ASSOCIATE DEAN FOR RESEARCH
COLLEGE OF MEDICINE

The College of Medicine at the University of Central Florida in Orlando, Florida, invites applications and nominations for the position of Associate Dean of Research.

The University of Central Florida is a rapidly growing metropolitan research university with more than 56,000 students, an operating budget of $1.2 billion, extramural research funding of $133 million and the highest Carnegie research ranking. UCF is committed to innovative community partnerships, world-class research with local impact, and the integration of technology and learning.

The College of Medicine was established in 2006 and is one the newest medical schools in the nation. The college includes undergraduate and graduate programs in the broad field of biomedical sciences and biotechnology. The successful biomedical research program in the Burnett School of Biomedical Sciences is poised to expand with the addition of new biomedical research facilities at the new Lake Nona biomedical research, clinical, and education cluster in the southeastern region of Orlando. The college serves as an anchor for this innovative and rapidly growing Lake Nona Medical City, a complex of world class hospitals and leading edge research facilities including the Sanford-Burnham Institute for Biomedical Research.

Reporting to the Dean, the Associate Dean for Research serves as the chief officer responsible for establishing a world-class research enterprise at the College of Medicine, promoting investigator-initiated scholarship and facilitating opportunities to increase grants and contracts from external sources. The Associate Dean will facilitate basic science, translational, clinical, and medical education research within the college and promote interactions with other colleges, centers, and institutes within and outside of the university.

UCF seeks an accomplished scientist and a visionary research leader with a track record of building successful research programs. The successful candidate will possess an earned doctorate or equivalent terminal degree and credentials that merit appointment at the rank of professor with tenure. It is highly desirable that the candidate demonstrate proven academic accomplishments as reflected by significant funding and publications in scientific journals. Leadership experience, excellent written and oral communication skills, commitment to collaborative working relationships with various constituencies, strong support of diversity, and a global perspective for past and current trends in life science research is also desired.

Inquiries, applications, and nominations may be submitted electronically. The search committee chair is Dr. Peter Panousis, who may be contacted at ppanousis@ucf.edu. Applications will be accepted until the position is filled but should be submitted no later than July 31, 2011, in order to be assured of timely consideration by the committee. Application materials, including a letter indicating the applicant’s interest, experience and qualifications for the position, a curriculum vitae, and the names, addresses, telephone numbers and e-mail addresses of three references (who will not be contacted without permission) must be submitted electronically (MSWord strongly preferred) to:

Anne Zenzer, Senior Vice President, Witt/Kieffer
2015 Spring Road, Suite 510
Oak Brook, Illinois 60523
annez@wittkieffer.com 630/990-1370

UCF is an equal opportunity, affirmative action employer and especially encourages the candidacies of women, members of racial and ethnic minorities, and persons with disabilities. All searches and documents are subject to the Sunshine and public records laws of the State of Florida.
ADVANCING IN INDUSTRY: CHOOSING AMONG MANY PATHS

Researchers who opt for industry will have many career options from bench research to drug development to marketing and business planning. The key to success is being flexible and open to change as well as having a collaborative spirit. By Laura Bonetta

Yinges Yigzaw probably never envisioned a career in biotechnology as he was growing up in a rural part of Ethiopia. “The area was so remote the only technology I had experienced was a plane flying overhead,” says Yigzaw, who joined Amgen’s Seattle research facility in 2004, where he is currently a senior scientist in process and product development.

Having completed a Ph.D. at the University of Leuven, Belgium, and a postdoc at the University of Tennessee, what appealed to Yigzaw about working in industry was “to work on cutting-edge scientific innovations that directly apply to saving or improving patients’ lives,” he says. “In academia, the primary objective is to pursue an area of research and have a paper published. At Amgen, we apply that knowledge to solve a problem and determine the best therapeutic agents to treat human disease.”

The desire to apply research to a medical problem is a common refrain among scientists who have joined biotechnology or pharmaceutical companies. But to succeed in industry, that desire has to be coupled with flexibility and a willingness to collaborate and work in teams—skills that are not always promoted in an academic environment.

In addition to providing research careers, industry opens the door to other paths for Ph.D. scientists, such as in regulatory affairs, strategic planning, business development, or marketing. For those who find the right fit, a career in industry can be a very rewarding choice.

EMBRACING COLLABORATION...

The career trajectory for industry researchers typically consists of a series of promotions and recognitions, such as titles, awards, or pay raises, often accompanied by increased responsibilities overseeing increasingly larger research teams. When Jennifer Leeds first joined the Novartis Institutes for Biomedical Research in Cambridge, Massachusetts, in early 2003, she was hired as the head of an infectious disease lab. She rose through the ranks to her current job as the head of the antibacterial discovery group within the infectious diseases area, overseeing a team of over 30 biologists working in partnership with medicinal chemists. “I basically started out as the equivalent of a PI for a lab and grew to a section head or department chair,” she says.

Industry does not have a step comparable to tenure that beginning researchers can aspire to. “There isn’t one milestone where you can sit back and finally take a breath; in industry you are constantly evaluating the next career step,” says Leeds. “At the beginning, the challenge is that you have to learn to be an effective project leader and project team member. But then there are new challenges along the entire path.”

Success at Novartis is based on the quality of a scientist’s research, similar to an academic environment, but unlike academia the end goal is to bring a product forward. As a result, priorities in industry are slightly different. “You have to be at the forefront of science, but you also need to be a collaborative and team-oriented person,” says Leeds. “In academia it was historically frowned upon to have too many authors on a paper. In industry the most important thing is to get the best people to work with you on your team. Projects are more likely to succeed if you can capitalize on all the resources that are available to you.”

Another important factor in paving a successful career path in industry is networking with colleagues—and for a global company like Novartis that means plenty of travel. “I often travel to...continued”

UPCOMING FEATURES

- BS/MS Scientists: Careers in Bioprocess (online only)—July 15
- Annual Postdoc Survey—August 26
- Focus on Japan—September 2
our campus in Switzerland and spent four months there on a sabbatical. I have traveled to China and Taiwan as a representative of the Novartis Infectious Diseases program. I travel quite a bit to the campus in New Jersey. I also visited the site in Siena, Italy, where Novartis has a vaccine group,” says Leeds.

...AND FLEXIBILITY
A willingness to collaborate and work in teams means that researchers in industry have to share credit for research advances. “You have to pay less attention to personal achievement and more to what is rewarding for the team,” says Jeffrey Nye, head of external innovation in the neurosciences at Johnson & Johnson (based at the Titusville, New Jersey, facility).

Nye left a tenured faculty position at Northwestern University Medical School in Chicago for industry because he was “very excited about practical research applications and less interested in the personal glory associated with being first on a publication,” he says. The inability to work as part of a team and share credit is one major reason a researcher may not be successful in industry.

Another difficulty for some Ph.D.s in industry is having to be flexible and adaptable to change. In academia it is not unusual for a researcher to stick to the same line of research for decades, digging deeper and deeper into a particular mechanism or pathway. That generally does not happen in industry. A researcher in industry will have to let go of a project once it progresses from the research phase to clinical development. In addition, a project may be dropped if it is not yielding promising results or if the company’s business focus changes. A researcher may also be pulled to work on a different project to provide their particular expertise.

“You have to be attached to what you are working on, but the overall mission in industry is to bring new therapies to market, so you have to accept if that requires you to work on something else,” says Nye. “I have not found it difficult to follow business decisions because my interest at heart is to address big medical challenges.”

Flexibility and adaptability are particularly critical in startup companies. In these smaller companies researchers often play many different roles, which can change as the company grows and its mission evolves. “In biotech you have to adapt very easily—that is the fun part of the game,” says Sharon Shacham, chief scientific officer of Karyopharm Therapeutics in Natick, Massachusetts. “You will start with one project and as it moves to the clinic, you will need different skills, all of which you have to learn.”

In addition, startups are often fast-moving and unpredictable environments. To be successful, researchers have to be able to deal with the stress. “In a biotech company you typically have one product, or if you are lucky, two or three at most, so everything you do is live or die. You are constantly fighting for the life of your baby, so mentally it is more exhausting,” says Shacham. “In a big pharmaceutical company, if one project does not work you move on to another.”

MANY PATHS TO FOLLOW
Researchers who opt for a career in industry will find that there are many career paths for them to follow—more than would have been available in an academic environment. The choices range from research to medical development to business and commercial careers. The key is figuring out which path is the best suited to one’s own skills and aspirations.

For those interested in a research career, there are many levels or ranks in industry. Similar to academia, researchers who advance through several levels may consider a more managerial or strategic-planning position at some stage. “I spent most of my time in research with a science role and then moved to a more strategic role in the last couple of years,” says Mark Goulet who leads strategic operations for the global discovery and preclinical sciences organization at Merck Research Laboratories. “I was very happy running a chemistry department, but after a point in time I had the right experiences to take on larger things and think more broadly. You have to be ready to step up to be a good fit for what the company needs next.”

Goulet, who has been at Merck for 24 years, says that researchers in industry should expose themselves to different projects within the company and grow their expertise in different directions. “The attitude here is that Merck wants you to develop and take on more, keeping your eyes open for the best way to grow your career,” says Goulet. continued »
Senior and Associate Scientists in Biotechnology
Discovery and Development – Indianapolis and San Diego

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We are looking for several Senior and Associate level Scientists with expertise in molecular and cellular biology, protein chemistry, protein characterization, biophysical chemistry, protein formulation, PK/PD of biologics, biochemical engineering, protein purification process design and scale-up for biologics. To be considered for these positions, please visit www.lilly.com/careers and search for opportunities in science.
REEVALUATING OPTIONS

Industry researchers are often faced with the option of staying in basic research and development or moving into the more clinical side of the business. Nye, who obtained both an M.D. and Ph.D. degree, rose from being a team leader for a discovery group in charge of nine research labs to heading clinical phase III trials for a blockbuster anticonvulsant drug and an Alzheimer’s therapy to then becoming chief medical officer and head of early development for a research and early development organization.

Nye then moved to his current position as head of external innovation for neuroscience. “My job now is to recognize great science and to give advice and direction to the company to make investment decisions,” he explains.

To be successful in industry, researchers have to demonstrate the ability to lead teams, to be great communicators, and to be trusted by others, in addition to doing great science, says Nye. “In industry we are so reliant on each other that we have to be able to trust one another,” he explains.

Networking skills and having good mentors are also key. Most companies have formal mentoring programs in place, but Nye recommends that researchers be proactive at finding their own mentors in different areas of the company.

MOVING TO THE COMMERCIAL SIDE

Some researchers move away from bench research to take on a commercial role in marketing, finance, or business development. “Business development is a good career for someone with a degree in science and an interest or training in business,” says James Sabry, vice president of partnering business development at the South San Francisco-based company, Genentech. “Going to business school is the fastest way to get a business education. At Genentech two-thirds to three-quarters of people in the business development unit have an MBA.”

Sabry himself never attended business school. However, after obtaining his M.D. and Ph.D. degrees he founded and served as chief executive officer (CEO) of a company, and later did a stint as CEO of another. Doing business development in a startup has some advantages for someone who is just starting out in this career path, according to Sabry. “You will have two to three people in the business unit of a company with 30 people, so you will know everything that is going on in the lab and you will see the CEO every day. You will get a very good education if it’s a good company,” he says.

On the other hand, a startup may not have an established mentorship program as in a larger company like Genentech, so the positions are more risky in terms of career development. “Another disadvantage is that the work in a startup is less varied,” adds Sabry. “At Genentech you can work on a wide variety of business deals, whereas at a startup you will more likely focus on just one for a long time.”

There are many routes to advancement for Ph.D.s who switch over to a career in business development. “Some people love doing contracts and sealing in deals and stay in those types of jobs; others want to follow more management-style tracks and advance up the ladder in that way,” says Sabry.

TAKING INITIATIVE FOR YOUR CAREER

Strategic planning and marketing are additional routes within the business world for researchers to take. Many companies value the scientific knowledge Ph.D. scientists bring to the job. “Customers like to speak to someone who understands the science,” says Andy Last, chief commercial officer at Affymetrix.

“You don’t have to be an expert in every pathway or structure, but you need to stay on top of the science and keep current with trends and market drivers. As you progress along the business hierarchy, you will also have to acquire more strategic and leadership skills,” added Last, who is responsible for the entire product mix and roadmap for Affymetrix.

Shortly after obtaining his Ph.D., Kevin Cannon found a position in product development at Monsanto. After working at several other companies, he has risen through the ranks to vice president of strategic marketing at Affymetrix. He says that some of the questions that a person working in marketing has to tackle—such as identifying unmet needs in a particular market, what the company can offer, and what the value is for a particular technology—are as challenging as doing research. “You have to formulate hypotheses and investigate. If I say in the next five years nanotechnology will take over, I will need to justify why that is, determine unmet needs, and propose what Affymetrix can bring to that new market landscape,” he explains.

A typical career trajectory for someone in marketing is to start as a product manager and then move up to senior product manager to the director level and then on to vice president and beyond. Advancement not only depends on doing your work well, “but it’s also about flexibility, the willingness to try something new, and being open to change,” says Cannon, who heads up the RNA gene expression side of Affymetrix product lines.

But advancement is not guaranteed—people have to carve out their own paths to make sure they end up where they want to be. For example, someone who wants to be given more responsibility or to branch out in a new area should approach his or her manager with the idea. “Most academics are not trained to ask for things,” he adds. “But you have to manage your own career; you can’t let the system manage it for you.”

Of course taking initiative for one’s career is a recommendation that applies not only to those embarking on business path but to any career choice. With adequate planning and consideration, Ph.D. scientists can find a rewarding future in industry—one that is perfectly tailored to their skills and aspirations.

Laura Bonetta is a scientist turned freelance writer based in the Washington, D.C., area.

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ContraFect Corporation, a New York-based biotechnology company, is building its scientific team.

Under the leadership of Dr. Robert Nowinski—developer of blockbuster drugs Cialis and Tobi and founder of the four public companies Icos, Genetic Systems, PathoGenesis, and VaxGen—we are committed to developing treatments for the most virulent and resistant microorganisms, such as S. aureus and influenza.

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ContraFect Corporation is an equal opportunity employer.
We recognize the power and importance of a diverse employee population and strongly encourage applicants with various experiences and backgrounds.
Faculty Position in Infectious Diseases of the Nervous System

The Virginia Tech Carilion Research Institute (VTCRI) in Roanoke, Virginia (http://research.vtcr.edu) is recruiting a faculty member working in the area of the molecular biology of infection and/or inflammation in the nervous system. The position may be filled at the Assistant, Associate or full Professor level. The successful candidate will have an M.D./Ph.D. Established investigators with strong innovative research programs and extramural funding are encouraged to apply although promising junior candidates will be considered. Start-up packages, facilities and support are highly competitive. The successful candidate will concentrate primarily on her/his research program but also spend some time (20-30%) in related clinical activities. The VTCRI that opened in the summer of 2010 and has 12 research teams with over 30 active research grants is in the process of recruiting an additional 15-20 research teams. The Institute has state-of-the-art facilities in optical, high field electron and magnetic resonance imaging, as well as molecular biology, virology, electrophysiology, computational and high capacity data analysis/storage and rodent/human behavior facilities. During this period of major growth of the new Institute, we are especially interested in colleagues who enjoy a highly collaborative environment and interacting with scientists and clinicians from their own, as well as other disciplines including those working at molecular, engineering, computational and behavioral levels with animal models and/or humans. Investigators using molecular virology, genetic engineering and cell biological approaches to study interactions between pathogens and the peripheral and/or central nervous system in animal models and/or humans throughout the lifespan are encouraged to apply.

The VTCRI is immediately adjacent to the Carilion clinic and hospital and the new VTC School of Medicine where all medical students carry out 3-4 year research projects. The Institute has strong collaborative ties with the Virginia Bioinformatics Institute and the School of Biomedical Engineering and Sciences at Virginia Tech (VT), as well as with the VT Departments of Biological Sciences, Biochemistry, Physics, Psychology and the Department of Pathobiology and Biomedical Sciences in the College of Veterinary Medicine. The research institute and medical school are located in the picturesque Roanoke Valley midway between Washington, DC and Charlotte, NC. Interested and competitive candidates should send a cover letter, their full CV, statement of research interest, publication list and plan, curriculum vitae, detailed summary of current and proposed research, and arrange for three letters of recommendation, and the names, full addresses and email addresses of three references to the attention of: ID Position-VTCRI at secastle@vtcr.edu before July 25, 2011, as well as posting these materials on the Virginia Tech jobsite at http://www.hr.vt.edu/employment/ under position #0110523. The three support letters should also be sent by email directly from the referees to Sarah Castle at secastle@vtcr.edu indicating ID Position.

Virginia Tech is an equal opportunity/affirmative action employer.

FACULTY POSITION
RIKEN BRAIN SCIENCE INSTITUTE

The RIKEN Brain Science Institute (BSI) is seeking outstanding neuroscientists for tenure-track Team Leader positions (equivalent to U.S. Assistant or Associate Professor) and for a tenured Senior Team Leader position (equivalent to U.S. Full Professor) to investigate the brain. We encourage applications from all disciplines of neuroscience, but we are particularly interested in investigators who study basic mechanisms of brain function at the molecular, cellular, circuit and/or systems levels that may allow current or future advances in the elucidation and treatment of brain disease. We also welcome applications from researchers who are developing and using innovative approaches to study higher cognitive brain function.

Candidates for the Team Leader positions should have demonstrated the potential to develop an original, significant, and independent research program of global excellence, while candidates for the Senior Team Leader position should be one of the world leaders in her/his research field. RIKEN is located near the international metropolis of Tokyo, Japan and provides excellent support for native English-speaking investigators and global interactions in neuroscience. RIKEN Brain Science Institute is an Equal Opportunity Employer. Applications of women are strongly encouraged.

Applicants should submit a cover letter briefly summarizing their research program and plan, curriculum vitae, detailed summary of current and proposed research, and arrange for three letters of recommendation, to be sent to:

Search Committee, RIKEN Brain Science Institute
2-1 Hirosawa, Wako, Saitama 351-0198, Japan
Fax: +81-48-467-9683, E-mail: search2011@brain.riken.jp
http://www.brain.riken.jp

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Director, Vaccine Research Program

The National Institute of Allergy & Infectious Diseases (NIAID) is seeking an exceptional and visionary leader to take on the dual role of the assistant director for HIV vaccine research, NIAID, and the director, Vaccine Research Program (VRP), in the Division of AIDS.

The VRP director is responsible for planning, implementing, and directing a global research program of grants and contracts for the discovery, development, and clinical testing of candidate vaccines for the prevention of HIV infection. The VRP director provides oversight to approximately 30 federal employees and 22 on-site contractors within the Office of the Director and two scientific branches. The VRP director formulates an overall scientific agenda for the development and clinical testing of preventive vaccines, recommends resource allocation among competing initiatives, and continually assesses and reorients program activities and priorities to be responsive to changing research needs or redefined policies. In addition, the VRP director serves as the division lead liaison with a number of critical partnerships that have been designed to increase the global harmonization and coordination of HIV vaccine research between all internal and external stakeholders.

The incumbent also serves as the assistant director for HIV vaccine research and reports to the NIAID director. The responsibilities of this position include 1) advising the director on all aspects of the NIAID HIV/AIDS vaccine research and development effort for the purpose of ensuring a well-coordinated, seamless program; 2) representing the director in activities and discussions related to planning, implementing, conducting, and evaluating NIAID's overall HIV/AIDS research and development program; 3) serving as liaison between extramural components of NIAID and the joint NIAID/National Cancer Institute intramural vaccine center; 4) representing the director in interactions with relevant constituencies and the media; and 5) maintaining ongoing relationships with relevant individuals and groups to further the HIV/AIDS vaccine-related mission of NIAID.

QUALIFICATIONS: Applicants must possess a Ph.D. or equivalent degree in a biomedical science. In addition, the candidate must have demonstrated skills in 1) working both independently and collaboratively in planning, organizing, and conducting vaccine research (HIV vaccine research is a plus); 2) serving effectively in research program administration, and 3) effective communications and collaborations. Competitive candidates will be widely respected by their peers for their scientific and managerial or executive accomplishments and expertise.

APPLICATION PROCESS: Provide curriculum vitae, bibliography, and a three-page summary explaining 1) your vision for HIV vaccine research; 2) your reasons for being interested in the position; and 3) the specific leadership skills and experience you would bring to the HIV/AIDS research programs at NIAID. Submit application package to Mr. Robert Gulakowski, Office of the Director, DAIDS, NIAID, 6700-B Rockledge Drive, Room 4143, Bethesda, MD 20892-7620, and reference announcement number DAIDS-11-02.

The deadline for receipt of applications is August 15, 2011. Direct any inquiries to Mr. Gulakowski at rgulakow@niaid.nih.gov or 301-496-0545. All information provided by applicants will remain confidential and will be reviewed only by authorized NIAID officials.

The successful candidate will be appointed under the Title 42(f) authority at a salary commensurate with experience. The maximum annual base salary is $200,000, with a maximum total annual compensation limit of $230,000. A full package of benefits is also available, including retirement; health, life, and long-term care insurance; annual and sick leave; and a thrift savings plan (401K equivalent). This position is subject to public financial disclosure requirements.

To learn more about NIAID and how you can play a role in this exciting and dynamic research organization, visit us on the Web at www.niaid.nih.gov/careers/ivy.
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Department of BIOCHEMISTRY

We are seeking candidates at the Professor or Associate Professor level, with expertise in the broad area of Structural Biology, with a specific interest in its application to drug discovery. Research areas that encompass chemical or structural (X-ray, NMR or cryo-EM) analysis of macromolecular complexes, structure-based drug design, or chemical biology will be considered. In addition to the Robert A. Welch Distinguished University Endowed Chair, significant resources from the UT STARS fund and the Cancer Prevention and Research Institute of Texas (CPRIT) will be sought for qualified candidates to enhance the recruitment package. The Chair will occupy newly renovated space in a Department of 24 primary and 15 cross/adjunct-appointed faculty, with research interests spanning the fields of enzymeology, signaling, transcriptional regulation, neuroscience, cancer, membrane and organelle biology and intercellular communication (http://www.biochem.uthscsa.edu/). There is a significant structural biology focus within the department that is supported by extensive state-of-the-art core facilities in X-ray, NMR, Mass Spectrometry, Analytical Ultracentrifugation, Surface Plasmon Resonance, Calorimetry/ Spectrophotometry and Protein Purification. San Antonio is the 7th largest city in the U.S. with a beautiful, historical downtown area featuring the Riverwalk with its diverse entertainment and many fine restaurants. UTHSCSA is located northwest of downtown San Antonio in the South Texas Medical Center, gateway to the scenic Texas Hill Country, with its many recreational opportunities and boutique wineries. UTHSCSA consists of five schools, including a Medical School, Graduate School of Biomedical Sciences, Dental School, School of Nursing and School of Health Professions.

If interested, Please submit a Curriculum Vitae, description of research interests, list of four referees and a cover letter to Dr. Bruce J. Nicholson, Chair of Biochemistry, MSC 7760, UTHSCSA, 7703 Floyd Curl Dr., San Antonio, TX 78229-3900 or by e-mail c/o Esther James at jamese@uthscsa.edu. Review of applications will proceed until the position is filled.

The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer. All faculty appointments are designated as security-sensitive positions.

The University of Medicine and Health Sciences is a premier, for-profit boutique off shore medical school located on the exotic Caribbean Island of St. Kitts. Our ocean front state of the art campus is comparable to the best medical schools in the United States. We maintain small classes and provide personalized education catering to the individual needs of the students. To date we have invested over 50 million dollars into our campus facilities and infrastructure. We are seeking the following full time faculty:

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Preference will be given to candidates who have a minimum of 4 years experience teaching in a U.S. or Canadian medical school. Candidates must have a minimum of an earned PhD in their discipline. Candidates additionally holding an M.D. degree will be given preference. Salaries and benefits are competitive and commensurate with experience. A significant portion of the salary is offered tax free.

Candidates should forward their CV’s and cover letter to: hr@umhs-sk.net

For further details about

The University of Medicine and Health Sciences

For further details about our university please visit www.umhs-sk.org

UMHS

EDUCATING THE NEXT
GENERATION OF PHYSICIANS

Geisinger Health System (GHS) is seeking candidates for the Director of Genomic Medicine Research at Geisinger Medical Center (GMC) in Danville, PA.

The Director will have the ability to build genomic medicine research, including a broad program of translational, clinical, and health services research with an emphasis on research leading to improved clinical outcomes. The Director will develop a research group to leverage clinical population of GHS and the advanced Electronic Medical Record (EMR) and data warehouse resources. Candidates may be laboratory-based, translational or population/health services researchers.

Requirements for this position:
- PhD or MD or equivalent degree
- Demonstrated accomplishment in genomic/genetic research
- Proven Leadership abilities

The acquisition of new knowledge that will improve the diagnosis, treatment, cure, and prevention of disease is an integral part of Geisinger Health System’s mission. To learn more visit www.geisinger.org/research.

Geisinger Health System serves nearly three million people in Central and Northeastern Pennsylvania and has been nationally recognized for innovative practices and quality care. A mature electronic health record connects a comprehensive network of 2 hospitals, 38 community practice sites and nearly 800 Geisinger primary and specialty care physicians.

For more information contact: David Ledbetter, PhD, EVP/Chief Scientific Officer c/o Cynthia Bagwell, VP Talent Acquisition, Geisinger Health System, 800.845.7112 or cbagwell@geisinger.edu.

The Department invites applications for an Assistant Professor in Viticulture and Assistant Systems Biologist in the Agricultural Experiment Station. We seek to hire a systems biologist who will develop a vigorous externally funded research program to study economically significant traits in *Vitis* cultivars, such as those related to ripening and flavor development and/or disease resistance.

A Ph.D. in Plant Biology, Plant Science, or related discipline is required with experience in genomic, proteomic, and/or metabolomic tools, and a willingness to focus on the *Vitis vinifera* system, as well as translation of that research to stakeholder groups. Undergraduate and graduate instruction that contributes to existing degree programs is expected. Selection will be based on demonstrated ability to conduct independent research, a commitment to effective teaching and extension, and excellence in communication.

Applicants should submit online at https://recruitments.ucdavis.edu/. See the posting for full details. The position is open until filled; but to assure full consideration, applications should be completed no later than September 30, 2011, for a targeted start date of January 1, 2012.

UC Davis is an Affirmative Action/Equal Employment Opportunity Employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.
THE MAX PLANCK SOCIETY (MPG) and the KwaZulu-Natal Research Institute for Tuberculosis and HIV (K-RITH) intend to establish a Research Group in the area of Tuberculosis/AIDS at the K-RITH in Durban, South Africa.

Applications are invited for the Key Investigator position. The successful candidate should be early in her/his successful scientific career, and highly motivated to develop and pursue an internationally competitive research program in:

- human immunology of TB and/or AIDS
- molecular genetics of Mycobacterium tuberculosis and/or HIV
- cell biology of TB and/or AIDS.

Aside from the scientific activities, responsibilities comprise supervision of students and technicians, contribution to high-ranking publications, representation and conferencing. Strong and sustainable collaborative links shall be developed to the research groups within K-RITH and the Nelson R Mandela School of Medicine, as well as to the Max Planck Institute for Infection Biology in Berlin, Germany.

The position’s salary is highly competitive according to local standards. Additional funds will be allocated for personnel, research supplies and equipment.

Initial appointment will be 5 years with possibility of extension after favourable external independent evaluation.

Applications should include a CV, list of publications with reprints of three selected papers, description of scientific achievements, a two-page research plan and two letters of recommendation. Deadline for application is July 8, 2011.

Successful applicants should be prepared to join a selection symposium held in Durban, South Africa, on August 23/24, 2011.

For further information and detailed application instructions see http://mpg.de/mpgrl/krith

THE FACULTY OF BIOLOGY AND MEDICINE OF THE UNIVERSITY OF LAUSANNE, SWITZERLAND AND THE UNIVERSITY MEDICAL CENTRE OF LAUSANNE (CHUV) INVITE APPLICATIONS FOR THE POSITION OF

FULL PROFESSOR
DIRECTOR OF MEDICAL GENETICS

The core of Medical Genetics in Lausanne is a Service within the University hospital that provides clinical diagnosis, genetic counselling, cytogenetic and molecular analyses, as well as translational research. Attached to the Service is a UNIL Research Department that pursues more basic research.

Lausanne boasts an internationally renowned, highly dynamic and diverse research community with areas of excellence in both clinical and basic science. The CHUV is among the largest University hospitals in Switzerland and a tertiary care centre for a population of over a million people. It has strengths in numerous fields including, among others, metabolism, including general metabolism and inborn errors of metabolism, microbiology, immunology and oncology, that bridge basic and clinical research. Large genetic studies that focus on cardiovascular, metabolic, psychiatric and infectious diseases are ongoing at the CHUV. Centres of excellence in basic sciences include the Centre for Integrative Genomics, the Department of Ecology and Evolution, the Centre for Immunology and Infection and a newly designated Cancer Centre, the product of a joint venture between the UNIL, the CHUV and the Swiss Institute of Technology of Lausanne (EPFL). The Service and the Department of Medical Genetics have access to all of the core facilities of the UNIL, including outstanding genomics, proteomics and imaging facilities, as well as to the Swiss Institute of Bioinformatics (SIB) that coordinates bioinformatic research and education throughout Switzerland and that provides high quality computational biology. Access is also available to the Centre of Phenogenomics, a state of the art platform within the EPFL that combines the capacity to generate and analyze rodent models of disease in high throughput fashion. Accordingly, the newly appointed Director of Medical Genetics will benefit from a broad network of resources and collaborators with a common interest in genetics, genomics and bioinformatics.

The successful candidate will be an MD and/or PhD with an outstanding scientific track record in the field of medical genetics and extensive leadership experience. His/her mission will be: 1) to develop Medical Genetics at the CHUV into a Centre that will lead the effort in deciphering the genetic basis of both rare and common human conditions and guide clinicians toward integrating the corresponding knowledge to improve the diagnosis, treatment and prevention of human diseases and 2) to use the wealth of available technological and intellectual resources in Lausanne to develop a competitive research and development programme in human genetics.

The job description as well as a description of Medical Genetics at the University and the University hospital of Lausanne are available on the Internet site www.unil.ch/fbm/page64812.html

Further information may be obtained from Prof. Ivan Stamenkovic (Ivan.Stamenkovic@chuv.ch), chairman of the search committee.

Applicants should send their curriculum vitae, a copy of their diplomas, a list of publications in which the five most significant ones are identified, a description of present and future research interests, past and current funding, and complete postal and e-mail addresses of three reference persons before September 30th, 2011 to Prof. Patrick Francioli, Dean of the Faculty of Biology and Medicine, rue du Bugnon 21, 1011 Lausanne, Switzerland.

The University of Lausanne wishes to promote the access of women to academic careers and encourages applications from women.
Faculty Position in Lifespan Cardiovascular or Cerebrovascular Science

The Virginia Tech Carilion Research Institute (VTCRI) in Roanoke, Virginia (http://research.vtc.vt.edu/) is recruiting a faculty member working in the area of cardiovascular or cerebrovascular function in health and disease throughout the lifespan. The position may be filled at the Assistant, Associate or full Professor level. The successful candidate will have a Ph.D. (or M.D./Ph.D. or D.V.M./Ph.D.) and postdoctoral training experience. Established investigators with strong innovative research programs and extramural funding are encouraged to apply although promising junior candidates will be considered. Start-up packages, facilities and support are highly competitive. The VTCRI that opened in the summer of 2010 and has 12 research teams with over 30 active research grants is in the process of recruiting an additional 15-20 research teams. The Institute has state-of-the-art facilities in optical, high field electron and magnetic resonance imaging, as well as molecular biology, electrophysiology, computational and high capacity data analysis/storage and rodent/human behavior facilities. During this period of major growth of the new Institute, we are especially interested in colleagues who enjoy a highly collaborative environment and interacting with investigators from their own, as well as other disciplines including those working at molecular, engineering, computational and behavioral levels with animal models and/or humans. Investigators using genetic and/or imaging approaches to study cardio- or cerebrovascular function and/or its neural regulation are encouraged to apply.

The VTCRI is immediately adjacent to the Carilion clinic and hospital and the new VTC School of Medicine where all medical students carry out 3-4 year research projects. The Institute has strong collaborative ties with the Virginia Bioinformatics Institute and the School of Biomedical Engineering and Sciences at Virginia Tech (VT), as well as with the VT Departments of Biological Sciences, Biochemistry, Physics, Psychology and the College of Veterinary Medicine. The research institute and medical school are located in the picturesque Roanoke Valley midway between Washington, DC and Charlotte, NC.

Interested and competitive candidates should send a cover letter, their full CV, statement of research plans, and the names, full addresses and email addresses of three references to the attention of: CV position-VTCRI at secastle@vtc.vt.edu before July 25, 2011, as well as posting these materials on the Virginia Tech jobsite at http://www.hr.vt.edu/employment/ under position #0110518. The three support letters should also be sent by email directly from the referees to Sarah Castle at secastle@vtc.vt.edu indicating CV Position.

Virginia Tech is an equal opportunity/affirmative action employer.
Tannounces the opening of a faculty position in biomedical informatics. The level of the faculty includes translational medicine, knowledge management, public health surveillance, bioinformatics, and functional genomics. Harvard Medical School and its affiliated institutions. Current research interests of narrative activities in biomedical informatics among researchers at Harvard carry out an outstanding independent research program as well as to independently lead their own research groups. NTU has attracted high caliber faculty and researchers to its ranks and will continue to consolidate its world-level teams in these areas.

We invite you to be a part of this through the Nanyang Assistant Professorship.

Applications now open for submission* till Saturday, 1 October 2011, 11:59 P.M. (UTC / GMT +8:00)

* Kindly note that only online applications will be accepted.

For enquiries, please email us at: NanyangProfessorship@ntu.edu.sg

http://www.ntu.edu.sg/NAP

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**FACULTY POSITION**

The Center for Biomedical Informatics at Harvard Medical School

The Center for Biomedical Informatics at Harvard Medical School announces the opening of a faculty position in biomedical informatics at the level of Instructor or Assistant Professor. The goal of the Center is to carry out first-rate research while promoting and facilitating collaborative activities in biomedical informatics among researchers at Harvard Medical School and its affiliated institutions. Current research interests of the faculty include translational medicine, knowledge management, public health surveillance, bioinformatics, and functional genomics.

We seek scientists who combine exceptional quantitative skills and methodological insights with a deep knowledge of biology or medicine to carry out an outstanding independent research program as well as to collaborate with colleagues in the biological and medical sciences in the Harvard Medical area. The search committee is interested in candidates with a strong record in one or more areas of biomedical informatics research, e.g., personalized medicine, comparative effectiveness research, population science, clinical decision support, translational science, or other related areas.

The applicant should hold a PhD or MD/PhD, or equivalent, with relevant research training and a demonstrated record of excellence in research. The successful candidate will be located at the Center for Biomedical Informatics on the Harvard Medical School campus and will have an academic appointment in a biomedical department of Harvard Medical School.

Applicants should submit a Curriculum Vitae, three letters of reference (addressed to Dr. Alexa T. McCray), and a letter of interest, including a summary of current and future research programs. All materials should be emailed to Ms. Barbara Martin (Barbara_Martin@hms.harvard.edu). Formal review of applications will begin on September 1, 2011. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

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**About Nanyang Technological University**

NTU is ranked among the top 1% universities globally and the youngest university of the Top 100 ranked in the Quacquarelli Symonds World University Rankings 2010.

From 1 July 2011, Prof Bertil Andersson will take up the role of NTU’s President and will lead on key global themes that will greatly impact the 21st century, including sustainability; water and environmental life science and engineering; earth science; clean energy; neuroscience; biomedical structural biology; Asian culture and economics; cultural intelligence; linguistics; and interactive digital media. Prof Andersson was the Chairman of the Nobel Prize for Chemistry in 1997 and the Chief Executive of European Science Foundation (2004-2007).

NTU is launching the Lee Kong Chian School of Medicine, Singapore’s newest medical school in partnership with Imperial College London to meet the demand of the 21st century healthcare and introduce innovations to medical research in Singapore.

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**Full/Associate Professor Positions**

State Key Laboratory of Reproductive Medicine, Nanjing Medical University

The State Key Laboratory of Reproductive Medicine (SKLRM) at Nanjing Medical University was approved for construction in 2011. Now we sincerely invite applications for full-time faculty positions, at academic ranks of Associate or Full Professor. Individuals with demonstrated accomplishments in, but not limited to, the following areas are encouraged to apply: reproductive biology, reproductive endocrinology, reproductive pathology, reproductive toxicology and reproductive epidemiology.

SKLRM’s major research orientations cover the following: (1) mechanisms of gametogenesis and maturation, (2) environment - gene interaction effects on gametogenesis, (3) infertility and maternal and child health, and (4) molecular mechanisms of reproductive-related diseases. At present, SKLRM has established a series of excellent platforms including proteomic platform, gametes and embryo operation platform, platform for detection of environmental endocrine disruptors, etc. In addition, our laboratory was also equipped with AAALAC accredited SPF animal facility, which could support the functional analysis of transgenic and knockout animals. Highly competitive research support will be provided in a rigorous and stimulating environment. Individuals will have an opportunity to establish a state-of-the-art independent research program in newly renovated space and to get startup research funds. More information can be found at http://reprod.njmu.edu.cn/keylab/.

Interested individuals, regardless of their nationalities, should submit a detailed letter of interest, curriculum vitae, PDFs of three of their best publications, and two letters of recommendation to: Jiahao Sha Ph.D. (shajh@njmu.edu.cn) or Ran Huo Ph.D. (huoran@njmu.edu.cn), State Key Laboratory of Reproductive Medicine, Nanjing Medical University, 140 Hanzhong Road, Nanjing, Jiangsu 210029, China. The positions are available immediately. Applications will be evaluated by faculty search committee upon receipt until the positions are filled.
INL – International Iberian Nanotechnology Laboratory (INL), based in Braga (Portugal), is the first fully international research organization in Europe in the field of nanoscience and nanotechnology. As part of a collaboration with the Massachusetts Institute of Technology, the INL is currently seeking candidates for two Group Leader positions. The first position will focus on research in the area of biological approaches to templated self-assembly and nanopatterning. The second position is in the area of graphene-based nanoelectronic devices and sensors at INL.

Candidates with outstanding CVs and demonstrated excellence in these scientific topics will be especially considered. INL welcomes applicants with previous academic or industrial laboratory experience (at least 5 years of Postdoctoral experience), an interdisciplinary research track record and availability for temporary relocation between Massachusetts (US) and Braga (Portugal). The start-up package and remuneration scheme is in line with those offered by other International Organizations and according to candidate experience and background. Applicants should forward the application materials indicated to the INL directly, with a copy to quantum-assistant@mit.edu.

The detailed position announcement can be found here:

INL-MIT-2009-03 30 - Nanotemplating of Biomolecular Structures (Senior and Junior Researcher, All Countries)

INL-MIT-2009-02 29 - Graphene Based Nanoelectronic Devices (Senior and Junior Researcher, All Countries)
The Virginia Tech Carilion Research Institute (VTCRI) in Roanoke, Virginia (http://research.vtc.vt.edu/) is recruiting a faculty member working in the area of the biology of aging, neurodegeneration and/or regeneration. The position may be filled at the Assistant, Associate or full Professor level. The successful candidate will have a Ph.D. (or M.D./Ph.D. or D.V.M./Ph.D.) and postdoctoral training experience. Established investigators with strong innovative research programs and extramural funding are encouraged to apply although promising junior candidates will be considered. Start-up packages, facilities and support are highly competitive. The VTCRI that opened in the summer of 2010 and has 12 research teams with over 30 active research grants is in the process of recruiting an additional 15-20 research teams. The Institute has state-of-the-art facilities in optical, high field electron and magnetic resonance imaging, as well as molecular biology, electrophysiology, computational and high capacity data analysis/storage and rodent/human behavior facilities. During this period of major growth of the new Institute, we are especially interested in colleagues who enjoy a highly collaborative environment and interacting with investigators from their own, as well as other disciplines including those working at molecular, engineering, computational and behavioral levels with animal models and/or humans. Investigators using genetic and/or imaging approaches to study the aging brain and cognitive function including discovery of biomarkers and/or interaction with the immune or endocrine systems are encouraged to apply. The VTCRI is immediately adjacent to the Carilion clinic and hospital and the new VTC School of Medicine where all medical students carry out 3-4 year research projects. The Institute has strong collaborative ties with the Virginia Bioinformatics Institute and the School of Biomedical Engineering and Sciences at Virginia Tech (VT), as well as with the VT Departments of Biological Sciences, Biochemistry, Physics, Psychology and the College of Veterinary Medicine. The research institute - medical school complex is located in the picturesque Roanoke Valley midway between Washington, DC and Charlotte, NC.

Interested and competitive candidates should send a cover letter, their full CV, statement of research plans, and the names, full addresses and email addresses of three references to the attention of: Aging position-VTCRI at secastle@vtc.vt.edu before July 25, 2011, as well as posting these materials on the Virginia Tech jobsite at http://www.hr.vt.edu/employment/ under position #0110521. The three support letters should also be sent by email directly from the referees to Sarah Castle at secastle@vtc.vt.edu indicating Aging Position. Virginia Tech is an equal opportunity/affirmative action employer.
2011 NOMINATIONS NOW OPEN

The BBVA Foundation Frontiers of Knowledge Awards are intended to recognize basic research and creative work of excellence, as embedded in theoretical advances, models and fundamental perspectives for an improved understanding of the natural, social and artificial or technological worlds, technological innovations and developments, and the creation of outstanding works or new artistic or interpretative styles in contemporary classical music. Awards also go to significant achievements that advance our understanding or deliver material progress with regard to two key challenges of the global society of the 21st century: climate change and development cooperation.

Categories

- Basic Sciences (Physics, Chemistry, Mathematics)
- Biomedicine
- Ecology and Conservation Biology
- Information and Communication Technologies
- Economics, Finance and Management
- Contemporary Music
- Climate Change
- Development Cooperation

Award content

Awards in each category will comprise €400,000 prize money, a diploma and a commemorative artwork.

Nominations

Nominations can be made by institutions and organizations working in the knowledge areas covered in each category.

Closing date

The closing date for submissions is June 30, 2011.

More information: www.fbbva.es/awards · awards-info@fbbva.es

Canadian Young Investigator Award

The recipient of the 2011 Boehringer Ingelheim Canadian Young Investigator Award in Biological Sciences is:

Gavin Y. Oudit, MD, Ph.D.
Assistant Professor, Department of Medicine, University of Alberta
gavin.oudit@ualberta.ca

Dr. Oudit is a Cardiologist and a Clinician-Scientist at the Mazankowski Alberta Heart Institute, University of Alberta. Dr. Oudit’s research is focused on the pathophysiology and molecular biology of heart failure, vascular disease and kidney disease. He is studying the role of PI3K signalling in heart disease and heart failure and aims to decipher the precise role of the different PI3K isoforms and their downstream signaling pathways. In addition, he is exploring the basis of the cardiac toxicity of novel anti-cancer drugs that block PI3K signaling.

The R&D division of Boehringer Ingelheim (Canada) Ltd./Ltée is one of Canada’s largest pharmaceutical research centres. One of our important corporate policies is to support and encourage basic research in Canadian universities. To this end, we have established the Boehringer Ingelheim Young Investigator Award in Biological Sciences. The award is made annually to a new faculty member conducting biological research in a Canadian university, and consists of an unrestricted three-year research grant.

Previous recipients

2010 Dr. Brian K. Coombes, McMaster University
2009 Dr. Anthony Gramolini, University of Toronto
2008 Dr. Marie Kmita, Université de Montréal
2007 Dr. Zhong-Ping Feng, Department of Physiology, University of Toronto

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Call for Nominations for

THE BRAIN PRIZE

THE PRIZE OF € 1 MILLION WILL BE AWARDED IN COPENHAGEN 9 MAY 2012

Nominations by 15 September 2011
Nominations will be reviewed by the Selection Committee:

YVES AGID, FRANCE
HUDA AKIL, USA
COLIN BLAKEMORE, UNITED KINGDOM, CHAIRMAN
FRED. H. GAGE, USA
TOMAS HÖKFELT, SWEDEN, VICE-CHAIRMAN
FLORIAN HOLSBOER, GERMANY
RANGA R. KRISHNAN, SINGAPORE
JES OLESEN, DENMARK

FOR THE NOMINATION FORM AND DETAILS OF THE NOMINATION PROCEDURE, PLEASE VISIT: WWW.THEBRAINPRIZE.ORG

Prize Winners 2011
Péter Somogyi, Oxford, UK, Tamás Freund, Budapest, Hungary and György Buzsáki, Newark, NJ, USA

The Brain Prize online @sciencecareers.org
POSTDOCTORAL POSITION in Cancer Biology

The postdoctoral position is available in the Laboratory of Diagnostic Radiology and Biomedical Engineering at the Yale University School of Medicine. The successful candidate will join a translational research program that focuses on the development of novel magnetic resonance imaging techniques to study the functional and structural properties of biological tissues. The postdoc will be expected to develop an independent research program within the context of the Yale MRC, with opportunities for extramural funding. Applications will be reviewed until the position is filled. Review of applications will continue until the position is filled.

Yale University is an Affirmative Action/Equal Opportunity Employer. Yale values diversity in its faculty, staff, and students and strongly encourages applications from women and members of underrepresented minority groups.

FACULTY POSITION

The Department of Molecular & Cellular Physiology at LSU invites applications for a tenure-track position at the level of ASSISTANT or ASSOCIATE PROFESSOR. Successful applicants will be expected to develop an independent, nationally funded research program. Preference will be given to individuals with training in electrophysiology, gene regulation, cell calcium, ion channels, and redox in cardiovascular research. Information about the departmental research focus is available at website: http://www.shreveportphysiology.com. A generous startup package and an appropriate space will be offered. Applicants should have a doctoral degree and relevant postdoctoral experience. Applications will be reviewed as they are received until the position is filled. Send curriculum vitae and names of three references to D. N. Granger, Ph.D., Boyd Professor & Head, Department of Molecular & Cellular Physiology, LSU Health Sciences Center, 1501 Kings Highway, Shreveport, Louisiana, 71130-3932, fax: 318-675-6005, e-mail: dgrang@lsuhsc.edu. Review of applications will continue until the position is filled.

Yale University School of Medicine is an Affirmative Action/Equal Opportunity Employer.