

WAKE FOREST UNIVERSITY

SCHOOL of MEDICINE
THE BOWMAN GRAY CAMPUS
OFFICE OF RESEARCH

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

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RESEARCH INFORMATION BULLETIN Vol. 16, No. 3 March 2002

WFUSM RANKS 36TH AMONG AMERICAN MEDICAL SCHOOLS IN NIH FUNDING

Buoyed by a \$17.8 million increase in funding from the National Institutes of Health, Wake Forest University School of Medicine ranked 36th among the nation's medical schools in the year ending September 30, 2001, according to just-released data from NIH.

NIH support for the school increased by nearly 25 percent, to \$90.3 million from fiscal year 2000's total of \$72.5 million. "The continued growth in the NIH support of the school's research speaks volumes regarding the accomplishments and competitiveness of our faculty," said Richard Dean, M.D., president and CEO of Wake Forest University Health Sciences. "I am committed to our continued support of such excellence."

The Department of Physiology and Pharmacology emerged as the leader in winning NIH grants, with nearly \$14.7 million in total funding, edging out the Department of Public Health Sciences, which received \$14.2 million. Public Health Sciences had been the leading department for several years. Other top departments included Internal Medicine, \$13.1 million; Pathology (including Comparative Medicine), \$8.5 million; Neurology, \$6.8 million and Biochemistry, \$6.5 million.

Public Health Sciences ranked second among 53 similar medical school departments nationally. Physiology/Pharmacology ranked 4th among 100 departments. Other top 20 departments were Neurology, 14th, Pathology, 17th, Radiology, 18th, and Family Medicine, 19th.

Though the largest single source of research support at the medical school, NIH is just one of many funding biomedical research. Work by some investigators is supported by voluntary health agencies such as the American Heart Association or the American Cancer Society, some by foundations such as the Robert Wood Johnson Foundation, some by pharmaceutical companies or other industrial sources, and some by other agencies of the federal government such as the National Science Foundation, Department of Defense or Department of Agriculture.

- Robert Conn

CONCERN LINES

ANIMAL CARE & USE -
716-5899
RESEARCH CONDUCT -
716-0338
COMPLIANCE -
1-877-880-7888

**REGULATORY COMMITTEE
DEADLINES**

ANIMAL CARE AND USE COMMITTEE -
APRIL 5 AND MAY 3, 2002

INSTITUTIONAL REVIEW BOARD -
OPEN

**INTRAMURAL RESEARCH
SUPPORT COMMITTEE
DEADLINES**

*REGULAR AND INTERIM -
APRIL 16, AND SEPTEMBER 24, 2002

* Clinical studies or other
research involving humans
are encouraged

CAREER ADVICE FOR SCIENTISTS**Scientific Misconduct: Keeping Your Lab Clean**

You devote yourself to science. You tackle difficult questions. You are granted tenure. Grants fund research in your laboratory. And then someone in your lab starts fabricating data. Bogus numbers go from a lab book to a journal club to an abstract to a paper. Without realizing it, you've staked your reputation on a lie. Blatant fraud in the lab is rare -- or, at least, rarely reported -- but it happens. A few bad numbers can threaten an entire lab. The Chronicle of Higher Education's Career Network recently published tips for helping scientists at all levels of experience make sure that integrity is maintained in their labs. The article can be found at <http://chronicle.com/jobs/2002/03/2002030401c.htm>.

AAALAC ACCREDITATION SITE VISIT

On March 11th and 12th, the Association for Assessment and Accreditation of Laboratory Animal Care; International (AAALAC) performed a triennial site visit of Wake Forest University's animal care and use program. The School was among the first to be evaluated by this body and has been continuously accredited since 1966. By all accounts, the current visit was very positive, and there are preliminary indications that full accreditation will be recommended. The AAALAC council will meet in May 2002 to review the assessment of the site visit team and make the final determination of status. Thanks to all who participated in this effort.

CERTIFICATES OF CONFIDENTIALITY

A Certificate of Confidentiality is an important tool to protect the confidentiality and privacy of research study participants. It prevents the forced disclosure of identifiable research information in civil, criminal, administrative, legislative, or other proceeding, whether at the federal, state, or local level. Certificates of Confidentiality are issued by the NIH and are available for all research studies, not just NIH-sponsored research. Investigators are encouraged to obtain a Certificate of Confidentiality for any research study collecting information that, if disclosed, could have adverse consequences for subjects or damage their financial standing, employability, insurability, or reputation. More information on Certificates of Confidentiality can be found on the NIH web site under the "Certificate of Confidentiality Kiosk" at <http://grants.nih.gov/grants/policy/coc/index.htm>.

GCRC PROTOCOL REVIEW AND IRB APPROVAL

Protecting the safety, rights and welfare of human research subjects is the responsibility of the IRB, investigator, sponsor, and institution. Recognizing this shared responsibility, the National Center for Research Resources of the NIH has recommended, increased review of research proposals by GCRCs to ensure both the protection of the safety and well being of human research study subjects and compliance with regulatory guidelines. The Wake Forest University School of Medicine GCRC has embraced this recommendation by hiring Susan Margitic as the Clinical Research Compliance Director and by increasing its review of human subjects protections issues in submitted protocols. GCRC reviews do not replace IRB reviews and oversight; rather, they augment and complement IRB efforts to ensure the safety, rights and welfare of human research participants.

To optimize the use of the GCRC review process, **all protocols that intend to use GCRC resources must be submitted to the GCRC for review and approval before being submitted to the IRB.** This will allow investigators to incorporate GCRC-required changes and recommendations into their protocols, thereby decreasing investigator frustration resulting from having to amend protocols already submitted to the IRB, and allowing investigators to initiate their studies in a more timely manner. Investigators submitting protocols to the GCRC that are currently undergoing IRB review or that have previously been approved by the IRB **must amend their IRB submissions to include all GCRC required changes.** "All changes" means those related to consent and human subjects protection issues, and related to the scientific conduct of the study. Investigators must ensure that the IRB and GCRC informed consent documents and all other study-related documents are identical.



SEEKING SUMMER RESEARCH EXPERIENCES

- RISING FRESHMAN AT WASHINGTON AND LEE UNIVERSITY (BS IN BIOLOGY) SEEKS SUMMER RESEARCH OPPORTUNITY; PARTICIPATED IN WFUSM CERTL RESEARCH PROGRAM IN 1997. CONTACT ARNITA WOFFORD AT 918-9624.
- UNDERGRADUATE STUDENT OF BIOCHEMISTRY AT ROBERTS WESLEYAN COLLEGE IN ROCHESTER, NY SEEKS SUMMER RESEARCH OPPORTUNITY. CONTACT JESSE WENGER (717)-867-4337
- RISING FRESHMAN AT NC STATE (FINISHED IN THE TOP 10% OF HIS CLASS) IS SEEKING A FULL-TIME SUMMER RESEARCH JOB. HE IS AVAILABLE AFTERNOON AND WEEKENDS STARTING IMMEDIATELY. CONTACT BRYAN TRIEBERT AT 922-9337. FOR REFERENCE CONTACT DAVID LYONS, PH.D. AT 716-3019.
- RISING SENIOR AT NORTHWESTERN UNIVERSITY SEEKS SUMMER RESEARCH OPPORTUNITY. CONTACT EDWARD FABRE [E-FABRE@NORTHWESTERN.EDU](mailto:e-fabre@northwestern.edu).

SEEKING POSITION

RISING JUNIOR AT WAKE FOREST SEEKS OPPORTUNITY TO ATTAIN PATIENT CONTACT HOURS. PRIMARY INTERESTS ARE PEDIATRICS AND FAMILY MEDICINE. CONTACT ELIZABETH BOLES AT BOLEEA0@WFU.EDU OR BY PHONE AT 758-6736.

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

REMINDER: HEALTH SERVICES RESEARCH IN WOMEN'S HEALTH PILOT GRANT

The Women's Health Center of Excellence of the Medical Center is accepting applications for the ***Intramural Health Services Research Pilot Grant in Women's Health***. The purpose of the Health Services Research (HSR) grant is to support pilot research necessary to submit competitive investigator-initiated grant applications to the NIH or other funding agencies. Awards of up to \$15,000 (direct costs) will be made. Proposals should address a key health services research issue such as: women's access to health care, indicators of quality of care for women's health, medical outcomes, or other issues related to health services. Applicants are encouraged to consider either primary data collection, or use existing local or national databases containing relevant information on women's health. Examples of the latter include: The Behavioral Risk Factor Surveillance Survey (CDC), Commonwealth Fund Survey of Women's Health, the Consumer Assessment of Health Plans Survey (HEDIS), and others.

Awards will be made using the following criteria:

- Probability of future success for grant funding from a national agency such as NIH, NSF, AHRQ, etc. following the acquisition of pilot data from this seed grant support.
- Quality of science
- Importance of research goals with respect to issues in women's health

The Intramural Research Support Committee will review applications. The deadline for submission is **April 5, 2002**. The Research Subcommittee of the Women's Health Center of Excellence will make final selection. Awards will be made prior to June 30, 2002. Applications must be submitted to the Intramural Research Support Committee in their standard format. Please note on the application that you are responding to the ***Women's Health Center of Excellence Health Services Research RFA***. Contact Nancy Murray 716-2382 for application information and forms. For information about the program contact Dr. Roger Anderson 716-7057 or Dr. Nancy Avis 716-6974.

VIOLENCE AGAINST WOMEN RFA AWARDS TWO GRANTS

Congratulations to Drs. Robert Durant of Pediatrics and Alison Snow Jones of Public Health Sciences, the first recipients of the *Violence Against Women Pilot Grant* sponsored by The Women's Health Center of Excellence. Support for these awards is made possible by funds raised at the WFU Excellence Triathlon. Dr. Durant's award was for his pilot grant, "Adolescent sexual victimization and the use of alcohol and other substances, media violence, and other risk behaviors." Dr. Snow Jones was awarded funding for her application, "Long Term Health Care Costs of Intimate Partner Violence."

Women's Health Continued.....**HIV PATHOGENESIS IN WOMEN'S INTERAGENCY HIV STUDY (WIHS)**

A number of institutes invite applications for highly focused basic research integrated with the Women's Interagency HIV Study (WIHS) scope and structure. Applications are expected to utilize the WIHS study population, a large cohort of HIV-infected women in the United States, to formulate specific hypotheses concerning HIV/AIDS pathogenesis in women. The WIHS cohort is followed in five large metropolitan areas (New York; Washington, District of Columbia; Chicago; Los Angeles; and San Francisco). Applicants are invited to propose studies focused on basic mechanisms of HIV infection and disease in women. Applications in response to this program announcement (PA) may include expansion of ongoing studies and new studies. In addition, studies may involve all WIHS sites or may be limited to defined subsets of the WIHS population, when special requirements exist, such as the need for more frequent participant visits. Studies may address, in detail, biological aspects of HIV infection and how such aspects affect women's health.

Contact: Paolo Miotti, M.D., M.P.H.

National Institute of Allergy and Infectious Diseases

Phone: (301) 496-9176

Email: pm122m@nih.gov

VIRGINIA KELLEY SCHOLAR SPONSORED BY AMERICAN NURSES FOUNDATION (ANF)**NURSING RESEARCH GRANTS PROGRAM**

The purpose of the American Nurses Foundation (ANF) Nursing Research Grants Program is to encourage the research career development of all nurses. The Virginia Kelley Scholar supports research of women's health issues. The principal investigator must be a licensed, registered nurse who has obtained at least one degree, either a baccalaureate degree or higher, in nursing. Beginning and experienced nurse researchers are encouraged to apply. Experienced researchers submitting proposals in a new field of research will be considered in this program. A new field for an experienced nurse researcher is a phenomenon not previously investigated by the applicant or members of the research team.

Deadline: May 1, 2002

Contact: Leo Schargorodski, Director

American Nurses Foundation

Phone: (202) 651-7230

**BRIDGING RESEARCH & PRACTICE IN URINARY
INCONTINENCE**

Historic Charleston, SC - April 4-5, 2002

For more information or to register, call
1(800)BLADDER.

DEAR DR. OR

Dear Dr. OR:

As a faculty member responsible for a training program supported by NIH, where can I find details on administering these awards? Where can I direct my students and fellows to find the latest information on current training awards at WFUSM?

Signed,
Trainer

Dear Trainer:

Information on NIH-sponsored training grants is available on the Office of Research's website (www.wfubmc.edu), under *Training Grants*. A comprehensive list of the NIH-funded training programs at the WFUSM is also available on this site. WFUSM currently manages 17 training awards from the NIH: 10 Institutional National Research Service Awards (T-series), two institutional Career Development Awards (K-series) and two Education Projects (R25). Links to relevant program announcements, application deadlines and supporting documents on administering these awards are also available on the *Training Grants* web page

Information on NIH-sponsored individual fellowships is also available on this site. The NIH supports predoctoral and postdoctoral trainees via individual National Research Service Awards. A number of K-series grants support junior faculty establishing independent research programs or senior faculty who want to change their research direction. The new Pediatric Researcher and Clinical Researcher Loan Repayment programs provide funds for repaying loans for Medical School. Finally, foreign nationals training in the U.S. or U.S. citizens seeking funding for projects conducted abroad may find support at the NIH-sponsored Fogarty International Center.

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

INSPECTION RESULTS

The North Carolina Division of Radiation Protection inspectors visited the Wake Forest University Reynolda Campus, School of Medicine and North Carolina Baptist Hospital February 26-March 1, 2002 to conduct inspections on seven of our eight radioactive materials licenses. Overall, the inspection went very well with only a few minor unresolved issues. Two issues were raised; the more serious of the two was security of sources of radiation. State Rule .1622 specifies that sources of radiation will be secured against unauthorized removal. To be in compliance with this rule, lab personnel must (1) lock up the laboratory when it is unattended, and (2) challenge strangers who enter the laboratory. In response to the inspection, the issue of laboratory security is going to be addressed by the Radiation Safety Officer, Chair of the General Radiation Safety Committee, Director of Environmental Health and Safety and the Chief of Security. A memo will be issued with more detail on the consequences of failure to secure radioactive materials (e.g. fines, escalated enforcement of regulations, possible health effects, negative publicity.) If you have any questions or comments regarding the inspection or security, contact the Radiation Safety Officer at 777-3181 or by e-mail: dhowell@wfubmc.edu.

TEXAS LABORATORY WORKER CONTRACTS CUTANEOUS

ANTHRAX

The Centers for Disease Control and Prevention (CDC) have reported that a Texas laboratory worker has contracted cutaneous anthrax. The laboratory worker was working in a private laboratory, one of several with which the CDC has contracted in recent months to work with specimens collected during the peak of last fall's anthrax attacks. Site of the infection was the back of the worker's neck. Investigators suspect the bacteria was transmitted by either scratching the neck with a contaminated gloved hand or from an aerosol contamination while working in the laboratory and cloth rubbing against the skin. This case highlights several key concepts that can prevent lab-acquired infections. First, when working with any type of biological, follow good laboratory practices that will prevent contamination of the skin. Second, utilize a biosafety cabinet to prevent airborne contamination. Third, if you suspect you may have contaminated yourself, report it immediately to your supervisor and be evaluated through Employee Health Services.

**WFUSM ENVIRONMENTAL HEALTH AND
SAFETY**

NEWS FROM NIH

NIH PROPOSALS WILL BE EVALUATED FOR HUMAN SUBJECTS CONCERNS IN FIVE AREAS

All NIH grant applications involving clinical research will be reviewed and critiqued in the areas of protection from research risks, data safety and monitoring, and plans for inclusion of women, minorities and children according to revised applicant requirements and reviewer guidelines implemented in February 2002. Clinical research includes patient-oriented research that involves interaction with human subjects or material of human origin, as well as epidemiologic and behavioral studies and outcomes and health services research. Independent of any other evaluation, all applications involving human subjects will be evaluated for how well they address possible risks to subjects, how such risk is minimized, the adequacy of protections, the potential benefits of the research to the subjects and others, and the importance of the knowledge to be gained from the research.

In addition, all NIH-supported biomedical and behavioral clinical research projects involving human subjects will also be required to include a data safety monitoring plan to ensure the study will be carried out in a safe and effective manner. The method and degree of monitoring should be commensurate with the risk of the study. Proposals must also include women and minorities, unless clear and compelling justification for their exclusion is provided, with plans to conduct valid analyses to detect significant differences in subpopulations. If an application indicates the proposed study is exempt from human subject regulations, reviewers will assess whether the exemption is justified. Finally, unless justified for scientific or ethical reasons, all studies must include children, including studies deemed "exempt."



NIH ANNOUNCES DRAFT STATEMENT ON SHARING RESEARCH DATA

The NIH is developing a statement on data sharing that expects and supports the timely release and sharing of final research data from NIH-supported studies for use by other researchers. Investigators submitting an NIH application will be required to include a plan for data sharing or to state why data sharing is not possible. This statement will apply to extramural scientists seeking grants, cooperative agreements, and contracts as well as intramural investigators.

Institutions and individuals are invited to comment on the draft policy. Comments must be received no later than June 1, 2002. They should be sent to the Office of Extramural Research, 1 Center Drive, MSC 0152, Building 1, Room 150, Bethesda, MD 20817 or by email to dder@nih.gov. Following consideration of public comments and appropriate revisions, it is expected that the new policy will be announced on August 1, 2002 with a proposed effective date of January 1, 2003. Additional information is available online on the NIH web site at: http://grants.nih.gov/grants/policy/data_sharing/index.htm.

Research Funding Opportunities

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

DEPARTMENT OF DEFENSE

POSITION: Breast Cancer Research Program Announcement I

DESCRIPTION: The U.S. Army Medical Research and Materiel Command (USAMRMC) has issued two Program Announcements to solicit proposals for breast cancer research. The overall goal of this funding effort is to promote research directed toward eradicating breast cancer. Within this context, the objectives of the Program are to prevent breast cancer, cure breast cancer, and improve the quality of life for individuals living with breast cancer.

Clinical Translational Research Awards - to support projects likely to have a major impact on chemoprevention and/or therapy for breast cancer patients. Focus should be on moving research from the laboratory into a clinical trial. A clinical trial must be part of the proposal. Preliminary data is required. Applicants can be of any level of experience. There are no dollar restrictions; awards are for up to 4 years.

Biotechnology Clinical Partnership Awards - to form partnership between a biotechnology company and academic institution or health care organization to perform a Phase 1 or 2 clinical trial in breast cancer therapeutics or chemoprevention. Preliminary data is required. Applicants can be of any level of experience. There are no dollar restrictions; awards are for up to 4 years.

Collaborative-Clinical Translational Research Awards - to support collaborations among academia, community-based breast cancer clinical trials and to test new agents or technologies relevant to treatment of breast cancer in clinical trials. Preliminary data is required. Applicants can be of any level of experience. Awards are for up to \$1.2 million (direct) for up to 3 years, plus indirect costs.

Breast Cancer Center of Excellence Awards - to unite, in a Center of Excellence environment, the most highly qualified investigators to focus on an important question relevant to breast cancer. Proposals addressing breast cancer prevention and tailored cancer therapeutics are encouraged. Preliminary data is required. Applicants must be established investigators with experience in managing large projects. Awards are for up to \$5 million (direct costs) for up to 4 years, plus indirect costs.

DEADLINES: Pre-proposal - April 3, 2002
Full Application - August 21, 2002

POSITION: Breast Cancer Research Program Announcement II

Research Awards

Exploration Awards - to support initial evaluation of an imaginative concept for which no preliminary data is available. Awards are for up to \$150,000 for up to 18 months.

DEADLINE: - June 13, 2002

Innovator Awards - to provide accomplished and visionary scholars/investigators from the academic, government and private sectors with funding and freedom to pursue creative, potentially breakthrough research that could ultimately accelerate the eradication of breast cancer. Awards are for up to \$3 million dollars for a period of up to four years.

DEADLINES: Letter of Intent - May 30, 2002
Application - June 13, 2002

IDEA Awards - to award innovative ideas and technology, no preliminary data is required. Awards average \$100,000 per year for up to three years.

DEADLINE:- June 11, 2002

Training/Recruitment Awards

Predocctoral Fellowships - these awards prepare new scientists for careers in breast cancer research. Awards are for \$30,000 per year for up to 3 years.

DEADLINE: - June 12, 2002

Postdoctoral Fellowship - these awards are for recent doctoral graduates with less than 5 years of postdoctoral research experience and prepare new scientists for a career in breast cancer research. Awards are for \$57,000 per year for up to 3 years.

DEADLINE: - June 12, 2002

POSITION: Prostate Cancer Funding Opportunities

Idea Development Awards - to fund innovative approaches to prostate cancer. Preliminary data is required and must be relevant to prostate cancer and the proposed project. Applicants must be independent investigators at the Assistant Professor level or above; established investigators in other fields are encouraged to apply. Awards are for up to \$375,000 (direct costs) for up to 3 years, plus indirect costs.

New Investigator Awards - to fund innovative ideas and technology from investigators in the early phases of their careers. Preliminary data is not required, but may be included if available. Applicants should be independent investigators with access to appropriate research facilities. Awards are for up to \$225,000 (direct costs) for up to 3 years, plus indirect costs.

Health Disparity Research - Prostate Scholar Awards - to support research in prostate cancer that specifically addresses the prostate cancer disparity in African Americans. Applicants must be at the Assistant Professor level. Awards are for up to \$300,000 (direct costs) for up to 3 years, plus indirect costs.

Health Disparity Training - Prostate Scholar Awards - to support training in prostate cancer research that specifically addresses the prostate cancer disparity in African Americans. Applicants should be Doctoral students, recent doctoral graduates with 3 or fewer years of postdoctoral experience, or physicians within 6 years of completing postgraduate medical education. Awards are for up to \$90,000 (predocctoral), \$147,000 (postdoctoral), or \$300,000 (M.D., post-residency) total for up to 3 years.

Postdoctoral Traineeship Awards - to support postdoctoral training in prostate cancer research. Applicants should be recent doctoral graduates with limited postdoctoral experience (i.e., 3 years or fewer at the time of proposal submission). Awards are for up to \$98,000 total for up to 2 years.

DEADLINE: May 16, 2002

Additional information about these programs can be found at <http://cdmrp.army.mil>.

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

DEPARTMENT OF DEFENSE

POSITION: Ovarian Cancer Research Program

Idea Development Awards - to encourage innovative approaches to ovarian cancer research. Preliminary data is required and must be relevant to ovarian cancer research. Awards are for up to \$375,000 (direct costs) for up to 3 years, plus indirect costs.

Institutional Training Grants - to support new post-graduate training programs in ovarian cancer. Postdoctoral trainees must be recent doctoral graduates. Preliminary data is required and must be relevant to ovarian cancer research. Awards are for up to \$600,000 (direct) for up to 3 years, plus indirect costs.

DEADLINE: June 18, 2002

POSITION: Neurofibromatosis Research Program

New Investigator Awards - to bring junior investigators to the field of neurofibromatosis. These grants are for independent investigators below the level of Associate Professor with access to appropriate research facilities and are in the early stages of their career. No preliminary data is required for these awards. Awards are for up to \$450,000 (direct costs) for up to three years, plus indirect costs.

IDEA Awards - to encourage novel ideas in and innovative approaches to neurofibromatosis research. These grants are for independent investigators and reward innovative ideas and technology related to neurofibromatosis. Preliminary data is not required. Awards are for up to \$450,000 (direct costs) for up to three years, plus indirect costs.

Career Development Awards - to encourage established scientists or research clinicians currently working in areas other than neurofibromatosis to shift their focus to neurofibromatosis research by granting salary support. No preliminary data is required for these awards. Awards are for up to \$60,000 (direct costs) for salary support for up to 3 years, plus indirect costs.

Investigator-Initiated Research Awards - to support basic and clinically oriented neurofibromatosis research and may include nested postdoctoral traineeships. These awards support independent investigators at a level equivalent to or above that of Assistant Professor. The award is for up to 4 years and there are no dollar restrictions. Nested postdoctoral traineeships - maximum of \$60,000 per year for each trainee for direct and indirect costs.

Therapeutic Development Awards - to generate the preclinical data necessary to conduct a clinical trial after completion of the research. These awards are for independent investigators with all levels of experience. Preliminary data is required. There is no restriction on total dollar amount and funding can be requested for up to three years.

Clinical Trial Awards - these awards are for independent investigators and fund Phase 1, Pilot, or Phase 2 clinical trials. Preclinical data is required for all proposals, Phase 1 or Pilot clinical trial data required for Phase 2 proposals. Applicants must be independent investigators with expertise in conducting neurofibromatosis clinical trials. There is no total dollar amount restrictions and funding can be requested for up to three years for Phase 1 clinical trials and up to 4 years for Phase 2 clinical trials.

DEADLINE: June 4, 2002

Additional information about these programs can be found at <http://cdmrp.army.mil>.

BURROUGHS WELLCOME FUND SCIENCE EDUCATION

POSITION: Environment of Science

DESCRIPTION: The Fund makes adhoc grants to support activities in its six focus areas: career development of scientists; emerging infectious diseases; pharmacology, toxicology, and experimental therapeutics; science education; reproductive science; and interfaces between the physics and biological sciences. The science education focus area is funded in North Carolina only. These grants are not for individual research projects and are intended to support activities focused on improving the environment for scientific research and education. The fund is also interested in issues, policies, and other discussions that help promote and foster a supportive environment for biomedical research. Additional information can be found at http://www.bwfund.org/environment_for_science.htm.

DEADLINE: Open

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

POSITION: McKnight Neuroscience of Brain Disorders Award

DESCRIPTION: The Fund supports innovative research designed to bring science closer to the day when diseases of the brain and behavior can be accurately diagnosed, prevented, and treated. The Award assists scientists working to apply the knowledge achieved through basic research to human brain injury or disease. Awards are for \$100,000 per year for three years. A letter of intent is required, a selected few will be invited to submit detailed proposals.

DEADLINE: Letter of Intent - May 1, 2002

THE INSTITUTE OF MEDICINE

POSITION: Gustav O. Lienhard Award

DESCRIPTION: The Institute is accepting nominations for this award. The award, a medal and \$25,000 recognizes individuals for outstanding achievement in improving health care services in the US and focuses on creative or pioneering efforts that have appreciably improved personal health services rather than on contributions to the science base of health care. To encourage consideration of the widest possible range of candidates, no eligibility limits are placed on the education and profession of individuals who may be nominated.

DEADLINE: May 17, 2002

GRANT AND CONTRACT PROPOSAL WATCH

	This Fiscal Year July - Feb.	Last Fiscal Year July - Feb.	% Change
Proposals Submitted	671	548	22.4
Dollars Requested	\$321,821,767	\$206,453,191	55.9

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

NHLBI, NIA

POSITION: Basic Research on Mesenchymal Stem Cell Biology - HL-02-018

DESCRIPTION: The Institutes invite applications on basic research on mesenchymal stem cell biology that will provide the basis for clinical application to hematopoietic and non-hematopoietic stem cell transplantation. Preclinical studies suggest mesenchymal stem cells facilitate hematopoietic stem cell transplantation while decreasing immune rejection of allogenic transplants. In addition, mesenchymal stem cells have been demonstrated to differentiate into a variety of non-hematopoietic tissues including bone, cartilage, tendon, fat, skeletal and cardiac muscle, and early progenitors of neural cells. This RFA will use the Individual Research Award (R01) funding mechanism.

DEADLINES: Letter of Intent - May 15, 2002
Full Application - June 20, 2002

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

NIHES - 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

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