

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. 17, No. 7, August 2003

STRUCTURAL BIOLOGY AT THE BOWMAN GRAY TECHNICAL CENTER

After a year of planning and discussions, a seven-member Structural Biology group from the Department of Biochemistry has moved, as of August 8, into leased space at the Bowman Gray Technical Center (BGTC), 950 Reynolds Boulevard. In addition to almost 9,000 ft² of newly renovated wet lab space, the BGTC site substantially enlarges and enhances office and conference space for seminars and graduate courses.

Other enhancements at the BGTC site:

- The new X-Ray Diffraction Laboratory, which provides information on the three-dimensional structures of proteins at atomic resolution, is the most advanced academic facility of its kind in North Carolina.
- Major expansion of the Biomolecular Computing and Graphics Facility at the BGTC site now provides investigators with state-of-the-art computational resources for solving, refining, and interpreting protein structures from X-ray diffraction (and NMR) data.
- The BGTC site also significantly expands the Biomolecular Resource Facility; new MALDI-TOF and Ion-Trap mass spectrometers, a new automated DNA sequencer, and a new Bioinformatics Core are among the facilities that will now be available to all WFU investigators. (continued on page 2)

UPCOMING RESEARCH ADMINISTRATORS MEETINGS

September 11, 2003 - More eSNAP and eRA issues - Conference Room 1002, 1st Floor Hanes

October 9, 2003 - Time/Effort Reporting and Case Study - Commons Conference Room #3

November 13, 2003 - Industry Relations Update - Commons Conference Room #3

December 11, 2003 - Update from Grants Management - Commons Conference Room #3

All meetings are held at 10:00 am. Please email Amy Comer (acomer@wfubmc.edu) if you would like to be added to this email group.

CONCERN LINES

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

**REGULATORY COMMITTEE
DEADLINES**

ANIMAL CARE AND USE COMMITTEE -
SEPTEMBER 5 AND OCTOBER 3, 2003

INSTITUTIONAL REVIEW BOARD -
NOON - FRIDAYS

**INTRAMURAL RESEARCH
SUPPORT COMMITTEE
DEADLINES**

*REGULAR AND INTERIM -
SEPTEMBER 23, 2003

* Clinical studies or other
research involving humans
are encouraged

REMINDER

**FACULTY RESEARCH AWARDS DAY
TUESDAY, SEPTEMBER 30, 2003
2:00 PM**

NUTRITION RESEARCH CENTER CONFERENCE ROOMS

Join your colleagues for the 7th Annual Wake Forest University Health Sciences Basic and Clinical Research Awards. Following lectures by recipients, awards will be presented by Richard H. Dean, M.D., President and Chief Executive Officer. The awardees are as follows:

New Investigator in Basic Sciences

David R. Riddle, Ph.D., Assistant Professor
Department of Neurobiology and Anatomy
"Neurotrophic Regulation Across the Lifespan: Insulin-like Growth Factor-1 in CNS Development and Aging"

New Investigator in Clinical Sciences

W. Gregory Hundley, M.D., Associate Professor
Department of Internal Medicine, Section on Cardiology
"Chemotherapy-Induced Cardiotoxicity"

Established Investigator in Basic Sciences (Co-recipient)

Carol C. Cunningham, Ph.D., Professor and Acting Chair
Department of Biochemistry
"Alcohol Consumption and Liver ATP Metabolism"

Established Investigator in Basic Sciences (Co-recipient)

Samuel A. Deadwyler, Ph.D., Professor and Vice Chair
Department of Physiology and Pharmacology
"The View from a Quarter Century"

Established Investigator in Clinical Sciences

James F. Toole, M.D., Walter C. Teagle Professor
Department of Neurology
"STROKE at WFUBMC: Past, Present and Future"

***Reception to follow ceremony in the Nutrition Research Center,
Exhibit Hall, E Floor.***

STRUCTURAL BIOLOGY (CONTINUED FROM PAGE 1)

The relocation to the BGTC site is the first step in realizing an interdisciplinary Center for Structural Biology at Wake Forest University (CSBWFU), and has been made possible through generous funding from Wake Forest University Health Sciences, the Reynolda Campus Office of Research and Sponsored Programs, and the NIH Shared Instrumentation Grant Program. Faculty at the BGTC site include: Professors Al Claiborne and Mark Lively, Associate Professor Leslie Poole, and Assistant Professors Tom Hollis, Todd Lowther, Conn Mallett, and Derek Parsonage. Graduate stipends have been secured to create interdisciplinary training opportunities for students from Biochemistry, Molecular Genetics, Chemistry, Physics, and Computer Science. Bernie Brown, Assistant Professor of Chemistry, has been an especially strong advocate for this cross-campus initiative and will use the new X-Ray laboratory heavily in his research.

An on-call (716-RIDE) shuttle service between the Bowman Gray Campus and the BGTC site was initiated on July 28, and interested parties are encouraged to visit. Please contact Misty Allen, Administrative Secretary (716-6775; mkallen@wfubmc.edu) for further information or to schedule a visit.

DEAR DR. OR



Dear Dr. OR:

What is DUNS and why do I need a DUNS number on my NIH grant application?

Signed,
Curious

Dear Curious:

DUNS is Dun & Bradstreet's "Data Universal Numbering System". A DUNS number is assigned to organizations. The DUNS number assigned to Wake Forest University Health Sciences is 937727907. When using the NIH application from the Office of Research website, this number appears in block 11 of the NIH 398 face page modified for WFUHS. The DUNS number is used by NIH to track the application and identify the applicant institution.

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

START-UP BOOT CAMP

A FREE workshop for Triad University faculty and staff interested in learning more about start-up business development.



University participants welcome for a \$20 advance registration fee.

WHO: Expert presenters in technology-led start-up business development from the legal, financial, entrepreneurial and licensing fields.

WHAT: A Start-up "boot camp" bringing together interesting, knowledgeable and informative speakers on the "how to" of starting a new technology-led business. Lunch and Networking Reception provided.

WHERE: Piedmont Triad Research Park
115 Chestnut Drive
Winston-Salem, NC

WHEN: Tuesday, September 16, 2003
8:00am - 4:00pm

Featured Speakers Include:

Chris Julich, Manager of Venture Debt, RBC Centura
Bradford Walters, M.D., Ph.D., Academy Funds
Merrill Mason, Hutchison & Mason, PLLC
Michael Batalia, Ph.D., Wake Forest University

Sponsored by: Hutchison & Mason PLLC, !dealliance, The Triad Entrepreneurial Initiative, Wake Forest University Health Sciences and Seed Stage Associates.

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*

OUR RESEARCH SUPPORT CORE HAS A NEW DIRECTOR!

Join us in welcoming **Kristie Long Foley, PhD**, as the new Director of our Research Support Core. Dr. Foley is an Assistant Professor in the Department of Public Health Sciences/Section on Social Sciences and Health Policy. She currently directs the WFUSM Carolinas Colorectal Cancer Screening Project subcontract, a community trial to improve colorectal cancer screening among low-income women in North and South Carolina. Dr. Foley is also the Co-Principal Investigator of a web-based curriculum to promote and enhance culturally-competent tobacco cessation counseling among medical students. Among her goals for the Research Support Core are expansion of its outreach throughout WFUSM, and continuing the educational program of workshops already established. She can be reached at kfoley@wfubmc.edu.

REMINDERS:

Next Research Workshop: "Nitty Gritty of NIH Grants," **Sept. 5**, 1-4 p.m. Registration fee is \$40. Contact: byoungda@wfubmc.edu

Pilot Grants (intramural): Proposals due to Office of Research **Sept. 23**. Applications on women's health topics encouraged. Contact: navis@wfubmc.edu

Graylyn Conference on Women's Health, October 29-31, Winston-Salem, NC: "Women and Cognition". Speakers include Drs. Bernadine Healy and Elizabeth Barrett-Connor. Contact: kwagoner@wfubmc.edu

SEX DIFFERENCES IN LUNG CANCER: FROM GENES TO BEHAVIOR: OCTOBER 14, 2003

The Society for Women's Health Research is sponsoring their fifth conference in the series "Understanding the Biology of Sex and Gender Differences" on October 14, 2003 in Houston, TX. The topics to be addressed include epidemiology, genetics, diagnostics, therapeutics, and public policy issues regarding lung cancer. Registration is only \$50. For more information, call 202-496-5010, or by email sarahk@womens-health.org.

ATTENTION RESEARCHERS: NEW EPIDEMIOLOGIC DATA AVAILABLE

The Behavioral Risk Factor Surveillance System (BRFSS) report, "Health Risks Among NC Adults, 2001" has just been released. The report covers 34 topics; for each, geographical variations within North Carolina (and when applicable, nationwide) are shown for a selected health indicator. Also included: sex- and race-sex specific trends for North Carolina and the US for topics with over 3 years of data in the BRFSS database. Nationwide maps also include mean and median values. To access the report, see www.schs.state.nc.us/SCHS/pdf/BRFSS2001.pdf.

CONTROLLER'S CORNER - GRANTS MANAGEMENT

FREQUENTLY ASKED QUESTIONS

Q: A few months ago, you told us to update our chartfield codes for internal service departments. How do I get the current information?

A: Each month we see many old, inactive accounts used on mail room/postage slips, CompuMed, Print shop, PhotoMed, Bookstore payment requests. Please make sure you are using a valid chartfield. Below are the most common internal department contacts; if you are unsure whom to contact, please contact your grant accountant to obtain current codes.

DESCRIPTION	DEPARTMENT	DEPARTMENT CONTACT	PHONE EXT
Bulk Mail	Mailroom	Tina Cole	6-2030
Alcohol	Environmental Health & Safety	Deborah Bullins	6-4234
Library	Library	Joanna Weatherman	6-4694
Animal Purchase/ Resources (Friedberg Campus)	Pathology-Comparative Medicine	Patricia Wood	6-1620
Animal Purchase/ Resources (Hawthorne Campus)	Pathology-Comparative Medicine	Madeline Presson	6-4569
Health Protection	Environmental Health & Safety	Deborah Bullins	6-4234
Corporate Express	Corporate Express	Anne Gowen	6-4683
Tissue Culture Core Lab	Microbiology/Immunology	Dave Craig/Nathan Iyer	6-2480

Q. Can you please explain why I need a Signature card, and how I can update it?

A. When a new account is established, a signature card is sent to the PI or Dept. Administrator. Any person who is authorized to spend on the account must sign this card. By signing the signature card, individuals are certifying adherence to the following statement: A prime responsibility of the Principal Investigator and other authorized signatories is to assure proper allocation of costs for this project at their initiation to avoid cost transfer issues. Cost transfers are a prime audit issue/target and should not be taken lightly.

If a change is needed, please call your grant accountant and they will send you a card to make revisions. If you send a new card with only the additions, that card will replace the old card. Please be clear as to whether you are adding or deleting signatories.

Q. What is F&A (indirect costs) and how is it calculated?

A. Wake Forest University Health Sciences has a Modified Total Direct Costs (MTDC) Facilities and Administrative (F&A; indirect cost) rate. Indirect costs (F&A) are calculated on everything except: equipment over \$3,500, tuition, patient care and the costs of subcontracts above \$25,000. Therefore it is important to remember when you are rebudgeting a subcontract, the indirect costs will also be affected.

For example:

You decide that \$10,000 is not needed in equipment and request to rebudget those funds for needed supplies. The F&A rate on this project is 44%. \$10,000 is not available to spend in supplies; available funds for supplies are \$6945 ($\$6945 \times 44\% = 3055$; $\$6945 + \$3055 = \$10,000$).

It is also important to remember that the F&A that we are able to collect on the first \$25,000 of a subcontract is for the entire project period, and not just one budget period (one year).

For example:

Year one, you subcontract to University X for \$30,000, we collect F&A on \$25,000 of this subcontract

Year 2, you subcontract to University X again for \$30,000 under the same award and College Z for \$30,000. We collect no indirects on University X but we collect indirects on \$25,000 of College Z.

Year 3, you subcontract to University X and College Z again for \$30,000 each. We collect no indirects on the subcontracts at all this budget period.

Research Funding Opportunities

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

NATIONAL SCIENCE FOUNDATION

POSITION: Graduate Research Fellowship Program

DESCRIPTION: The National Science Foundation (NSF) aims to ensure the vitality of the human resource base of science, mathematics, and engineering in the United States and to reinforce its diversity by offering approximately 900 graduate fellowships each year, including awards for women in engineering and computer and information science. Fellowships provide three years of support for graduate study leading to research-based master's or doctoral degrees in the fields of science, mathematics, and engineering supported by the NSF and are intended for students in the early stages of their graduate study. Applicants must be United States citizens or nationals, or permanent resident aliens of the United States. Fellowships are awarded for graduate study in fields supported by the NSF, including the mathematical, physical, biological, behavioral and social sciences; engineering; the history of science and the philosophy of science; and for research-based PhD degrees in science education.

Fellowships are intended for individuals in the early stages of their graduate study. In most cases, an individual has three opportunities to apply: during the senior year of college, prior to or during the first year of graduate school, and at the beginning of the second year of graduate school. Stipends are for \$27,500 for a 12 month tenure plus \$10,500 cost-of-education allowance per tenure year. Complete information including deadlines and application procedures can be found at <http://www.nsf.gov/pubs/ods/getpub.cfm?nsf03050>.

NHLBI, INSTITUTE OF CIRCULATORY AND RESPIRATORY HEALTH, CANADIAN INSTITUTES OF HEALTH RESEARCH

POSITION: Inflammation and Thrombosis - HL-04-005

DESCRIPTION: The goal of this initiative is to identify molecular targets and develop novel therapeutic agents towards better management of thrombotic disorders. The Institutes invite applications that utilize innovative research approaches to the molecular and cellular interactions between the hemostatic and inflammatory systems to identify novel therapeutic agents and that translate this knowledge to preclinical research. This RFA will use the NIH Research Project Grant (R01) award mechanism. The complete RFA can be found at <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-005.html>.

DEADLINES: Letter of Intent - December 22, 2003
Full Application - January 22, 2004

NIDDK, NIAID, NEI, NHLBI, NINDS

POSITION: Bench to Bedside Research on Type 1 Diabetes and Its Complications - DK-03-019

DESCRIPTION: The Institutes invite applications involving partnerships between clinical and basic biomedical researchers with the goal of translating advances in our understanding of the molecular basis of type 1 diabetes and its complications into new therapies for the prevention, treatment and cure of this disease. In these "bench to bedside" research partnerships, a team of clinical and basic scientists will conduct collaborative research that, if successful, will bring basic research advances from the laboratory to a point where a potential new therapy can be tested in patients or in preclinical studies in animal models. This RFA will use the NIH Exploratory/Development Research Grant (R21), the Exploratory/Development Research Grant Phase 2 (R33), and the Phased Innovation Award (R21/R33 combined) award mechanisms. The complete RFA can be found at <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-03-019.html>.

DEADLINES: Letter of Intent - January 20, 2004
Full Application - February 20, 2004

NIDDK, NINDS

POSITION: Hypoglycemia in Patients with Type 1 Diabetes - DK-03-017

DESCRIPTION: The Institutes invite applications for basic and clinical studies to enhance understanding and prevention of hypoglycemia in patients with diabetes. This RFA seeks basic and clinical studies to enhance understanding of how the brain and other critical tissues sense and respond to hypoglycemia; delineate the effects hypoglycemia on brain function; and develop improved methodologies to prevent hypoglycemia, based on an understanding of physiological glucose sensing and counterregulation. This RFA will use the NIH Investigator-Initiated Research Project Grant (R01) and the Exploratory/Development Research Grant (R21) award mechanisms.

The complete RFA can be found at <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-03-017.html>.

DEADLINES: Letter of Intent - January 20, 2004
Full Application - February 20, 2004

GRANT AND CONTRACT PROPOSAL WATCH

	This Fiscal Year July - June	Last Fiscal Year July - June	% Change
Proposals Submitted	60	66	(9.1)
Dollars Requested	\$38,055,821	\$13,187,332	188.6

Research Funding Opportunities

For all funding information contact Angela Horton, Office of Research, 623382, unless noted otherwise in the funding announcement

Research Funding Opportunities

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

REMINDER

"THREE DAY RULE" FOR APPLICATIONS

Applications must be submitted for review and institutional signature not less than three days prior to the agency deadline. For the upcoming **October 1** deadline, applications must have Controllers Office review of the budget and be submitted to the Office of Research by **September 25**.

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

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