

# WAKE FOREST UNIVERSITY

SCHOOL of MEDICINE  
THE BOWMAN GRAY CAMPUS  
OFFICE OF RESEARCH

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

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# PURSUIT

RESEARCH INFORMATION BULLETIN Vol. 16, No. 5 May 2002

## APPLEGATE ANNOUNCES APPOINTMENT OF FOUR DEANS

Four key administrative appointments have been announced by Dean William B. Applegate, M.D., M.P.H.

James E. Smith, Ph.D., professor and chair of physiology and pharmacology, will become associate dean for research. Smith will retain his post as department chair and also will continue his research in the Center for the Neurobiological Investigation of Drug Abuse.

Cam E. Enarson, M.D., M.B.A., associate dean for medical education, will become senior associate dean, a new position. Enarson is also associate professor of anesthesiology and associate professor of public health sciences. Applegate said Enarson would run day-to-day operations for the dean's office, and have responsibilities for academic space and finance oversight through the dean's office.

K. Patrick Ober, M.D., professor and section head of medicine - endocrinology/metabolism, will become associate dean for education. He will retain his other posts.

Sally A. Shumaker, Ph.D., professor of public health sciences and professor of internal medicine, will become associate dean for faculty. Shumaker is also director of the women's health center of excellence and director of the office of intercampus and community program development. She will retain her intercampus post, and continue her research in aging and women's health, but will step aside as director of the center of excellence.

Continuing in their present posts will be Patricia L. Adams, M.D., associate dean for student affairs, Lewis H. Nelson III, M.D., associate dean for student services and admissions, and Patricia H. Petrozza, M.D., associate dean for graduate medical education. "This is an incredibly dynamic group of senior, experienced academicians who all have outstanding careers," said Applegate. "This group will lead our school through a period of major strategic re-evaluation of our academic mission in all its components."

**CONCERN LINES**

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

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**REGULATORY COMMITTEE  
DEADLINES**

ANIMAL CARE AND USE COMMITTEE -  
JUNE 7 AND JULY 5, 2002

INSTITUTIONAL REVIEW BOARD -  
NOON - FRIDAYS

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**INTRAMURAL RESEARCH  
SUPPORT COMMITTEE  
DEADLINES**

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

\* Clinical studies or other  
research involving humans  
are encouraged

**NEWS FROM NIH****E-SNAP: ELECTRONIC SUBMISSION OF NIH PROGRESS REPORTS**

NIH Notice at <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-02-047.html>

NIH continues to transition the notification of non-competing grant progress reports from a hard copy mailing of preprinted electronic PHS 2590 and PHS 416 face pages to an electronic notification. To facilitate this transition, NIH will continue mailing pre-printed face pages for awards with start dates through November 2002. NIH will make information on due dates for non-competing grant progress reports accessible electronically in two ways:

1. Starting in August 2002, the NIH Office of Extramural Research will host a public website of non-competing progress report due date information that will have search and sort capabilities. Grantees may choose to use this website until they register for the NIH Commons. Users of this website will not receive reminders electronically or have pre-printed face pages available.

2. Upon registration for the NIH Commons, institutional officials will have the opportunity to establish a central e-mail address for notification of NIH pending actions and general NIH Commons activities. By this means the institution will receive a list of pending non-competing progress reports.

Once principal investigators create an account and provide their preferred e-mail, they will have the option to receive e-mail reminders of non-competing progress report due dates with links to pre-populated face pages.

We expect registration for the NIH Commons to begin in August 2002.

**NIH CONSIDERS "JUST-IN-TIME" ANIMAL CARE AND USE APPROVAL  
POLICY**

NIH Notice at <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-02-041.html>

Current PHS Policy on Humane Care and Use of Laboratory Animals provides institutions like WFUSM the option of submitting Institutional Animal Care and Use Committee (IACUC) approval for competing applications or proposals, subsequent to the submission of the application or proposal, but within 60 days from the receipt date. The NIH is proposing to revise the requirement that IACUC verification be submitted prior to NIH peer review. This revision would permit institutions to submit IACUC verification for competing applications subsequent to peer review but prior to award. This concept is often referred to as "just-in-time." This proposed change would enhance the flexibility of institutions and reduce the burden on applicants and IACUCs, allowing resources to be focused on substantive review of proposals likely to be funded. The NIH is now inviting comments from the community on proceeding with this potential policy revision to permit IACUC approval for competing applications to be submitted subsequent to peer review but prior to award. Comments should be sent to Anthony Demsey, Ph.D. at [demseya@od.nih.gov](mailto:demseya@od.nih.gov) on or before May 28, 2002.

## NEWS FROM NIH CONTINUED.....

### NIMH

#### Availability of Data and Biomaterials for Genetics Research on Autism

Given the major public health implications of identifying genes responsible for mental disorders, the National Institute of Mental Health has funded a Human Genetics Initiative (<http://www-grb.nimh.nih.gov/gi.html>). The goal of this initiative is to establish for the scientific community a national resource of demographic, clinical, diagnostic, and genetic data from individuals affected with mental disorders and their relatives, in order to aid researchers in identifying genes that produce disease vulnerability. The purpose of this notice is to announce the recent availability of data and biomaterials (DNA samples and cell lines) in the Human Genetics Initiative to qualified investigators studying the genetic basis of autism. Electronic files of demographic and diagnostic variables necessary for genetic analysis with accompanying documentation, access to biomaterials, a code manual listing additional clinical and demographic data, and pedigree drawings are available. Descriptive information is available on the above website.

### NATIONAL CANCER INSTITUTE - TWO SUMMER COURSES

#### Principles and Practice of Cancer Prevention and Cancer Control

This five-week summer course provides specialized instruction on the principles and practice of cancer prevention and control. The course focuses on the concepts, methods, issues and applications related to this field. Participants have the opportunity to gain a broad-based perspective of these subjects including resources, data, methods, and theories. Lifetime learning skills include critical appraisal of the literature and bibliographic search concepts and techniques.

#### Molecular Prevention Course

This one week course provides a strong background in the molecular biology and genetics of cancer as well as an overview of the basic laboratory approaches applied to cutting-edge research in the fields of molecular epidemiology, bionutrition, chemoprevention, biomarkers, and translational research.

For additional information about either course contact: NCI Summer Curriculum in Cancer Prevention - 301-496-8640 or [nciopogeneral@mail.nih.gov](mailto:nciopogeneral@mail.nih.gov)

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### REQUIRED ELECTRONIC SUBMISSION OF DOD GRANT APPLICATIONS

The Department of Defense, U.S. Army, Congressionally Directed Medical Research Programs (CDMRP) now requires all grant applications to be submitted online. Important links and a full description of procedures for filing applications can be found on the Office of Research web site at [http://www.wfubmc.edu/or/aa\\_DOD.htm](http://www.wfubmc.edu/or/aa_DOD.htm). Briefly, all communication is done online.

1. The applicant is requested by the CDMRP to submit an online Letter of Intent at least two weeks prior to the deadline for application submission.
2. The applicant then registers for proposal submission via the CDMRP's *eReceipt system* soon after completing the letter of intent. During registration, the applicant names Sheila L. Vrana, Ph.D., as the Administrative Representative from the WFUSM Sponsored Programs Office.
3. The applicant initiates the normal WFUSM grant application routing process using a hard copy of the application and Proposal Review and Certification Form (i.e., route slip, buck sheet), including budget submission to Grants Management in the Controller's Office.
4. Once WFUSM institutional approval of the application is obtained and the final application is completed, the applicant converts the entire document to a single comprehensive Adobe Acrobat file (.pdf), which is no larger than 20 MB.
5. This file is sent to the Office of Research via e-mail, floppy disk, Zip disk (PC, 100 MB only), or CD.

**Note: The WFUSM Administrative Representative, not the applicant, submits the final proposal, which serves the purpose of an "electronic" signature. The Office of Research must receive the final Adobe Acrobat file one day prior to the deadline in order to ensure timely submission of the application.** Questions may be directed to David Lyons, Ph.D., or Amy Comer in the Office of Research 6-4548).

## 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](http://www.wfubmc.edu/women)*

### **2002 BREAST CANCER RESEARCH PROGRAM ANNOUNCEMENT II**

The Department of Defense FY02 Breast Cancer Research Program (BCRP) Announcement II (PAII) was released on March 13, 2002 with receipt of proposals due on **June 11-14, 2002**. Detailed descriptions of each of the mechanisms (Exploration Awards, Idea Awards, Undergrad Awards, etc), evaluation criteria, and submission requirements can be found in the FY02 BCRP Program Announcement II, which can be downloaded from the CDMRP web site <http://cdmrp.army.mil>. Electronic submission of applications to DOD is now required. For details see article on page 3.

### **BRIDGES TO PERINATAL HEALTH: LINKING PROVIDERS, FAMILIES AND COMMUNITIES**

**December 5-7, 2002, Riverfront Marriott Hotel,  
Savannah, GA**

Topics include: certification programs (maternal/neonatal transport, advanced fetal monitoring) Human Genome Project, other topics related to maternal, neonatal and transport issues. For abstract/program information call 888-971-3295 or on the web at [www.nationalperinatal.org](http://www.nationalperinatal.org).

### **AAMC EARLY CAREER WOMEN FACULTY PROFESSIONAL DEVELOPMENT SEMINAR**

**December 14-17, 2002, The Eldorado Hotel,  
Santa Fe, New Mexico**

This seminar is for women early in their first faculty appointment who are aiming for a position of leadership in academic medicine (associate professors are NOT eligible). The number of participants is limited to 120 to keep workshops small. Each applicant should submit a supporting letter from her dean, section or department head describing how her goals for attending the seminar relate to her work and professional aspirations. For an application form, call 202-828-0671 or email [dhollins@aamc.org](mailto:dhollins@aamc.org). Early application is strongly advised.

### **IRB NEWS: CHANGES TO CONTINUING REVIEW AND TERMINATIONS**

Continuing Review and Terminations are now two different forms. Submission of a Continuing Review form is required by the IRB for renewal of all protocols. The Continuing Review form specifies all the information the IRB must receive to conduct substantive and meaningful review of ongoing research studies. Although originally designed for both continuing review and terminations, feedback from investigators and coordinators indicate that two forms would be preferred. The Continuing Review form has been modified to remove information related to terminating or closing a protocol, and a Termination or Closure of an Existing Protocol form has been developed. This form is now available on the IRB web page ([http://www.wfubmc.edu/or/comm\\_irb.html](http://www.wfubmc.edu/or/comm_irb.html)) and should be used to terminate or close a protocol. Thanks to everyone for the suggestions.

## DEAR DR. OR

Dear Dr. OR:

I am submitting a grant application to NIH in response to an RFA which has a June 8 deadline. Since June 8 is on a Saturday, do I need to mail the application early enough that it arrives at NIH on Saturday or can I mail it on Monday?

Sincerely,  
Confused

Dear Confused:

When a receipt date falls on a weekend or holiday, the next business day will be considered the receipt date. For unsolicited grant applications in response to normal deadlines (e.g., June 1, October 1, February 1), the application can be mailed on this day. For solicited grant applications (RFAs, PARs, and some PAs) the application must be received at NIH on the day.

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

## SEEKING POSITION

Rising High School Junior seeks summer research experience. Would like opportunity to assist in any area of research to gain experience. Contact David Gilliam [hgilliamiv@triad.rr.com](mailto:hgilliamiv@triad.rr.com).

## VIGILANCE:

UPDATES FROM WFUSM  
ENVIRONMENTAL HEALTH AND SAFETY

### GEL ELECTROPHORESIS HAZARDS

Many laboratories that routinely use gel electrophoresis as a tool to separate proteins, DNA fragments, or small nucleotides. Are you aware of the following hazards associated with:

1) Some of the chemicals used in the process?

- Acrylamide is a select carcinogen and a neurotoxin. It is best to use this already premixed to reduce the risk.
- Ethidium bromide is a mutagen and can be absorbed through intact skin.
- Dithiothreitol is an irritant and can cause central nervous system depression.

Consult MSDS for information on the other chemicals that are used.

2) UV light that is used for the visualization of DNA?

- UV light can cause skin burns and is an eye hazard.

3) Electrophoresis Equipment?

- Electrical hazards can be present because electricity is essential to the process.
- The newer electrophoresis systems have protection systems (UL and CE designated) that guard against electrical shock. However, if older systems are used, operators must ensure that no live wires or contacts are exposed.

Following lab safety procedures, working in a functional chemical safety hood, wearing the appropriate PPE and being properly trained can help eliminate the hazards associated with gel electrophoresis.

### REQUIREMENTS FOR BIOSAFETY LEVEL ONE AND TWO

Biosafety level one agents: these compounds are not known to consistently cause disease in healthy adults. Standard microbiological, animal care and management practices are followed. There is no additional safety equipment required.

Biosafety level two agents: these compounds are associated with human disease. Transmission through needlestick injuries, ingestion or mucous membrane exposure is a concern. Restricted access to a laboratory, biohazard warning signs, sharps precautions as well as a biosafety manual is required when working with these organisms. Additionally, a certified biosafety cabinet and access to an autoclave are mandatory.

Consideration must be given to the pathogenicity, stability, concentration and type of organism in assessing risk. Availability of data from animal studies and an effective prophylaxis must also be considered in determining risk and biosafety level. Additional factors such as personnel experience and skill must also be considered. If you have any questions regarding determining risk and assigning biosafety levels, contact EH&S.

WFUSM ENVIRONMENTAL HEALTH AND  
SAFETY

# Research Funding Opportunities

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

## CROHN'S AND COLITIS FOUNDATION OF AMERICA

**POSITION:** Research Grants

**First Award** - this award provides up to \$60,000 per year for up to three years to support the first independent investigative efforts of an investigator in the field of inflammatory bowel disease (IBD).

**Career Development Award** - these awards provide support during the early developmental stages of investigators with potential for an independent career in basic and/or clinical investigation in IBD. MD applicants must have at least five years of postdoctoral experience, two years of which must be relevant to IBD. PhD applicants must have two years of relevant IBD postdoctoral experience. Awards are for \$40,000 for one year.

**Research Training Award** - the Foundation offers this award to encourage the early developmental stages of researchers with potential for a career of independent basic and/or clinical investigation in IBD. This award is not intended for persons in mid-career who may be in transition to another endeavor. Applicants must hold MD or PhD degrees. Candidates are expected to commit 100% of their professional effort to the objectives of the training award.

**Senior Research Award** - this award provides funds (up to \$100,000 per year for up to two years) to enable established investigators to generate sufficient data in the field of IBD to become competitive for funds from other sources (e.g. NIH).

**DEADLINES:** Letter of Intent - June 1, 2002  
Full Application - July 1, 2002

## NIBIB

**POSITION:** National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32) - PA-00-104

**DESCRIPTION:** The Institute will award NRSA Fellowships to promising applicants with the potential to become productive, independent investigators in fields associated with bioengineering, biomedical imaging, and multi-disciplinary research aimed at addressing problems in biology and medicine. The purpose of this NRSA program is to ensure that a diverse and highly-trained workforce is available to assume leadership roles in the national biomedical research agenda.

**DEADLINES:** August 5 and December 5, 2002, April 5, 2003

## NCI, NIDDK

**POSITION:** Molecular Interactions between Tumor Cells and Bone - RFA: CA-03-013

**DESCRIPTION:** The Institutes solicit investigator-initiated applications to promote a better understanding of the pathophysiology of bone metastasis, especially as it relates to tumor cell-bone interactions. The overall goal is to delineate the role of bone microenvironment on tumor cell survival, and colonization. Collaborative interactions between bone biologists, clinical oncologists and cancer biologists are highly encouraged. Both the exploratory (R21) and traditional (R01) grant applications will be accepted.

**DEADLINES:** Letter of Intent - October 17, 2002  
Full Application - November 21, 2002

## NHLBI, NIDA

**POSITION:** Administrative Supplements for HIV-Related Research

**DESCRIPTION:** The Institutes announce the availability of administrative Supplements to NHLBI and NIDA grantees to facilitate the sharing of resources and/or the establishment of collaborations for HIV-associated disease research related to drug abuse, cardiovascular, pulmonary, hematological and sleep disorders. Only existing R01 grants supported by NHLBI or NIDA, that focus on research involving HIV-related cardiovascular, hematological or pulmonary complications and related infectious diseases or drug abuse in the setting of HIV infection with at least one year of support remaining at the time of the supplemental award are eligible for a supplemental award under this notice. The proposed research must be within the scope of the NHLBI or NIDA funded parent study. Applicants may request one year of support in \$25,000 increments up to maximum of \$75,000 in direct costs.

**DEADLINE:** June 25, 2002

## WILLIAM T. GRANT FOUNDATION

**POSITION:** Faculty Scholars Awards

**DESCRIPTION:** The Foundation funds interdisciplinary research on young people ages 8-25 that examines young people in social, institutional, community, and cultural contexts, and addresses issues that are relevant to youth-related programs and policies. Priority areas for research are youth development; programs, policies and institutions affecting young people; and adults' attitudes about and perceptions of young people, along with the consequences of those attitudes and perceptions. Candidates for the award are nominated by a supporting institution and must submit five-year research plans that should demonstrate creativity and intellectual rigor using sound scientific methods. Awards are for up to \$300,000 for up to five years. Additional information can be found at <http://www.wtgrantfoundation.org>.

**DEADLINE:** July 1, 2002

## SCHERING-PLOUGH FOUNDATION

**POSITION:** Medical and Allied Education and General Higher Education Grants

**DESCRIPTION:** These grants will fund the purchase of equipment and major laboratory renovations. The Foundation's primary objective is to support institutions of higher education, select secondary schools and various educational programs related to improving the delivery of health care by supporting quality medical care and allied education. Pharmacy education is of special interest. The award is for \$500,000.

**DEADLINE:** July 1, 2002

## GRANT AND CONTRACT PROPOSAL WATCH

	This Fiscal Year July - April	Last Fiscal Year July - April	% Change
Proposals Submitted	822	670	23%
Dollars Requested	\$379,844,070	\$239,978,170	58%

# Research Funding Opportunities

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## BARTH SYNDROME FOUNDATION, INC.

**POSITION:** Research Grants

**DESCRIPTION:** The Foundation is accepting applications for research on the natural history, biochemical basis and treatment of Barth syndrome, which is an X-linked recessive, cardioskeletal myopathy associated with neutropenia, growth delay, and diverse biochemical abnormalities, among which are defects in mitochondrial metabolism and phospholipid biosynthesis. "Seed money" grants are available to researchers to be used for the testing of initial hypotheses and collection of preliminary data leading to successful long-term funding by NIH and other major granting institutions. Awards are for up to \$40,000 for up to two years. Information on the application process is available at <http://www.barthsyndrome.org>.

**DEADLINE:** June 3, 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

#### PURSUIT STAFF

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