

# Research Notes

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## Texas Institute for Research and Education on Aging Established

**O**n September 1, 1991, the Texas College of Osteopathic Medicine and the University of North Texas established the Texas Institute for Research and Education on Aging.

The Institute is governed by an Executive Committee and the Director, who reports to Dean Benjamin Cohen, TCOM and Provost Blaine Brownell, UNT. The Institute will work to link together faculty from various disciplines and departments on the TCOM and UNT campuses to create significant research, educational and service programs in aging.

The Institute's mission is to launch innovative, nationally and internationally significant research projects, educational programs, and service models that promote the well-being of older persons. The key strategy in carrying out this mission is both **interdisciplinary and intercampus project development**.

The goals are: to expand interdisciplinary research in aging; to initiate interdisciplinary educational programs in aging; to integrate research and education into clinical services.

### **Support for Pilot Projects:**

Research funds will be available from

the institute for projects that have a good chance of securing extramural support.

**Clinical, basic, applied, and policy research projects that involve an interdisciplinary effort are encouraged and will be given a higher priority.**

**The first round of grant proposal submissions must be received by November 1, 1991 with awards made by November 29, 1991.**

**Currently, \$52,000 is available to support this initiative.**

Institute staff will assist TCOM faculty to develop interdisciplinary and intercampus research, educational and service projects.

Additional information and the **Announcement and Request for Proposal** is available in the TCOM Research Office or call Stan Ingman, Director, or Ann Reban, Research Associate, at 735-2053 at TCOM.

## American Osteopathic Association Grant Applications

**T**he Osteopathic Research Handbook (color coded peach) that contains instructions for grant and pilot study applications is available in the Research Office. Applicants for grants and awards are required to use a current Handbook.

The AOA Bureau of Research encourages investigators to discuss their proposed projects while in the planning stages with program officers. These conversations can be of help in eliminating areas of duplication or help in identifying general problems needing osteopathic research.

**For further information contact Konrad C. Retz, Ph.D., Assistant Director, Division of Research and Predoctoral Education, Department of Education, American Osteopathic Association, 142 East Ontario Street, Chicago, IL 60611-2864, or at (800)-621-1773; (312)-280-5864.**

**Applications for grant and pilot study projects must be postmarked before 11:59 P.M. on December 1, 1991. Since this falls on the weekend the deadline is extended to 11:59 the next day Monday, December 2.**



# — Funding Opportunities, Awards

## **GUTENSOHN/DENSLOW AWARD**

The purpose of this \$5,000 award is to recognize and reward a person who has made an outstanding contribution to the osteopathic profession in the areas of research and education.

**Nominations must be submitted in writing to the AOA Division of Research and Predoctoral Education and must be postmarked before 11:59 P.M. on March 16, 1992. Application materials are available from the Research Office.**

## **BURROUGHS WELLCOME OSTEOPATHIC RESEARCH FELLOWSHIP**

This \$5,000 fellowship is "seed" funding to encourage an osteopathic physician to contribute to research throughout his/her career in osteopathic medicine. Applicants for this fellowship must be: (a) A postdoctoral osteopathic medical student, possessing an earned D. O. degree awarded by an AOA-accredited institution, and be enrolled in an internship, residency, or research fellowship; or, (b) An undergraduate osteopathic medical student enrolled in an AOA-accredited institution. Preference will be given to applicants in category (A).

**Applications must be submitted to AOA and be postmarked before 11:59 P.M. on January 2, 1992. Application materials are available from the Research Office.**

## **NIH "OTHER SUPPORT" PAGE MUST BE FILLED OUT**

The National Institutes of Health has recently emphasized the requirement for complete, accurate, and reliable information for the "other support" page of the Public Health Service Grant Application Form PHS 398. The applicant is expected to list all, including both federal and non-federal, active support and pending and planned requests for support for research and research-related activities by all key personnel listed in the application. For

competing and noncompeting continuation applications, the OTHER SUPPORT PAGE must indicate (yes or no) whether program income is anticipated during the period(s) for which grant support is requested. If the answer is "yes," the amount and source(s) of such income (by budget period) also must be indicated. Incomplete, inaccurate, or ambiguous information about OTHER SUPPORT could lead to delays in the review of the application. Applicants should be cognizant that serious consequences could result if failure to provide complete and accurate information is construed as an attempt to mislead PHS agency advisory groups and staff in their review and award responsibilities.

## **GRANT PROPOSAL DECLINATIONS**

Principal Investigators often receive notification by letter, postcard, or telephone that their grant proposal is declined. Please forward a copy of the declination letter or contact the Research Office to provide the proper documentation to close out pending grant proposals. Consultation with Research Office staff may be helpful in the revision and resubmission of your proposal. **Another reminder: success rates go up significantly after grant proposals are revised in line with reviewer's comments.**

## **DEPARTMENT OF EDUCATION PUBLISHES FY 1992 GRANTS NOTICE**

The Department of Education published its annual Combined Application Notice (CAN) of virtually all FY 1992 competitive grant programs for research, demonstration, services and training, including the comprehensive school health education program and a variety of drug-free school prevention activities. CAN lists 177 programs ED will compete in fiscal 1992 and provides application information for 48 of them. It includes many health-related special education grant programs already announced in the Federal Register or to

be announced at a future date. ED funding for fiscal 1992 isn't set yet, but the department predicts it will award \$1.7 billion for about 9,400 new competitive grants and continuations, including about \$633 million for new awards. Copies of the September 18, 1991 Federal Register, Vol. 56, No. 181, pages 47270-47294 are available in the TCOM Research Office.

## **MAILING NSF GRANT PROPOSALS**

The National Science Foundation, in an effort to improve the handling of proposals, has requested that the publication number, announcement number, or solicitation number be included in the mailing address. For example: Proposal Processing Unit — Room 223, NSF 91-000 (proposal, solicitation, or announcement number) National Science Foundation, Washington, DC 20550.

## **FUNDING OPPORTUNITIES**

### **AMERICAN HEART ASSOCIATION, Texas Affiliate, Inc. Cardiovascular Research Program, Grants-in-Aid, 1992-1993.**

To support research in cardiovascular function and diseases, including stroke, or in related fundamental problems. Support is available for all basic disciplines, including physiology, biochemistry and pathology, as well as for epidemiological, clinical and behavioral studies as they apply to the prevention or treatment of cardiovascular disease.

Application packets are available from the Research Office.

Please read the Guidelines and Instructions carefully before completing the applications forms. Applications that are late or do not conform to the guidelines will be returned without review. Early submission of an application is desirable because clarification of details is possible at this time.

**DEADLINE: Must be postmarked by January 24, 1992.**



# Jobs and Grant News —

## **FUNDING OPPORTUNITIES FOR PRE AND POSTDOCTORAL STUDENTS**

Funding opportunities are listed for pre and postdoctoral study in a publication entitled **A Selected List of Fellowship Opportunities and Aids to Advanced Education for United States Citizens and Foreign Nationals** prepared by The National Science Foundation. For each funding source there is an address, title of program, purpose of program, citizenship requirements, graduate level (pre or postdoctoral), fields supported, other requirements, number of awards, duration of awards, application deadlines, and stipend amounts. This is one of the best single sources of funding information available to support undergraduate, graduate student and postdoctoral education. This publication is available from the Research Office or may be obtained free of charge from The Publications Office, National Science Foundation, 1800 G Street, N.W., Washington, D. C. 20550.

## **CLINICAL INVESTIGATOR DEVELOPMENT AWARD**

The CIDA Award is being sponsored by the National Heart, Lung, and Blood Institute, National Cancer Institute, and the National Institute of Neurological Disorders and Stroke. There are no restrictions on the number of investigators that may apply from TCOM. This award will encourage research-oriented physicians to develop independent research skills and gain experience in advanced methods and experimental approaches in the basic and applied sciences. For individuals with the D.O. degree, it is required that at least two years have elapsed since the granting of the doctoral degree at the time an award is made. The award is intended to serve research career development needs of clinically trained individuals by providing them with research opportunities appropriate for their scholastic background, previous

research experience, and past achievements. Physicians who have little research experience and need guided course work and supervised laboratory experiences are eligible to apply. All programs should be carefully tailored to meet individual needs and must include a sponsor(s) who is competent to provide appropriate research guidance. The award is granted for three to five years depending upon the needs of the candidate and the evaluation of the initial review group and council. A minimum of 80 percent effort must be devoted to the research program. The candidate must have a "full-time" appointment at the applicant institution.

**Applications (PHS 398) and supplemental instructions are available in the Research Office. Application receipt dates are October 1, February 1 and June 1.**

## **EXPLORATORY/DEVELOPMENTAL GRANTS (R21) FOR RESEARCH ON THE ETIOLOGY OF ALCOHOLISM**

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) objectives for this grant program are to : (1) conduct pilot studies leading to new programs or the enhancement or modification of existing research programs that can improve our understanding of the etiology of alcoholism; (2) improve the methodology for evaluating the vulnerability to alcoholism; and to (3) plan and conduct research that can lead to the development of new concepts for clinical treatment of alcoholism. In addition, NIAAA is interested in projects which focus on etiologic mechanisms of alcoholism which may be unique to special groups such as women, adolescents and youth, the elderly, and minority and ethnic populations. These awards provide up to \$70,000 in direct costs per year for up to two years.

**More program information is available in the Research Office. Application receipt dates for new proposals are October 1, February 1, and June 1.**

## **New Publications in the Research Office**

*1991/92 Graduate Student Researchers Program, including the Underrepresented Minority Focus Component*, National Aeronautics and Space Administration. During the next two years, NASA will select at least 230 new Graduate Student Researchers to receive stipends and to work at unique national laboratories. This publication describes the programs available, the NASA research areas, and administrative procedures, including the preparation and submission of grant proposals.

*National Laboratories and Research Public Corporations in Japan and (Part II)*, contains information that describes national laboratories and research public corporations which form the core of the Research and Development scene in Japan. The government of Japan wishes to promote research through initiatives such as the Act for Facilitating Governmental Research Exchange established in May, 1986 to support the employment of foreign researchers in government laboratories. The Ministry of Health and Welfare supports research institutes in the fields of population problems, hospital administration, public health, nutrition, mental health, neuroscience, leprosy, cancer, hygienic sciences, cardiovascular research, biosciences, and tuberculosis.

## **Recent Publications**

**Sundstrom, P.** 1991. Both Genes for EF-1 $\alpha$  in *Candida albicans* are translated. *Molecular Microbiology* 5: 1703-1706.



## RECENT TCOM AWARDS RECEIVED

**Richard Baldwin, D.O.**, (Department of General and Family Practice), "Establishment of Departments of Medicine," Department of Health and Human Services - Public Health Service, 09/01/91 - 08/31/92, \$178,212.

**James L. Caffrey, Ph.D.**, (Department of Physiology), "Opiate/Autonomic Interactions in the Circulatory System," National Institutes of Health - National Heart, Lung, and Blood Institute, 09/30/91 - 09/29/92, \$69,552.

**Paul F. Cook, Ph.D.**, (Department of Microbiology and Immunology), "Small Instrumentation Program," National Institutes of Health - National Heart, Lung, and Blood Institute, 09/01/91 - 08/31/92, \$16,472.

**Paul F. Cook, Ph.D.**, (Department of Microbiology and Immunology), "Determination of Kinetic and Chemical Mechanisms of Enzymes," National Institutes of Health - National Institute of General Medical Sciences, 09/01/91 - 08/31/92, \$127,589.

**Robert W. Gracy, Ph.D.**, (Department of Biochemistry and Molecular Biology), "Aging of Human Skin Phase II: In Vivo and in Vitro Studies of Chronological Versus Photo-Aging," Johnson & Johnson Consumer Products, Inc., 09/01/91 - 08/31/92, \$39,272.

**Janice A. Knebl, D.O.**, (Department of Medicine), "Improving Functional Ability in the Elderly by Osteopathic Manipulative Treatment," Bureau of Research - American Osteopathic Association, 09/01/91 - 08/31/92, \$12,960.

**Harbans Lal, Ph.D.**, (Department of Pharmacology), "Characterization of Ethanol Withdrawal," National Institutes of Health - National Institute on Alcohol Abuse and Alcoholism, 09/01/91 - 08/31/92, \$133,274.

**John C. Licciardone, D.O.**, (Department of Public Health and Preventive Medicine), "A Substance Abuse Prevention Program at TCOM," Department of Education - Fund for the Improvement of Postsecondary Education, 09/01/91 - 08/31/92, \$27,808.

**Frank J. Papa, D.O. and Jay H. Shores, Ph.D.**, (Department of Medical Education), "Expert Systems Based Clinical Tutorial Project," Department of Education - Fund for the Improvement of Postsecondary Education, \$87,463.

**Peter B. Raven, Ph.D.** (Department of Physiology) and **Craig G. Crandall, Graduate Student**, (Department of Physiology), "Effects of Detraining on Baroreflex Regulation of Blood Pressure," National Aeronautics and Space Administration, 09/01/91 - 08/31/92, \$22,000.

**Bernard R. Rubin, D.O.**, (Department of Medicine), "Treatment of Fibromyalgia with Osteopathic Manipulation and Self-learned Techniques," Bureau of Research - American Osteopathic Association, 09/01/91 - 08/31/92, \$15,176.

**Richard J. Sinclair, Ph.D.**, (Department of Physiology), "Health Careers Opportunity Program," Department of Health and Human Services - Division of Disadvantaged Assistance, 09/01/91 - 08/31/92, \$129,585.

**Total Funding Awarded: \$859,363**

## EXTERNAL GRANT PROPOSALS SUBMITTED

**William W. Barrow, Ph.D.**, (Department of Microbiology and Immunology), "Glycopeptidolipid Biosynthesis in *M. avium* Complex," National Institutes of Health - National Institute of Allergy and Infectious Diseases, \$438,904.

**William W. Barrow, Ph.D.**, (Department of Microbiology and Immunology), "Studies on AIDS-related Opportunistic Pathogen," National Institutes of Health - Fogarty International Center.

**Paul F. Cook, Ph.D.**, (Department of Microbiology and Immunology), "Mechanism of the  $B_5$  Enzyme O-Acetylserine Sulfhydrylase," National Science Foundation, \$846,866.

**Michael W. Emmett-Oglesby, Ph.D.**, (Department of Pharmacology), "Tolerance to Discriminative Stimulus Effects of Ethanol," Alcohol, Drug Abuse, and Mental Health Administration - National Institute on Alcohol Abuse and Alcoholism, \$471,631.

**Michael J. Forster, Ph.D.**, (Department of Pharmacology), "Longitudinal Course of Alcohol-induced Memory Impairment," Alcohol, Drug Abuse, and Mental Health Administration - National Institute on Alcohol Abuse and Alcoholism, \$453,023.

**Harbans Lal, Ph.D. and Michael J. Forster, Ph.D.**, (Department of Pharmacology), "Protection by GM1 Ganglioside Against Cognitive and Other Behavioral Deficits Induced by Prenatal Exposure to Ethanol," Fidia, Abano Teme, Italy, \$63,437.

**Robert R. Luedtke, Ph.D.**, (Department of Pharmacology), "Characterization of  $D_1$  Receptors," National Alliance for Research on Schizophrenia and Depression, \$60,000.

**Wayne L. Nicholson, Ph.D.**, (Department of Microbiology and Immunology), "Repair System for Novel UV Light-induced DNA Damage," American Cancer Society, \$90,500.

**Peter B. Raven, Ph.D.**, (Department of Physiology), "Arterial Baroreflex Control of Blood Pressure: Exercise," National Institutes of Health - National Heart, Lung, and Blood Institute, \$776,343.

**Peter B. Raven, Ph.D., and Craig Crandall, Graduate Student**, (Department of Physiology), "Baroreflex Control of Blood Pressure Following Detraining," American College of Sports Medicine, \$2,500.

**Peter B. Raven, Ph.D., and Jeffrey T. Potts, Graduate Student**, (Department of Physiology), "Aortic Baroreflex Control of Heart Rate During Exercise," American College of Sports Medicine Foundation, \$2,500.

**Total Funding Requested: \$3,205,704**

## POSTER AND PAPER PRESENTATIONS

**Michael W. Emmett-Oglesby, Ph.D.**, Department of Pharmacology, recently gave a paper entitled "Tolerance to Cocaine," at a meeting sponsored by the New York Academy of Science under the thematic title of "Neurobiology of Drugs of Abuse" held at Spokane, Washington.

Another presentation entitled "Effect of Ondanestron of the Stimulus Properties of Cocaine," was given at a meeting of the International Brain Research Organization, Montreal, Canada.

**Michael J. Forster, Ph.D.**, Department of Pharmacology, was a speaker at the Third Annual James R. Miller Conference on Brain Function and Learning presented by the Center for Research on Learning and Cognition at the University of North Texas. The topic of his presentation was "Pharmacological Modification of Learning and Memory."

**Harbans Lal, Ph.D.**, Department of Pharmacology, was a speaker at the International Conference on Neuroprotective Agents, at Rockland, Maine. His presentation was entitled "Gangliosides as Neuroprotective Agents Against Drug-Induced Neurotoxicity."

He was a speaker at the New York Academy of Science meeting held in Spokane, Washington. The title of his presentation was "Ondansetron (OND) Selectively Prevents 5-hydroxytryptamine (5HT) Related Behaviors Indicative of Anxiety During Benzodiazepine Withdrawal."

He also recently attended the NIH Study Section on Learning Disability to review NIH applications in Washington, D.C.

**Gary Wimbish, Ph.D.**, Department of Pharmacology, recently gave a presentation entitled "Forensic Toxicology/Drug Testing," before the Dallas County Criminal Bar Association.