

GREAT SCIENTISTS NEED GREAT LABORATORIES.

Opening 2008!

The **Nutrition Research Institute** and the Department of Nutrition in the School of Public Health at the University of North Carolina at Chapel Hill are jointly recruiting tenured or tenure-track positions to be located on the North Carolina Research Campus in Kannapolis.

The NRI is positioned to become the world leader in each of its focus areas: brain development, cancer, obesity and eating disorders. Cutting edge equipment available nowhere else in the world, coupled with breakthrough scientific methods in genetics and metabolomics, will make possible a vision of individualized nutrition never before realized.

We offer a brand-new, high-tech facility focusing on nutrigenomics and metabolomics as they apply to human nutrition, hard money research support, excellent start-up packages, new labs and office space, capacity to conduct human and mouse research, state-of-the-art instrumentation and equipment in metabolomics and nutrigenomics, and an outstanding intellectual environment on campus with programs from 7 universities.

For more information about the NRI, visit www.uncnri.org.



We strongly encourage applications from women, minorities, and individuals with disabilities. The University of North Carolina at Chapel Hill is an Equal Opportunity Employer.

WE'VE GOT BOTH.

NW129752R

Endowed Chair at Duke University in Experimental Condensed Matter Physics

The Department of Physics at Duke University invites applications and nominations for an Endowed Chair in Experimental Condensed Matter Physics, including Biological Physics, at the tenured Full Professor level to begin on or after January 2009. We are looking for candidates who have a primary interest in the fundamental physics of hard or soft condensed matter systems and demonstrated excellence in research and teaching. The successful candidate is expected to lead a world class program and will benefit from potential overlap with current university thrusts in nanoscience, imaging, and/or optics and photonics.

Applications should include a complete curriculum vitae and publication list, and a statement of research and teaching.

**Application should be made via
<https://academicjobsonline.org>**

Additional material may be sent to: Prof. Robert Behringer, Chair of the Search Committee, c/o Florin Damian, Department of Physics, Duke University Box 90305, Durham, NC 27708-0305.

The search committee will begin evaluation of applicants on June 1, 2008. Duke University is an Equal Opportunity/Affirmative Action Employer; we particularly encourage applications from women and minorities.

NW129428R

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Professor of Global Environmental Health

Duke University's Nicholas School of the Environment and Earth Sciences and the Duke Global Health Institute (DGHI) have an opening for a tenured associate or full professor of global environmental health. The Nicholas School, with an interdisciplinary faculty of 75, offers professional (Master of Environmental Management) and graduate (M.S. and Ph.D.) degrees and directs Duke's undergraduate environmental programs. DGHI undertakes and coordinates global health educational, research, and policy related programs involving many disciplines throughout the university, including the medical center.

The candidate must have a M.D. or a Ph.D. in a relevant field, which we interpret broadly. Relevant subjects include, but are not limited to, epidemiology, toxicology, public policy, and public health, as well as environmental issues as they relate to health outcomes – for example, the relationship between climate change and disease vector distribution. Knowledge of qualitative and quantitative methods integral to population-based science and human health/ecosystem health interconnections are preferred. Broad understanding of the global environmental health field and experience undertaking environmental health research in a developing country setting are essential.

The successful applicant is expected to lead the multi-disciplinary Global Environmental Health signature research initiative at DGHI (<http://globalhealth.duke.edu/>). He/she should have a nationally recognized, externally funded research program and relevant experience with the administrative components of research programs, and will be expected to contribute to relevant teaching programs. There are numerous opportunities for interdisciplinary collaboration within the Nicholas School and DGHI, as well as with multiple other academic units across the university. Consideration of applications begins June 1, 2008 and continues until the position is filled.

Send letter of interest, curriculum vitae, a one to two page summary of research and teaching plans, relevant papers and publications, and three references to Chair, Global Environmental Health Search Committee, Nicholas School of the Environment, Box 90328, Duke University, Durham, NC 27708-0328.

Duke University is an Equal Opportunity/Affirmative Action Employer.

NW130286R



The M.U.R.D.O.C.K. Study

A major initiative of the Duke Translational Medicine Institute, the Measurement to Understand Reclassification of Disease of Cabarrus/Kannapolis (M.U.R.D.O.C.K.) Study serves as a foundation for the research getting underway at the North Carolina Research Campus in Kannapolis, North Carolina. Through a generous gift from Mr. David H. Murdock, owner of Dole Foods, Inc., the study brings together the multidisciplinary expertise of clinicians, scientists, bioinformaticists, healthcare providers, and many others from Duke University, the local communities, and other universities in a highly collaborative campus environment to participate in this unprecedented research opportunity.

In the study's first horizon, molecular and imaging data will be generated and analyzed to reclassify diseases—such as cardiovascular disease, hepatitis C, osteoarthritis, and obesity—using the state-of-the-art Core Laboratory and world-class technologies being placed at the North Carolina Research Campus. The unique, integrative data set that emerges will both require and facilitate the development of novel informatics methodologies.

In addition to a high-performance computing environment, researchers will have access to a wide variety of resources and expertise for genomics, proteomics, metabolomics, imaging, microscopy, analytical chemistry, and clinical chemistry. Researchers involved with the M.U.R.D.O.C.K. Study and the North Carolina Research Campus thus will be able to validate newly generated hypotheses using an array of technologies and populations. In addition, these data will enable translation back into pathway analysis for fundamental understanding of the mechanisms of health and disease. The analytical results of the M.U.R.D.O.C.K. Study will be translated into clinical trials for future prospective studies in the North Carolina region and beyond so that, ultimately, disease treatments will be tailored to improve health outcomes and transform the next generation of medical practice.

Opportunities for collaboration and employment are being explored.
For more information, please contact murdock-study@duke.edu.

Re-Writing the Textbook of Medicine



147 West Avenue
 Kannapolis, North Carolina 28081
 704.250.5850
www.dtmi.duke.edu

 Duke Translational Medicine Institute

NW129866R

2009 Grant Programs for Physician-Scientists

The Burroughs Wellcome Fund is an independent private foundation dedicated to advancing the biomedical sciences by supporting research and other scientific and educational activities.

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919.991.5100
www.bwfund.org

2009 Clinical Scientist Awards in Translational Research

Deadline: October 1, 2008
 \$750,000 over five years for established physician-scientists

Candidate must have an M.D. or M.D.-Ph.D. degree, hold an appointment or joint appointment in a subspecialty of clinical medicine, and hold a current license to practice medicine in the U.S. or Canada. Candidates must be academic investigators at the assistant professor or early associate professor level, holding a tenure-track or equivalent position at the time of application and present evidence of having established an independent research career.

2009 Career Awards for Medical Scientists

Deadline: October 1, 2008
 \$700,000 over five years for postdoctoral-faculty bridging support

Candidates should have a clinical degree. Proposals must be in the area of basic biomedical, disease oriented, translational, or molecular, genetic, or pharmacological epidemiology research. Proposals in reproductive science are encouraged. Health services research or large-scale clinical trials are ineligible. Candidates must have at least two years of research experience and be in a mentored position at the time of application. Candidates who have tenure-track faculty positions are ineligible.

For full guidelines and eligibility, visit www.bwfund.org.

NC STATE UNIVERSITY

Fruit & Vegetable Science Institute

NC Research Campus • Kannapolis, NC



The North Carolina State University Fruit and Vegetable Science Institute is part of an integrated effort across the North Carolina Research Campus to adapt emerging technologies for plant improvement and human health benefits. The Institute, which will be staffed by the N.C. State University College of Agriculture and Life Sciences, will develop a new generation of fruits and vegetables with superior nutritional and horticultural characteristics. Researchers will use the most advanced scientific tools to provide new insights into cellular processes, then translate these breakthroughs through genomics and plant breeding into plants with desired traits. The Institute offers an exciting opportunity to complement and expand the N.C. State University mission to benefit the social and economic well being of the people of North Carolina, the nation and the world.

The Institute will play a key role in the larger vision of David Murdock for the North Carolina Research Campus. Much of the work of faculty from other universities will focus on nutrition, determining optimal nutritional characteristics for various fruits and vegetables. College of Agriculture and Life Sciences faculty will work with this information to develop plants that meet nutritional requirements and will determine

how best to produce those plants commercially. Plant breeding will be a pivotal part of the effort. N.C. State University already has active breeding programs for blueberries, strawberries, brambles and sweet potatoes. In addition, the Institute will develop a breeding program for leafy vegetables such as lettuce.

The N.C. Research Campus offers state-of-the art facilities to determine protein structures that mediate growth, resistance and nutrient production, and for molecular imaging of cellular function. In addition, an agricultural research station is being constructed as part of the campus. The station will include more than 45,000 square feet of greenhouses and 100 acres of fields devoted to agricultural experiments.

The faculty positions N.C. State University is filling on the N.C. Research Campus are 12-month, 100% research, tenure-track positions. While located at the N.C. State Fruit and Vegetable Science Institute, the scientists who fill these positions will be part of a world-class team tenured with any of the College of Agriculture and Life Sciences departments to include Plant Biology, Genetics, Horticultural Science, Food Science, Plant Pathology and others.

Available Positions (Search Phase Completed)

- ▶ Leafy Vegetable Breeder - Assistant/Associate Professor
- ▶ Strawberry Breeder - Assistant/Associate Professor
- ▶ Applied Molecular Geneticist for Fruit and Vegetable Cultivar Development - Assistant/Associate Professor
- ▶ Postharvest Physiologist - Assistant/Associate/Full Professor

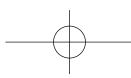
Hiring the Following Positions at All Levels (July 1, 2008 through June 30, 2009)

- ▶ Quantitative Geneticist
- ▶ Genomics, Systems Biologist
- ▶ (2) Phytochemists
- ▶ Plant Molecular Biologist, Pathway Engineering
- ▶ Metabolomics Scientist
- ▶ Plant Biochemist

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SPOTLIGHT ON NORTH CAROLINA AND RESEARCH TRIANGLE PARK

GROUNDBREAKING OPPORTUNITIES

at The David H. Murdock Research Institute



The David H. Murdock Research Institute (DHMRI) was established as a public charity to support groundbreaking research at the North Carolina Research Campus. Destined to be the catalyst of major scientific discoveries in health and nutrition, the DHMRI will offer capabilities ranging from next-generation DNA sequencing to cutting-edge confocal imaging and the world's first actively-shielded 950 MHz NMR. The DHMRI will be the first of its kind, housing this unique collection of state-of-the-art instrumentation in one central location.



With construction of the Core Laboratory building nearing completion, we are looking to hire full-time directors and technical staff for the Genomics, Metabolomics, Proteomics and Integrated Microscopy core laboratories. We will also be hiring directors and staff members to join the Information Technology and Bioinformatics teams.

Career opportunities available at www.DHMRI.org

DHM | RI

David H. Murdock Research Institute

109 WEST AVENUE, KANNAPOLIS, NORTH CAROLINA 28081

704 | 250 | 2600

www.DHMRI.org



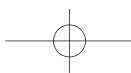
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North Carolina values science—and scientists agree it's one of the best places in the world to work and live. It's home to world-class research institutions including: Duke; Wake Forest; the University of North Carolina-Chapel Hill, North Carolina State University and the 14 other UNC-system universities; RTI International; the Hamner Institutes for Health Sciences; the National Institute of Environmental Health Sciences; and the Environmental Protection Agency. There's nowhere else in the world like North Carolina.

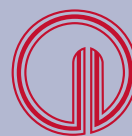
Biotechnology Works in North Carolina...

...wouldn't you like to?

- The North Carolina Biotechnology Center supports life science education, research, and commercialization statewide with:
 - Grant and loan programs
 - Intellectual-exchange programs
 - Centers of Innovation in marine biotechnology, natural biotechnology and integrative medicine, nanobiotechnology, and advanced medical technologies
- 2007 Nobel Laureate Dr. Oliver Smithies of UNC-Chapel Hill is one of 52 outstanding scientists recruited to the state so far with \$9.6 million in Biotechnology Center grants. He is the seventh scientist with strong North Carolina ties to win the Nobel Prize for chemistry, physiology or medicine since 1988
- About 150 bioscience patents are granted each year to our university and corporate scientists
- The Biotechnology Center encourages start-up companies with: low-interest loan programs; one-on-one consultations; networking events; and venture capital referrals
- North Carolina has 450 bioscience companies employing 55,000 people earning an average of \$70,000
- These bioscience companies include: 260 R&D companies; 93 contract research and testing companies; 97 production and manufacturing companies
- Opportunities also abound here at major bioscience companies, including GlaxoSmithKline, BASF, Bayer, Biogen Idec, Cardinal Health, Merck, Novartis, Novo Nordisk, Novozymes, Syngenta, Talecris and Wyeth



2007 Nobel Laureate Dr. Oliver Smithies
Recruited in 1987 with Biotechnology Center Faculty Recruitment Grant; Excellence Professor, University of North Carolina-Chapel Hill



**North Carolina
Biotechnology Center**

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