

WAKE FOREST UNIVERSITY

SCHOOL of MEDICINE
THE BOWMAN GRAY CAMPUS
OFFICE OF RESEARCH

<http://www.wfubmc.edu/or>

ADMINISTRATION

JAMES E. SMITH, PH.D.,
ASSOCIATE DEAN FOR RESEARCH
DAVID P. FREIDMEN, PH.D.,
DEPUTY ASSOCIATE DEAN FOR RESEARCH
CHARLES E. MCCALL, M.D.,
DEPUTY ASSOCIATE DEAN FOR RESEARCH
MARCO PAHOR, M.D.,
DEPUTY ASSOCIATE DEAN FOR RESEARCH
PATTIE SMITH 60280
ANGELA HORTON 64548

INSTITUTIONAL REVIEW BOARD (IRB)

WESLEY BYERLY, PHARM.D., DIRECTOR
FRANKIE FLETCHER 67252
JEANNIE TULLOCK 64781
AMANDA SHARPE 64542
SARAH MABIE 64781

GRANTS ADMINISTRATION

SHEILA L. VRANA, PH.D.,
ASSISTANT DEAN FOR RESEARCH
DAVID LYONS, PH.D.,
RESEARCH ADMINISTRATOR
AMY COMER 64549
RYAN FAVREAU 35306
ANGELA HORTON 62382

INTRAMURAL RESEARCH SUPPORT COMMITTEE (IRSC)

NANCY MURRAY 62382

ANIMAL CARE AND USE COMMITTEE (ACUC)

BEVERLY GREENWOOD 63407

INDUSTRY RELATIONS

JEAN BRANNOCK, INTERIM DIRECTOR
TERESA BUJE 62846

OFFICE OF CLINICAL TRIALS RESEARCH

JOHN F. BUTTERWORTH, IV, M.D., DIRECTOR
DOUGLAS BAKER, M.B.A., M.H.A., ASSOCIATE
DIRECTOR OF INDUSTRY RELATIONS AND MARKETING
38848

ENVIRONMENTAL HEALTH AND SAFETY

DAVID A. BROWN, DIRECTOR
INFECTION CONTROL 69375
RADIATION SAFETY 777-3180
CHEMICAL SAFETY 777-3099
RADIATION SAFETY COMMITTEE 777-3180

ANIMAL RESOURCES PROGRAM

JEANNE WALLACE, D.V.M., DIRECTOR AND
ATTENDING VETERINARIAN
BRUCE ROSE, M.S., M.B.A., OPERATIONS MANAGER
JAN SNYDER 64560
VICKIE HARDY, OPERATIONS MANAGER, FRIEDBERG CAMPUS
61573

PURSUIT

RESEARCH INFORMATION BULLETIN Vol. 16, No. 6 June/July 2002

NEW PART-TIME DEANS APPOINTED

Three new part-time dean positions have been announced by Dean William B. Applegate, M.D., M.P.H. These new positions will reside within the Office of Research.

Effective June 1, 2002, David P. Friedman, Ph.D., associate professor, Physiology and Pharmacology, and Charles E. McCall, M.D., professor, Internal Medicine-Infectious Diseases, were named deputy associate deans for the Office of Research.

Dr. Friedman, who will retain his current faculty appointment, will focus on basic science research development within the Office of Research. He brings a significant background in research administration and development from his previous tenure in the Office of Research.

Dr. McCall will also retain his current faculty appointment, and joins the Office of Research with a focus on clinical research. Dr. McCall will oversee the Institutional Review Board and will monitor changes in federal rules and regulations related to human subjects research.

Effective July 1, 2002, Marco Pahor, M.D. became the third named deputy associate dean for the Office of Research. Dr. Pahor will remain Director of the Sticht Center on Aging and Head of the Section on Gerontology. Dr. Pahor's focus as deputy associate dean for research will be on Industry Research.

"I am very pleased with the agreement of these outstanding individuals to join the Office of Research," said Dr. James E. Smith, Associate Dean for Research. "Their presence will allow us to move aggressively forward in our plans to significantly increase the research enterprise."

NAME CHANGE

All extramural grant applications must now use "Wake Forest University Health Sciences" as the applicant organization. For NIH applications, the new EIN to be used is 1-223849199-A1; the IPF (Institutional Profile File) number remains 9021201. For more information, see Deadline & News Watch section of the Office of Research website - <http://www.wfubmc.edu/or/index.html>

CONCERN LINES

ANIMAL CARE & USE -
716-5899

RESEARCH CONDUCT -
716-0338

COMPLIANCE -
1-877-880-7888

**REGULATORY COMMITTEE
DEADLINES**

ANIMAL CARE AND USE COMMITTEE -
AUGUST 2 AND SEPTEMBER 6, 2002

INSTITUTIONAL REVIEW BOARD -
NOON - FRIDAYS

**INTRAMURAL RESEARCH
SUPPORT COMMITTEE
DEADLINES**

*REGULAR AND INTERIM -
SEPTEMBER 24 & NOVEMBER 26,
2002

* Clinical studies or other
research involving humans
are encouraged

PhRMA ADOPTS NEW MARKETING CODE

The Executive Committee of the Pharmaceutical Research and Manufacturers of America (PhRMA) has unanimously adopted a new marketing code to govern the pharmaceutical industry's relationships with physicians and other healthcare professionals. The voluntary code took effect July 1. PhRMA represents the country's leading research-based pharmaceutical and biotechnology companies.

The PhRMA Code on Interactions with Healthcare Professionals permits informational presentations and discussions *that provide valuable scientific and educational benefits* by industry representatives and others speaking on behalf of a company. The code says, "In connection with such presentations and discussions, meals (but no entertainment/recreational events) may be offered so long as they: (a) are modest as judged by local standards; and (b) occur in a venue and manner conducive to informational communication and provide scientific or educational value." Inclusion of a healthcare professional's spouse or other guests is not appropriate. And offering "take-out" meals or meals to be eaten in the absence of a company representative – such as "dine and dash" programs – is inappropriate.

The code provides that token consulting or advisory arrangements should not be used to justify compensating healthcare professionals for their time or their travel, lodging, and other out-of-pocket expenses.

In addition, the code specifies that items primarily for the benefit of patients may be offered to healthcare professionals if they are not of substantial value (\$100 or less). "For example," the code states, "an anatomical model for use in an examination room primarily involves a patient benefit, whereas a VCR or CD player does not."

The new code also provides that no grants, scholarships, subsidies, support, consulting contracts, or educational or practice-related items should be provided or offered to a healthcare professional in exchange for prescribing products or for a commitment to continue prescribing products. "Nothing should be offered or provided in a manner or on conditions that would interfere with the independence of a healthcare professional's prescribing practices," the code states.

The code also contains 10 frequently asked questions and answers to those questions. One question, for example, is whether golf balls and sports bags may be provided if they bear a company or product name. The answer: "No. Golf bags and sports bags, even if of minimal value, do not primarily entail a benefit to patients and are not primarily associated with the healthcare professional's practice, even if they bear the name of a company or product."

The complete code is available at <http://www.phrma.org/press/newsreleases//2002-04-19.390.phtml>, and click on PhRMA Code on Interactions with Healthcare Professionals, or go directly to <http://www.phrma.org/publications/2002-04-19.391.pdf>. The code includes several pages of frequently asked questions.

NEWS FROM THE INSTITUTIONAL REVIEW BOARD

CONTINUING REVIEW INFORMATION ON THE WEB

The Federal Regulations for the Protection of Human Subjects require that the IRB conduct substantive and meaningful continuing review of all approved research protocols at intervals appropriate to the degree of risk, but not less than once per year. The principal investigator is responsible for ensuring that the IRB receives all information required for continuing review prior to the expiration date of IRB approval. To assist investigators and research coordinators, the IRB Office will post a listing of "BG" numbers for protocols that are due for continuing review on its web page. Since this is a public area, the protocol title and name of the principal investigator will not be posted to maintain confidentiality. The IRB Office will continue to send out a notice to the principal investigator of the need to provide information that is required for continuing review. Regardless of whether or not a notice is received, the principal investigator is responsible for insuring that the IRB receives information required for continuing review. Protocols that have not been reviewed by the end of their approval period will be administratively suspended. For questions concerning continuing review, contact the IRB at 6-4542.

IRB FORMS AND POLICIES

Copies of all IRB forms and policies are available on the IRB web page located at http://www.wfubmc.edu/or/comm_irb.html. When submitting protocols for IRB review, investigators should be sure to use the current version of all forms. Please check the web page periodically to insure that the forms you are using are the current version. If you have any questions about IRB forms or policies, contact the IRB Office at extension 6-4542.

INTRAMURAL FUNDING OPPORTUNITY

THE CENTER FOR THE NEUROBEHAVIORAL STUDY OF ALCOHOL

The CNSA is soliciting pilot project applications from faculty for studies of central nervous system mechanisms affected by ethanol's reinforcing and discriminative stimulus effects. The project must be designed to integrate with the scientific aims of the Center, which are described on the Center's webpage - www.wfucnsa.org. The level of support will be approximately \$30,000 a year. The awards will be for one year, with the possibility of a second year award contingent on availability of Center funds. Please contact Dr. Carol Cunningham, Department of Biochemistry (64254) or Jill Peters, CNSA (37161) for additional information, instructions for the preparation of applications, and the criteria used to evaluate proposals.

Deadline: September 1, 2002.

AT THE HELM: A LABORATORY NAVIGATOR

BY: KATHY BARKER, THE INSTITUTE FOR SYSTEMS BIOLOGY, SEATTLE

THIS BOOK PROVIDES A GUIDE FOR NEWLY APPOINTED LEADERS OF RESEARCH TEAMS, AND THOSE WHO ASPIRE TO THAT ROLE. WITH EXTENSIVE USE OF INTERVIEWS AND A TEXT ENLIVENED WITH QUOTES AND REAL-LIFE EXAMPLES, THE AUTHOR DISCUSSES A WIDE RANGE OF LAB MANAGEMENT CHALLENGES AND THE SKILLS THAT PROMOTE SUCCESS. ADDITIONAL INFORMATION CAN BE FOUND AT [HTTP://WWW.CSHLPRESS.COM](http://www.cshlpress.com).

Women's Health Educational and Research Opportunities for Clinicians and Scientists

*For upcoming conferences and lectures, visit
our calendar website at
www.wfubmc.edu/women*

WOMEN HELPING OTHERS FOUNDATION (WHO)

The WHO Foundation: Women Helping Others, nationally supports grassroots charities serving the overlooked needs of women and children. Grants are provided to organizations serving women and/or children in the United States and Puerto Rico. Specific projects and programs addressing health, education, and social service needs are the foundation's priority. The foundation recognizes the value of new programs created to respond to changing needs and will consider funding projects of an original or pioneering nature within an existing organization.

Deadline: Sept. 17, 2002

Contact: Women Helping Others Foundation

P.O. Box 816029

Dallas, TX 75381-6029

Phone: (800) 946-4663

http://whofoundation.org/WHO_Funding.htm

UNDERSTANDING THE BIOLOGY OF SEX

DIFFERENCES

Sex Differences in Cardiovascular Health & Disease.

July 24, 2002

Monona Terrace Convention Center, Madison, WI.

To register online, visit www.womens-health.org/meetings.htm.

NUTRITION AND PUBLIC HEALTH

PRACTITIONER'S COURSE

The CDC/Division of Nutrition and Physical Activity and the Center for Health Promotion and Disease Prevention, University of North Carolina are sponsoring a nutrition and public health course.

The 6-day course serves public health practitioners who work with populations with little or no access to health care services. The curriculum is designed for practitioners with limited experience in nutrition science or behavioral interventions. Emphasis is given to nutrition interventions for low-income and minority women at increased risk for chronic diseases. Faculty with practical and/or academic expertise in public health approaches to healthy eating will teach individual, community, and environmental/policy nutrition interventions.

The course is scheduled from **October 16-22, 2002** in Chapel Hill. Curriculum and registration information are on the web at <http://www.hpdp.unc.edu/nph/>.

Women's Health Continued.....**COOPERATIVE AGREEMENT FOR VIOLENCE AGAINST WOMEN PLANNING AND IMPLEMENTATION**

The Centers for Disease Control and Prevention (CDC) announces the availability of FY 2002 funds for a cooperative agreement program for planning and implementing state initiatives that address violence against women (VAW). This funding opportunity was created in support of the recommendations set forth in the "Agenda for the Nation on VAW", which was developed by the National Advisory Council on VAW.

The purpose of the program is to:

- develop effective and culturally competent initiatives that address VAW issues;
- foster effective community collaborations to respond to emerging policy and program issues;
- provide an opportunity for state health agencies to take a leadership role in addressing violence, specifically VAW, to ensure these issues are raised to a public health priority within the state;
- facilitate the process of seeking data-driven solutions to the prevention of VAW by identifying key data elements that provide compelling evidence of the impact of VAW on families and communities and gaps in data collection that can be addressed by traditional and nontraditional sources;
- develop a more comprehensive approach to preventing VAW through community collaboration and coalition building; and
- identify issues and implementation strategies that address specific challenges and barriers to VAW prevention efforts for priority populations such as racial and ethnic populations, gay and lesbian, elderly, rural, or other "hard to reach" populations, and women with disabilities.

For the purposes of this funding, VAW includes intimate partner violence, sexual violence by any perpetrator, and other forms of VAW committed by acquaintances or strangers.

Contact: Jocelyn Wheaton, M.P.H.
National Center for Injury Prevention and Control
Centers for Disease Control and Prevention
4770 Buford Highway, NE, Mailstop K60
Atlanta, GA 30341-3724
(770) 488-1125
Email: jwheaton@cdc.gov

DEAR DR. OR

Dear Dr. OR

I'm confused about the NIH changes for the Biosketch portion of the grant application. Is the two-part, four page biosketch to be used for both modular (up to \$250,000/year) applications and non-modular ones?

Signed,
Confused

Dear Confused:

Yes, NIH requires that both types of applications use the new format: Up to two pages for positions and honors and selected peer-reviewed publications or manuscripts in press, and the remainder of the 4 pages for ongoing and completed (during the last three years) research projects.

Dear Dr. OR:

Our office submits quite a few grant applications and it is inconvenient to print the route slip on peach colored paper for every application. Other committees in the Institution accept the downloaded forms on plain paper. Why does the route slip have to be on peach paper?

Signed,
Not so Peachy

Dear Peachy:

During the time when an application is in the Office of Research for review, the peach-colored route slip distinguishes this document from other documents in the Office. Thus, there is less of a chance that the application will be misplaced. The original peach-colored route slip is kept in the Office of Research after the routing process is complete, and assures us that we have original signatures from the PI and other key personnel.

Questions for Dr. OR should be submitted in writing to Amy Comer, Office of Research, or by e-mail: acomer@wfubmc.edu

VIGILANCE:

UPDATES FROM WFUSM
ENVIRONMENTAL HEALTH AND SAFETY

STANDARD OPERATING PROCEDURE FOR AUTOCLAVES

A revised SOP for autoclave use to treat biowaste has been posted to the EH&S website under "Biosafety" section.

The revised SOP emphasizes the use of stainless steel pans, a defined thickness for autoclave bags, and biological monitoring of cycles. EH&S has provided stainless steel pans for the autoclaves on 3rd and 5th floor Hanes as well as the 4th floor of NRC. Biological monitoring of cycles to treat biowaste is conducted once a week.

The SOP was revised to ensure that biowaste is processed and handled in manner that reduces or eliminates staff exposures.

REPORT CONCERNS TO EH&S

Recently, the Institution has been the focal point of two employee complaint investigations from OSHA, neither applied to a research area. One involved potential employee exposure to a hazardous chemical, while the other was an indoor air quality issue related to a construction project. Both issues were resolved expeditiously, without significant regulatory consequences.

EH&S is your first source for resolving health and safety concerns. Faculty and staff should report any concerns via the EH&S web site (Report A Hazard), or by calling, 6-9375 *prior* to contacting regulatory officials. EH&S can coordinate mitigation efforts, conduct air sampling, recommend personnel protective equipment, and design other solutions.

While EH&S welcomes the Department of Labor's evaluation of our programs, it is often counterproductive to validate that we are in compliance with regulations. Please contact the Director, David A. Brown directly 6-9375 or dabrown@wfubmc.edu with questions or concerns.

WFUSM ENVIRONMENTAL HEALTH AND
SAFETY

NEWS FROM NIH

REVIEW OF GRANT APPLICATIONS TO NIH

In order to provide fair and consistent treatment of all applicants, NIH has implemented the policy that individuals will not be notified if their application is missing essential information regarding human or vertebrate animal subjects. NIH will defer without review any application missing required information about human or vertebrate animal subjects. To avoid deferral, the following information is necessary:

If Box 4, Human Subjects Research, is checked “yes”, the application must include a complete “Section E. Human Subjects” addressing the four evaluation criteria. IRB approval is no longer required until after the review. Please note that reviewers are now instructed to evaluate these sections carefully and to downgrade the priority score if they find the information inadequate to judge scientific merit. Be advised that “yes” should be checked even if the research is exempt from regulations for the protection of human subjects. Justification, population characteristics, source and inclusion statements must be included in Section E, even for exempt research.

If Box 5, Vertebrate Animals, is checked “yes”, the application must include the IACUC approval date, the animal welfare assurance number, and a complete “Section F, Vertebrate Animals” addressing the five points. If the IACUC approval date was marked “pending”, NIH must receive a copy of the IACUC approval, including assurance number, before the review.

OFFICE OF BIOTECHNOLOGY ACTIVITIES

Compliance with the NIH Guidelines for Research Involving Recombinant DNA Molecules

Investigators and institutions are reminded that they must adhere to the NIH Guidelines for Research Involving Recombinant DNA Molecules when they perform research that is conducted at or sponsored by an entity receiving any NIH support for recombinant DNA research. Therefore, even privately funded projects employing recombinant DNA must adhere to the NIH Guidelines if they are being carried out at, or funded by, an organization that has any NIH contracts, grants, or other support for this kind of research. Adherence to the NIH Guidelines is mandatory and important because they stipulate biosafety and containment measures for recombinant DNA research. Furthermore, they delineate critical ethical principles and outline key safety reporting requirements for human gene transfer research. A fully indexed, hyperlinked copy of the NIH Guidelines can be viewed online or downloaded at: <http://www4.od.nih.gov/oba/rac/guidelines/guidelines.html>.

NATIONAL HUMAN GENOME RESEARCH INSTITUTE (NHGRI)

The Institute has released a totally redesigned website (<http://genome.gov>). The new website supports ongoing scientific studies by researchers inside and outside of the institute as well as providing a reliable source of genomic information to a wide range of audiences, including individuals with genetic disorders and their families, teachers and students and the general public. The website provides a wealth of information concerning the human genome and efforts to unravel its secrets, with emphasis on research, health, and policy and ethics.

Research Funding Opportunities

For all funding information contact Nancy Murray, Office of Research, 62382, unless noted otherwise in the funding announcement

U.S. ARMY MEDICAL RESEARCH AND MATERIAL COMMAND

POSITION: Bone Health and Military Medical Readiness (BHMMR) Research Program

DESCRIPTION: The Command is soliciting proposals for scientific studies on biomechanical influences on bone, with the goal of preventing stress fractures in initial entry military training and optimizing bone health in young men and women that will protect them against bone diseases later in life. This solicitation provides opportunities for the collection of pilot data to test hypotheses for which preliminary data may not be available. Studies sought include but are not limited to: the effect of resistance training on bone structure and function; practical monitoring strategies to identify individuals at risk for stress fracture injury; physiological interactions of bone and muscle turnover and stress fracture risk; effects of high intensity exercise on the bone remodeling process, and interventions designed to optimize bone turnover favoring bone accretion in physically active populations. Proposals will be evaluated for scientific merit distinguished by a clearly described plan and rationale, important and testable hypotheses, and evidence for the likelihood of successful completion and publication of results. Relevance to military problems will be the ultimate determinant of funding. Proposals must provide a clear justification and military relevance but are not required to involve military volunteer subjects. Awards will average \$200,000. The complete announcement is available at <http://www-usamraa.army.mil>.

DEADLINES: Letter of Intent - September 4, 2002
Full Application - September 25, 2002

POSITION: Neurotoxin Exposure Treatment Research Program (NETRP)

DESCRIPTION: The Command is soliciting research proposals for studies related to parkinsons disease and neurodegenerative processes resulting from environmental or neurotoxic insults. The intent is not to test new compounds or drugs but rather to provide the mechanistic basis for identifying novel therapies. Strong rationale and novelty are valued in the proposed studies and proposals covering the range of basic to applied science are appropriate. The full announcement is available at <http://www-usamraa.army.mil>.

DEADLINES: Letter of Intent - September 4, 2002
Full Application - October 2, 2002

DEPARTMENT OF DEFENSE

POSITION: Chronic Myelogenous Leukemia Research Program

DESCRIPTION: Proposals are being accepted for Investigator-Initiated Research Awards for basic and clinically oriented research in the field of chronic myelogenous leukemia. Innovative studies that explore novel ideas or approaches are encouraged. Applicants must be independent investigators at a level equivalent to or above that of Assistant Professor. Awards are for up to \$750,00 for up to 3 years.

DEADLINE: September 18, 2002 (electronic submission only)

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR), ARMY RESEARCH OFFICE, OFFICE OF NAVAL RESEARCH AND THE MISSILE DEFENSE AGENCY

POSITION: Defense University Research Instrumentation Program

DESCRIPTION: This competition is for proposals requesting \$50,000 to \$1,000,000 for equipment acquisitions that will support research and research-related education in any of the areas of interest of the Department of Defense. Complete information about this Broad Agency Announcement is available at <http://www.afosr.af.mil>, click on Research Opportunities.

DEADLINE: August 22, 2002

CURE AUTISM NOW FOUNDATION

POSITION: Research Grants

DESCRIPTION: The Foundation solicits proposals that advance the state of knowledge in critical areas of autism, from basic research to clinical applications. The following funding mechanisms are available:

Young Investigator Awards - the Foundation seeks promising young scientists to enter the field of autism research. Applicants must be no more than four years out of an M.D. or Ph.D. degree program and work under the supervision of an established investigator. The mentor need not be directly involved in autism research, but must provide a research environment in which the young investigator can perform research with direct relevance to autism. Awards are for up to \$40,000 per year for up to two years in postdoctoral fellowship support.

DEADLINE: Letter of Intent - August 1, 2002

Pilot Research Awards - the Foundation seeks to support established investigators from within as well as outside of the field of autism. Research proposals targeting promising hypotheses, using innovative approaches and technologies are a priority. Also studies focused on generating preliminary data or replication of previous findings, leading to larger studies and federal funding are encouraged. Awards are for up to \$60,000 per year for up to two years.

DEADLINE: Letter of Intent - August 1, 2002

Autism Biomaterials Awards - these awards are for grants to enable, expand, or replicate existing research projects, or as a supplementary grant to a Cure Autism Now- funded research project. Awardees are able to freely access the Autism Genetic Resource Exchange (AGRE), the largest and first collaborative biological resource for the study of autism (www.agre.org). The time limit and size of the grant is determined per project, and applications are reviewed as they are received.

DEADLINE: Open

Treatment-Related Study Awards - Research proposals focused on all aspects of treatment, from basic research models to clinical trials to biomarker identification are accepted. Funding amount and duration is determined per individual proposal. Letters of intent are required prior to invitation of full proposals.

DEADLINE: Open

Research Funding Opportunities

For all funding information contact Nancy Murray, Office of Research, 62382, unless noted otherwise in the funding announcement

Research Funding Opportunities

For all funding information contact Nancy Murray, Office of Research, 62382, unless noted otherwise in the funding announcement

AMERICAN PHILOSOPHICAL SOCIETY

POSITION: Daland Fellowships in Clinical Investigation

DESCRIPTION: The Society awards fellowships for research in the several branches of clinical medicine, including internal medicine, neurology, pediatrics, psychiatry, and surgery and emphasizes patient-oriented research. The fellowships are designed for qualified persons who have held an M.D. or M.D./Ph.D. degree for less than six years. Preference is given to candidates who have no more than two years of post-doctoral training and research. Stipends for the fellowships are \$50,000 per year for two years. Additional information can be found at <http://www.amphilsoc.org>.

DEADLINE: September 1, 2002

ROBERT WOOD JOHNSON FOUNDATION

POSITION: Generalist Physician Faculty Program

(Please note that the Institution can only nominate one person in each discipline. If you are interested in being nominated for this Program, please contact Amy Comer x64549 before August 1, 2002.)

DESCRIPTION: The Robert Wood Johnson Foundation's 2003 Generalist Physician Faculty Scholars Program is now accepting applications. The program offers career development awards to junior faculty in medical school departments of family practice, general internal medicine, and general pediatrics. Up to 15 four-year awards of \$300,000 will be made to sponsoring institutions to help cover the scholars' salary and research costs. Nominations must come from the dean. Additional information can be found at <http://www.rwjf.org/applyForGrant/cfpAbstract.jsp?cfpCode=FSP>

DEADLINE: September 20, 2002.

HOWARD HUGHES MEDICAL INSTITUTE PROGRAMS

POSITION: Predoctoral Fellowships

DESCRIPTION: These fellowships are intended to promote excellence in biomedical research by helping prospective researchers with exceptional promise obtain a high-quality graduate education. The five-year award is for students who are at or near the beginning of graduate study toward a Ph.D. or an Sc.D. in these selected biological sciences:

| | |
|-----------------------|--|
| Biochemistry | Mathematical and Computational Biology |
| Bioinformatics | Microbiology |
| Biophysics | Molecular Biology |
| Biostatistics | Neuroscience |
| Cell Biology | Pharmacology |
| Developmental Biology | Physiology |
| Epidemiology | Structural Biology |
| Genetics | Virology |
| Immunology | |

The annual stipend for this award is \$21,000, with an additional \$2,500 allowance for other expenses. Additional information is available at <http://www.hhmi.org/fellowships>.

DEADLINE: November 13, 2002

NATIONAL ALLIANCE FOR RESEARCH ON SCHIZOPHRENIA AND DEPRESSION (NARSAD)

POSITION: Young Investigator Awards

DESCRIPTION: This program offers up to \$30,000 a year for up to two years to enable promising investigators to either extend their research fellowship training or to begin careers as independent research faculty. The program is intended to facilitate innovative research opportunities and supports basic and/or clinical investigators, but research must be relevant to schizophrenia, major affective disorders or other serious mental illnesses including research with bipolar disease, borderline disorders with depression and suicide, and research with children. More information can be found at www.narsad.org.

DEADLINE: July 25, 2002

NIDDK, NIAAA, NIAID, NHLBI, NINR

POSITION: Career Enhancement Award for Stem Cell Research - PAR-02-069

DESCRIPTION: The purpose of this program announcement is to encourage investigators to obtain the training they need to appropriately use stem cells in their research. This award will enable investigators to change the direction of their research careers or to take time from their regular professional responsibilities to broaden their scientific background by acquiring new research capabilities, specifically in the use of human or animal embryonic, adult, or cord blood stem cells. Two types of applicants should consider applying for support: 1.) independent junior faculty who wish to expand their research by the use of stem cells, and 2.) more senior, established investigators who wish to re-direct their research, in whole or in part, to include the use of stem cells. All applicants need to enlist a well-qualified stem cell expert to serve as a sponsor. This award is meant to provide the opportunity and necessary protected time for investigators to gain experiences that will enable them to take full advantage of stem cells in their research. Applicants must propose a training program suitable for their level of experience and scientific interests, and seek an environment where the training can occur. This PA will use the NIH K18 award mechanism. All applicants must devote a minimum of 50 percent effort to the stem cell training and research activities, although a full time commitment for the six to 12 month period of time is encouraged and up to 24 months is allowable.

DEADLINES: October 1, 2002, February 1 and June 1, 2003

Research Funding Opportunities

For all funding information contact Nancy Murray, Office of Research, 62382, unless noted otherwise in the funding announcement

GRANT AND CONTRACT PROPOSAL WATCH

| | This Fiscal Year July - May | Last Fiscal Year July - May | % Change |
|---------------------|--------------------------------|--------------------------------|-------------|
| Proposals Submitted | 927 | 782 | 18 |
| Dollars Requested | \$466,436,359 | \$274,065,305 | 70 |

Research Funding Opportunities

For all funding information contact Nancy Murray, Office of Research, 62382, unless noted otherwise in the funding announcement

NATIONAL CANCER INSTITUTE (NCI), NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

POSITION: Fundamental Technologies for the Development of Biomolecular Sensors

DESCRIPTION: The goal of this new program is to develop biomolecular sensors that will revolutionize the practice of medicine on Earth and in space. The NCI and NASA recognize mutual objectives in advancing the development of technologies and informatics tools to enable minimally-invasive detection, diagnosis and management of disease and injury through the support of fundamental technology development. The NCI's need is for technologies that will enable the earliest detection of the signatures of cancer and the ability to provide rapid and specific treatment. NASA's requirements are for diagnosis and treatment of injury, illness, and emerging pathologies in astronauts during long duration space missions, for monitoring the spacecraft and habitat environments, and for remotely sensing signatures of life to support space exploration missions. The program is specifically soliciting projects to develop the fundamental elements of technology systems or system components that will measure, analyze, and manipulate molecular processes at appropriate scale in the living body. The discoveries from this program are intended to enable the development of complete systems for the in vivo sensing of signatures of pathologic cell types or closely associated microenvironmental factors that provide an integration between sensing/detection and delivery of signature-specific intervention. A copy of the solicitation can be found at <http://rcb.cancer.gov/rcb-internet/appl/rfp/27042/toc.pdf>.

KEY FOR DEPARTMENT OF HEALTH AND HUMAN SERVICES

(DHHS) INSTITUTES - (<http://www.nih.gov/icd/>)

AHRQ - Agency for Healthcare Research and Quality

NCCAM - National Center for Complementary and Alternative Medicine

NCI - National Cancer Institute

NCNR - National Center of Nursing Research

NCRR - National Center for Research Resources

NEI - National Eye Institute

NHLBI - National Heart, Lung and Blood Institute

NHGRI - National Human Genome Research Institute

NIAAA - National Institute on Alcohol Abuse and Alcoholism

NIA - National Institute on Aging

NIAID - National Institute of Allergy and Infectious Diseases

NIAMS - National Institute of Arthritis and Musculoskeletal and Skin Diseases

NIBIB - National Institute of Biomedical Imaging and Bioengineering

NICHD - National Institute of Child Health and Human Development

NIDA - National Institute on Drug Abuse

NIDCD - National Institute on Deafness and Other Communication Disorders

NIDDK - National Institute of Diabetes and Digestive and Kidney Diseases

NIDCR - National Institute of Dental and Craniofacial Research

NIEHS - National Institute of Environmental Health Sciences

NIGMS - National Institute of General Medical Sciences

NIMH - National Institute of Mental Health

NINDS - National Institute of Neurological Disorders and Stroke

NLM - National Library of Medicine

ORWH - Office of Research on Women's Health

PURSUIT STAFF

SHEILA VRANA, PH.D.

DAVID LYONS, PH.D.

AMY COMER

