancer Society, Inc., 1599 Clifton Road, NE, Atlanta, Georgia 30329, Telephone (404) 329-7558.

### **NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH**

This small grant program is designed to provide support to carry out exploratory or pilot studies, to develop or test new techniques or methods, or to analyze previously collected data.

These grants are intended for graduate students, post-doctoral research, and junior faculty members. The total award may comprise direct costs of up to \$15,000 per year and may be made for up to two years. Contact: Grant Program Office, NIOSH/Centers for Disease Control, Building 1, Room 3053, MS-D30, Atlanta, GA 30333. Tel: (404) 639-3343  
**DEADLINE: NOVEMBER 1, 1990**

### **AMERICAN LUNG ASSOCIATION**

Grants for laboratory, clinical, epidemiological, social or other areas of investigation, but must be relevant to lung disease. The awards are considered postdoctoral "seed money" for the support of new, not already established investigators holding doctoral degrees. Awards are targeted for individuals who have completed at least two years of research training and who are at the instructor or assistant professor level. Awards are for a maximum of \$17,500 and may be renewed for an additional year. Contact: ALA Medical Affairs Division, 1740 Broadway, New York, NY 10019-4374. **DEADLINE: November 1, 1990.**

### **ARTHRITIS FOUNDATION**

The purpose of this New Investigator Program is to encourage health professionals to design and carry out innovative research projects related to the study of rheumatic diseases. Suitable projects must be in an area of arthritis management and/or comprehensive patient care. Applications from new investigators are encouraged, when supported by a competent supervisor. Research grants up to \$15,000 for one or two years and may be renewed for a third year on a competitive bases. Contact: Research Administration, Arthritis Foundation, 1314 Spring Street, N.E., Atlanta, GA 30309, Tel: (404) 872-7100. **DEADLINE: November 1, 1990.**

### **TIPS ON HOW THE NIH GRANT SYSTEM WORKS**

A recent article entitled "Anatomy of the NIH Grant System or How to Play the Game" published in *The Journal of NIH Research*, August 1990 Vol. 2: 59-68 by Donna Dean, Chief of Biological Science Review Section of the Division of Research Grants. This article has good advice on how to prepare a winning grant proposal to NIH. Persons interested in a copy of this article please call the Research Office at Ext. 2561.

### **FUNDING OPPORTUNITIES**

**THE THRASHER RESEARCH FUND** Child Health Grants. Emphasis is placed on pediatric infectious disease and nutrition projects. Note: Telephone consultation is recommended prior to prospectus development and submission. Contact: Robert M. Brien, Ed.D., Assoc. Dir., The Thrasher Research Fund, 50 East North Temple Street, 7th Fl., Salt Lake City, UT 84150, (801) 531-3386. **DEADLINE: November 1, 1990.**

## **PEDIATRIC SCHOLAR AWARD PROGRAM**

The Pediatric AIDS Foundation and the American Foundation for AIDS Research will support a special two-year scholar award for non-tenured pediatric researchers with two to three years post-doctoral experience. There are 21 research areas listed that represent critical research areas targeted for support. This information is available from the Research Office.

**DEADLINE: October 30, 1990.**

## **NATO - RESEARCH FELLOWSHIPS**

**Basic Fellowships:** awarded to individuals who have a first university degree and who wish to further their education by following a higher degree course;

**Advanced Fellowships:** awarded to scientists who have a Ph.D. (or equivalent) and/or sufficient research experience to enable them to conduct independent research and who wish to carry out research in foreign institutions;

**Senior Fellowships:** awarded to senior scientists of high professional standing who wish to lecture and/or carry out research in foreign institutions;

**Senior Guest Fellowships:** awarded to senior scientists who wish to lecture or carry out research in foreign institutions. Contact: Dr. Terence L. Porter, Director, Division of Research Career Development, Directorate for Science and Engineering Education -- NSF, 1800 G. St. NW, Washington, D.C. 20550. **DEADLINE: November 3, 1990.**

## **SCHOLAR AWARD IN EXPERIMENTAL THERAPEUTICS**

The Burroughs Wellcome Fund is initiating a new \$300,000 award in Experimental Therapeutics. Application should be made by the Dean and/or Department Chair sponsoring an eligible candidate. Additional information is available from the Research Office.

**DEADLINE: November 15, 1990.**

## **SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY**

**"Grants-in-Aid of Research"** Research grants up to a maximum of \$1,000 are offered to graduate students to support scientific investigation in any field. **Future Deadlines:**

**November 1, February 1, May 1.** Contact: Mary M. Nijhout, Ph.D., Chairperson, Committee on Grants-in-Aid of Research, P.O. Box 13975, Research Triangle Park, NC 27709.