**Science Careers Classified Advertising**

For full advertising details, go to ScienceCareers.org and click for Employers, or call one of our representatives.

**UNITED STATES & CANADA**

E-mail: advertise@sciencecareers.org
Fax: 202-289-6742

Daryl Anderson
US Sales Manager
Phone: 202-326-6543

Tina Burks
Midwest/Canada
Phone: 202-326-6577

Alexis Fleming
East Coast
Phone: 202-326-6578

Nicholas Hintibide
West Coast/South Central
Phone: 202-326-6533

Online Job Posting Questions
Phone: 202-326-6577

**EUROPE & INTERNATIONAL**

E-mail: ads@science-int.co.uk
Fax: +44 (0) 1223 326532

Tracy Holmes
Associate Director, Science Careers
Phone: +44 (0) 1223 326525

Alex Palmer
Phone: +44 (0) 1223 326527

Dan Pennington
Phone: +44 (0) 1223 326517

Susanne Kharraz Tavakol
Phone: +44 (0) 1223 326529

Lisa Patterson
Phone: +44 (0) 1223 326528

To subscribe to Science:
In US/Canada call 202-326-6417 or 1-800-731-4939.
In the rest of the world call +44 (0) 1223 326515.

Science makes every effort to screen its ads for offensive and/or discriminatory language in accordance with US and non-US law. Since we are an international journal, you may see ads from non-US countries that request applications from specific demographic groups. Since US law does not apply to other countries we try to accommodate recruiting practices of other countries. However, we encourage our readers to alert us to any ads that they feel are discriminatory or offensive.

---

**POSITIONS OPEN**

**FACULTY POSITION SYSTEMS MICROBIOLOGIST**

The University of Rochester School of Medicine and Dentistry and the Department of Microbiology and Immunology are seeking a full-time ASSISTANT PROFESSOR in research program in microbiology. The Department wishes to recruit a tenure-track Systems Microbiologist at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Preference will be given to independent research candidates working in the field of bacteriology. Commensurate with proposed rank, candidates will be expected to develop, or to already have, an independent research program that will complement existing programs. Successful candidates will be joining a vibrant and innovative faculty (website: http://www.urmc.rochester.edu/smd/mbi/). In a new research building with state-of-the-art core facilities (website: http://www.urmc.rochester.edu/research/core-facilities.cfm), and will participate in the University’s new program in Genomics and Systems Biology (website: http://www.urmc.rochester.edu/strategic-plan-in-action/isp/genomics.cfm). The University is ranked among the nation’s top 10 nonprofit workplaces for life scientists, according to The Scientist magazine’s annual assessment of “Best Places to Work” (website: http://www.urmc.rochester.edu/strategic-plan-in-action/strategic-plan-news/10-best.cfm). An attractive salary, competitive startup package, and new laboratory space adjacent to the other microbiologists in the Department are available. Interested individuals should submit a letter of application, curriculum vitae, a statement of research interests and goals, and the names, addresses, and telephone numbers of three references. These materials should be sent to:

**Steve Dewhurst, Ph.D.**
Professor and Chair, Department of Microbiology and Immunology

Brenda Knorr
University of Rochester Medical Center
601 Elmwood Avenue, Box 672
Rochester, NY 14642-0672 USA

**Telephone:** 585-275-3402; **fax:** 585-473-9573
**E-mail:** bknr@mail.rochester.edu

---

**RESEARCH FACULTY POSITION**

The University of Rochester School of Medicine and Dentistry Division of Endocrinology and Metabolism

The Division of Endocrinology and Metabolism at the University of Rochester School of Medicine is seeking new Research Faculty members of all ranks. Candidates must have an M.D. or Ph.D. and should be performing endocrine-related basic or translational research. The Division is under new leadership and is seeking to expand its academic programs. Thus, the University of Rochester offers an exciting opportunity for research scientists interested in endocrinology. Please electronically transmit curriculum vitae and cover letter to: **Stephen Hammes**, Chief, Division of Endocrinology and Metabolism, University of Rochester School of Medicine, e-mail: stephen.hammes@urmc.rochester.edu.

---

**POSTDOCTORAL POSITION**

Open immediately in Microbiology and Cell Science. The Department of Microbiology and Cell Science at the University of Florida, for a qualified U.S. citizen or permanent resident with a demonstrated interest in prokaryotic molecular genetics and regulation. The position is funded by an NIH Recovery Act Supplement for a mechanism of CsrA Mediated Global Control. To apply online go to: https://academicjobs.columbia.edu/applicants/Central?quickFind=51975.

---

The Department of Pathology and Cell Biology at Columbia University seeks highly qualified individuals for faculty positions in surgical pathology, anatomic pathology, and research. Appointments can be at the ASSISTANT, ASSOCIATE, PROFESSOR, or ASSOCIATE PROFESSOR level depending on experience and qualifications. Clinical positions require Board certification and a license in New York State prior to the start of service. Research positions require record of publication in leading journals and a strong research commitment. To apply online go to: website: https://academicjobs.columbia.edu/applicants/Central?quickFind=51975.
The purpose of tomorrow.

Here at Astellas, we are working hard every day to make people’s lives better. We hold each other to a very high standard, and we have an intense awareness of purpose. I’m proud to be a part of an organization that knows what it wants to do, and works hard to make it happen.

I’m a Senior Project Coordinator for Biopharm Science and I’m helping Astellas change tomorrow.

Nancy Crorkin
Senior Project Coordinator, Biopharm Science

Together, we shine!
www.us.astellas.com

---

Physiology
Immunology
Neuroscience
Biotechnology
Pharmaceutics
Cancer Research
and so much more...

PhD Program in Biochemistry and Molecular Biology

Our program, which benefits from the unique environment of the Bloomberg School of Public Health, offers training in the following areas:

- Biochemistry
- Molecular and Cellular Biology
- Reproductive Biology
- Structural Biology

This program provides full funding for all students, including a competitive stipend and benefits.

Please visit our website for more information at http://jhsph.edu/dept/BMB/ or contact Sharon Warner at swarner@jhsph.edu.
Finding a Partner for Your Ph.D.

The selection of a doctoral program: it’s not quite marriage, but it’s a long-term commitment that could turn into a lifetime relationship, perhaps impacting—positively or negatively—the rest of your research career. **By Emma Hitt**

Most people graduating with their Ph.D. in science will say that graduate school represents a very different scenario than simply attending classes and passing exams, as during their undergraduate studies. A doctoral degree can sometimes take six or more years—and there's no guarantee that the joyous day ending with a diploma in hand will even materialize. Unlike the undergraduate experience, earning a doctoral degree is largely dependent on one’s efforts to conduct research, write journal articles, and most important, complete a dissertation. Success in these areas arises at least in part from picking a graduate school and a program that represents a suitable match, selecting the right adviser, and perhaps experiencing a little luck with your research projects. On what basis, therefore, should a graduate school be selected? And how, exactly, can one sift through the myriad of potential matches to make this momentous decision?

**The Right Match**

According to data from the Ph.D. Completion Project conducted by the Council of Graduate Schools (CGS)—the main organization representing graduate students in the United States—fewer than 60 percent of students entering graduate school in the sciences will complete their doctoral degree within a 10-year time frame. About one in five people in the life sciences drop out entirely during the program. And by about year six, according to the project data, only about 42 percent of doctoral students in the life sciences will have completed their degree, 34 percent will still be slaving away at it, and 24 percent will have thrown in the towel. For the math and physical sciences, only about 39 percent complete their degree by year six, 27 percent are still going, and 34 percent have dropped out. These data underscore the need to pick a graduate school wisely.

“Completing a doctoral degree has much more to do with the right match of a graduate program to a given student than it does with personality characteristics or even the academic preparation of an individual student,” says **Debra W. Stewart**, president of the CGS. An excellent, motivated student may fail to succeed in a program that is not an appropriate match; whereas a less academically prepared student may blossom in the right environment.

One important aspect of the match has to do with academic climate, Stewart says. “Some students might do well in a kind of dog-eat-dog, highly competitive environment; other students would be crushed by that, and would do much better in a much more laid back, laissez faire-type environment,” she says. “You have to know yourself, and you have to really know the kind of climate you need to ensure that you grow and develop in your intellectual and professional life as a result of this program.”

**Quality Counts**

“We increasingly encourage students to gain information, including about placement of graduates of the program, how long it typically takes a student to get a degree, and what percentage of the students who begin programs actually complete them,” says **G. Steven Martin**, department chair of Molecular and Cell Biology, at the University of California, Berkeley. Factors to consider when evaluating the quality of the faculty include the number, impact, and significance of scientific publications, in addition to any honors and recognition received, he says. If a PubMed search on a potential academic adviser pulls up only a few publications in recent years, or if the publications are all in specialized or archival journals, then this may indicate that the faculty member has a limited interest in research, and perhaps spends **continued**

**UPCOMING FEATURES**

Postdoc Survey — August 28
Faculty 2: Funding Your Future — September 11
Focus on Europe — September 25

www.sciencecareers.org/businessfeatures
increasingly, many programs recruit students to visit the school maybe after acceptance, but before the student makes a decision, to try ensure that it is the right match.”
—Debra W. Stewart

more time as an administrator or in teaching activities. Likewise, if the faculty member’s institutional or lab website does not clearly describe the lab’s achievements or convey a sense of excitement about the research or future directions, then this, too, may indicate that selecting a more active lab might provide a more productive and satisfying graduate school experience.

An Interest in Interests
A key question with respect to match, also, is whether the faculty available at an institution meshes with a student’s particular research interests, Stewart says. “You can have a fine program across the board, but it might not have a sufficient number of faculty members in a specialty area desired by the student.” Even within a specific scientific discipline, for example biology, the range of study—genetics, cell biology, botany, entomology, marine biology, zoology to name a few—can be very diverse. The same holds true for the physical sciences. Making sure a doctoral program can accommodate a student’s specific interest is an important first step in the selection process.

For students with a clearly defined idea of what they want to study, perhaps the best resource will be a professor at an undergraduate institution who currently serves as an adviser or mentor. A student who has worked with a professor in a lab during undergraduate studies and wants more of the same may ask for a recommended professor or program of related research at another institution.

However, not all students have a clearly defined path when they go to graduate school, so one strategy for a successful match is to pick a larger school, with many different types of programs and qualified faculty. “The interests of students often develop and change between undergraduate and graduate studies because the student is exposed to many more research options as a first-year graduate student than they likely were even aware of as an undergraduate,” says Patricia Burchat, department chair, Physics, Stanford University. “Therefore, I think students should look for schools with a variety of programs of interest, rather than focusing on one particular research area, laboratory, or adviser,” she says. The more opportunities that are available, the better the chance will be of selecting a lab that will match your interests and for completing the venerable degree program.

Some graduate science programs offer the opportunity to perform research rotations in various laboratories and with different professors. Rotations are a way to make sure that a lab is a good match, both personally and professionally, before settling in. This is especially important since it is often difficult to switch labs later on, and doing so may add months or years to a degree program. The Ph.D. programs in physics and applied physics at Stanford give first-year graduate students the opportunity to rotate through different research groups during their first year. “A new lab rotation each quarter allows students to learn more about the research pursued by the group and gives a student the opportunity to test the ‘culture’ in the group before making a decision,” Burchat says. “The rotation system also allows the adviser to interact with the student before making the very significant commitment to mentor and support the student for her/his graduate career, and helps promote better matches between student advisees and faculty advisers and research areas,” she adds.

Financially and Geographically Speaking
Other aspects to consider include more practical issues, such as financial support, that may or may not be available to the student. One question to ask is, what is the average number of years it takes students to complete the program? Since each year spent in graduate school represents tens of thousands of dollars of foregone income. In the sciences, many Ph.D. programs offer a tuition waiver and a stipend in return for committing to an intensive schedule working in a laboratory and passing up other employment. Graduate programs will typically state this information on their website. Some package deals are better than others. The cost of living of a specific area must also be considered, as should personal preferences: a student attending a college that is nestled in the countryside is likely to miss the big city after five or six years, even though it’s “just college” and they haven’t “settled down” yet.

Other questions about the design of the program include the coursework required—does it closely match a student’s interests? Does the school draw important seminar speakers within a field of research, and how often do these events take place? Does a student have the ability to participate in the academic life of the department and campus, such as by serving on faculty search committees, inviting seminar speakers, organizing student-led courses and seminars, participating in graduate student organizations? “These are all important aspects of graduate school life,” says Martin.

“One trend we have written about is that an increasing number of research universities are building large, open ‘megalabs,’ where investigators share space and supplies,” says Jennifer Ruark, a deputy managing editor at the Chronicle of Higher Education. “The goal is to get scientists interacting with each other and to foster interdisciplinary research—particularly in the life sciences, such as among developmental biologists, structural continued »

Featured Participants

Chronicle of Higher Education www.chronicle.com
Council of Graduate Schools www.cgsnet.org
Google www.google.com
PhDs.org www.phds.org
Quintessential Careers www.quintcareers.com
Stanford University www.stanford.edu
University of California, Berkeley berkeley.edu
International PhD Programme

The European Molecular Biology Laboratory will award predoctoral fellowships in 2010 to university graduates wishing to study for a PhD at the EMBL in Heidelberg (Germany), at the EMBL research units in Hinxton (near Cambridge, UK), Hamburg (Germany), Grenoble (France) and Monterotondo (near Rome, Italy). Areas of study include:
- Cell Biology & Biophysics
- Structural & Computational Biology
- Developmental Biology
- Bioinformatics
- Genome Biology
- Mouse Biology

PhD work at EMBL is challenging, intense and intellectually demanding. We welcome applications from highly qualified students of all nationalities in the biological sciences, physics, chemistry, medicine, informatics, mathematics or engineering. Applicants must hold, or anticipate receiving before enrolment, a university degree that would formally qualify them to enter a PhD or equivalent programme in the country where the degree was initially obtained. All applications are evaluated solely on the basis of qualification and scientific potential.

The deadline for completion of the online application is December 15, 2009; registration deadline is December 1, 2009. Successful candidates are awarded fellowships in early March 2010 to start work at EMBL any time after the interviews and by latest October 2010. The duration of a fellowship is 3 1/2 years. Following completion of their PhD thesis, students will have the opportunity to obtain joint PhD degrees between EMBL and one of its partner universities in Europe. Alternatively, students can opt to defend their thesis at a recognised university of their choice.

A brochure is also available on request from the: Dean of Graduate Studies, Dr. Helke Hillebrand, EMBL, Postfach 10 22 09, D-69012 Heidelberg, Germany (Tel: +49 6221 387 8612, Fax: +49 6221 387 8400, e-mail: predocs@embl.de).

All applications have to be made online at: http://www.embl.de/training/eipp/index.html

PhD Opportunities
Commencing October 2010

We offer the following PhD projects within our graduate training programme:

**STRUCTURE AND FUNCTION OF BIOENERGETIC PROTEINS**
- Dr Edmund Kunji: The structural changes of the mitochondrial ADP/ATP carrier in the transport cycle
- Dr Leonid Sazanov: The structure and function of bacterial respiratory complex I
- Dr Judy Hirst: Structure and function of mitochondrial NADH:ubiquinone oxidoreductase (complex I)
- Professor John Walker: Structural and functional studies of the ATP synthase

**SIGNALLING PATHWAYS IN MITOCHONDRIA**
- Dr Michael Murphy: Targeting molecules to mitochondria, mitochondrial radical production, thiol redox state and redox signalling
- Professor John Walker: Studies of signalling pathways in mitochondria by proteomic methods
- Professor John Walker: Assembly of respiratory complexes in mitochondria

**MITOCHONDRIAL GENETICS**
- Dr Michal Minczuk: Genetic manipulation of mitochondrial DNA

**BIOINFORMATICS**
- Dr Alan Robinson: Molecular modelling of membrane proteins, simulation of mitochondrial metabolism, and structure-based inhibitor design

For details visit www.mrc-mbu.cam.ac.uk or contact one of the supervisors. Successful candidates will hold a First or Upper Second class degree (or equivalent) in a relevant subject and will register with Cambridge University (http://www.bio.cam.ac.uk/gradschool/).

Several MRC studentships providing financial support, subject to MRC eligibility requirements, will be offered on a competitive basis to residents of the UK (fees and stipend) or EU (fees only). Other students would need to arrange their own funding.

To apply, send a detailed CV stating which supervisors you are interested in, and including the names and contact details of two academic referees to Penny Peck, MRC Mitochondrial Biology Unit, Wellcome Trust/MRC Building, Hills Road, Cambridge CB2 0XY (pap@mrc-mbu.cam.ac.uk)

Graduate Programs in Pharmaceutical Sciences and Biotechnology

Department of Pharmaceutical Science: graduate specializations (MS and PhD) include pharmacology, pharmaceutics and drug delivery, medicinal chemistry and drug discovery (PhD only), and an interdisciplinary option. Students conduct cutting-edge research with faculty in neuropharmacology, tissue engineering, biochemical analysis, cardiovascular targeting, medicinal chemistry, drug discovery, inflammation and immunology, and nanomedicine. Students are supported by interdisciplinary training programs including a grant from the National Institute on Drug Abuse to the Center for Drug Discovery (for both pre- and post-doctoral training) and an NSF-supported IGERT traineeship in nanomedicine.

Biotechnology Program: this Professional Science Master’s Program (PSM) addresses the needs of students seeking industry employment through rigorous interdisciplinary training in biotechnology coupled with an internship that provides a real-world learning opportunity in the pharmaceutical or biotechnology industry. The program has a close association with biotechnology companies in the Boston area and several faculty members have had extensive industry experience. The first year of study consists of core science courses and biotechnology-specific courses with laboratory training in state-of-the-art proteomics and biotechnology techniques including mass spectrometry. In the second year, students select a concentration in molecular biotechnology, pharmaceutical biotechnology, or engineering biotechnology.

For both Programs, courses are offered in the evenings. Degrees can be earned full-time in two years or on a part-time basis. See www.pharmsci.neu.edu or www.biotechms.neu.edu for more details, or contact Samuel John Gatley (Pharmaceutical Sciences) sgatley@neu.edu or Cynthia Bainton (Biotechnology) gradbiotech@neu.edu.

**WEBINAR**

**LAB STAFFING IN EUROPE:**
Hiring and Retaining Top Academic Talent

Watch Science Careers’ live webinar featuring a discussion among experts on staffing-related topics including strategies for productive interviews, motivating staff, mentoring, and conflict resolution.

26 August 2009 • 12 pm BST (GMT +1)

Register for free—visit www.sciencecareers.org/webinar

**Science Careers**
Produced by the journal Science/AAAS Business Office.
The problem with most rankings is that someone else is determining what is important.”
—Geoff Davis

10 Questions To Ask ...

<table>
<thead>
<tr>
<th>... A Current Student</th>
<th>... The Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. What do you see as the strengths of the program?</td>
<td>1. What are the major strengths of this program?</td>
</tr>
<tr>
<td>2. What do you see as the weaknesses of the program?</td>
<td>2. What are potential weaknesses of the program?</td>
</tr>
<tr>
<td>3. How accessible are the program faculty?</td>
<td>3. How would you describe the faculty?</td>
</tr>
<tr>
<td>4. Are the research facilities like—does there seem to be adequate funding, supplies, and equipment?</td>
<td>4. Are the classes team taught or taught by one individual?</td>
</tr>
<tr>
<td>5. If you had it to do over, would you select this graduate school again? Why/why not?</td>
<td>5. How would you describe the academic environment here compared with other schools?</td>
</tr>
<tr>
<td>6. What is the surrounding location of the school campus like? Are there leisure activities, good housing, and other amenities?</td>
<td>6. What attributes does a graduate student need to be successful at this school/in this program?</td>
</tr>
<tr>
<td>7. What is campus life like—do you have an opportunity to become involved and/or take on leadership roles?</td>
<td>7. Do you see any common characteristics in students who have quit their doctoral degree programs here—if so, what were they?</td>
</tr>
<tr>
<td>8. Do you feel that there is an adequate level of financial and academic support to complete your studies?</td>
<td>8. What research facilities are available and how adequate is intramural and extramural funding for the labs?</td>
</tr>
<tr>
<td>9. How competitive and difficult are the academic standards here?</td>
<td>9. What have recent graduates of the same program done with their degrees?</td>
</tr>
<tr>
<td>10. Is there anyone else I might talk to who could help provide an accurate picture of the program?</td>
<td>10. What unique features are offered by this school compared to other similar schools?</td>
</tr>
</tbody>
</table>

Resources


Gradschools.com. A comprehensive online graduate school guide to finding the best graduate schools and graduate degree programs. www.gradschools.com

Petersons. A searchable database of graduate programs based on subject area, location, and other parameters. www.petersons.com

PhDs.org. A website with extensive information on graduate school selection that lets students generate their own rankings. http://graduate-school.phds.org

Science/AAAS Graduate Program Finder. http://sciencecareers.scientemag.org/career_development/tools_resources/graduate_programs

Emma Hitt is a freelance medical and science writer residing in Marietta, Georgia.

DOI: 10.1126/science.opms.r0900075
Background: The Okinawa Institute of Science and Technology (OIST; http://www.oist.jp) is a new international research university of science and technology in Okinawa, Japan. The aim of OIST is to build a graduate university of international standing for the promotion of science and technology, create a true center of excellence in the Asia-Pacific region and contribute to the sustainable development of Okinawa. The university will be committed to achieving global networking and collaboration with industry. Under the leadership of the founding President Sydney Brenner and the OIST Board of Governors, the first stage of construction of the permanent campus will be complete in early 2010. Twenty-one research units (11 international, 10 Japanese) have already been established, with over 160 researchers (50 international) in temporary laboratories. Graduate students will be accepted in 2010 through joint agreements with other universities. The next stage is the development of the campus for about 50 faculty members and accreditation as an independent university prior to opening in 2012. The initial areas of research are neuroscience, molecular science, mathematical and computational biology, and environmental science, but the aim is to promote research which is highly interdisciplinary, adding and integrating such core areas as bioscience, chemistry, physics, computer and information science, mathematics, and engineering. With the mission to promote international research, the language of instruction is English and around half of the faculty, researchers and graduate students will be foreign nationals. Initial funding will be provided by the Japanese government, but independent funding is expected to increase steadily over time. The campus is located on 85 hectares of undeveloped semitropical forest overlooking beautiful beaches and reefs in Onna-son on the west coast of Okinawa, with adequate provision for housing and international schooling.

Duties and responsibilities: (1) The position as President will be a 5-year full-time and renewable appointment. (2) The President is appointed by the Board of Governors of OIST. The Board has final authority for the finances and appointments of the university. Close cooperation between the President and the Board is essential to the success of the university. (3) The term of the President begins with the establishment of the university in late 2011 or early 2012. The President-elect will be appointed as an establishment committee member until then and will work with the Board to ensure the opening of the new OIST campus facility in 2012, provide directions for the expansion of the university, be actively involved in the recruitment of scientists of international standing, and in the building of a first rate international university. (4) The President has full responsibility for the operations of the Okinawa Institute of Science and Technology and should work closely with the other officers and senior management of the university. The responsibilities involve the hiring of outstanding faculty and researchers, developing strategic plans for the university and overseeing research, academic affairs and budget. Additional responsibilities are the building of academic and industrial partnerships, and the fostering of positive relations with and encouraging the development of the Okinawa community. (5) International recruitment and fund-raising will require that the President travel periodically. However, even during periods of absence, the President should maintain close involvement in the operations of OIST.

Qualifications: The President of OIST must have the following qualifications: (1) Excellent scientific credentials to enable recruitment of first rate faculty and research scientists and the formation of partnerships with other universities and institutions; (2) Experience in university administration and teaching to be able to utilize effectively and efficiently the resources available to the University; (3) Experience of working in an international environment; (4) Excellent communication skills to ensure good public relations with scientists, government, and the community; (5) There is no restriction with regard to age or nationality.

Applications: Applications should include: (1) a cover letter addressed to OIST President Search Committee; (2) CV; (3) statement of interest and relevant research and administrative accomplishments and (4) names and contact information for 5 references. Submit applications electronically to oistpresidentsearch@oist.jp or by post mail to Attn: OIST President Search, 7542 Onna, Onna-son, Okinawa, Japan 904-0411. Applications will be reviewed as they are received, and the position will remain open until it is filled.

---

GRADUATE PROGRAM

**KU THE UNIVERSITY OF KANSAS**

Graduate Program in Molecular Biosciences

Outstanding graduate training is offered in six research areas:

- Biochemistry and Biophysics
- Bioinformatics and Protein Modeling
- Genetics
- Microbiology/Immunology
- Molecular, Cellular, and Developmental Biology
- Neurobiology

The program covers tuition and provides a competitive 12-month stipend, starting at $24,570.

For a full description of our program, faculty research interests and admission requirements visit: [www.molecularbiosciences.ku.edu](http://www.molecularbiosciences.ku.edu)

---

Chief X-ray Crystallographer

**Roche R&D Center China**

At Roche, our success is built on innovation, curiosity, and diversity – multiplied by 80,000 professionals in 150 countries. Roche R&D Center (China) Ltd. (RRDCC), the first drug discovery R&D center in China owned by a global healthcare company, was established in 2004. Since then, the RRDCC research force has grown to a team of nearly 100 scientists, encompassing various disciplines related to drug discovery.

We are seeking: A highly experienced structural biologist in x-ray crystallography, reporting to the Head of Molecular Design and Biosis. You will lead the x-ray crystallography-based structural biology research at RRDCC in order to elucidate structure-function relationships of proteins relevant to our drug discovery projects. You will be responsible for setting up an x-ray crystallography lab, performing protein crystallization including co-crystallizing and soaking small molecules, as well as structural determination of protein-ligand and/or protein-protein complexes. You will work closely with our structural biology collaborators. You will also be part of the molecular design and biostructure team, working closely with computational chemists, biologists, and medicinal chemists to apply structural information in understanding the function of target protein, helping biological assay development, and guiding medicinal chemistry lead generation and optimization.

You are required to have: Ph.D. in protein x-ray crystallography; at least four years of post-doctoral experience in protein structure determination, preferably in protein-protein and/or protein-small molecule complexes; deep understanding of protein structure-function relationship and its modulation by small or large molecules, preferably in the context of human disease; highly experienced in protein crystallization, protein and crystal handling, data collection using synchrotron and in-house equipment, and structure refinement; highly experienced in construct design and protein purification; experience with protein biochemical and biophysical characterization as well as functional study; experience in managing x-ray crystallography lab; experience in structure-based drug design is desired; familiarity with other structural biology methods, e.g. NMR, small angle x-ray scattering (SAXS), and electron microscopy (EM), is a plus; ability to be multitasking, manage multiple projects, and work on a timeline; excellent oral and written communication skills as well as good presentation skills are a must.

To learn more and to apply for the position, please contact RRDCC at phone: +86-21-38954910 ext. 2390 or ext. 3126 or email: shanghai.rdcrcruit@roche.com.
Become a Graduate Student at the NIH!

Interested in pursuing biomedical research and translating your findings into improvements in health care?

Want to solve complex problems using cutting-edge technologies?

Looking to work in an interdisciplinary and collaborative research environment with leading scientists and clinical investigators?

Consider the Graduate Partnerships Program at the National Institutes of Health, the nation’s biomedical research institution.

[Link: http://gpp.nih.gov]

---

Become a Postbaccalaureate Trainee at the NIH!

If you are an advanced undergraduate student or recent bachelor’s degree recipient interested in health or in biomedical research, the National Institutes of Health has training programs for you!

POSTBACCALAUREATE INTRAMURAL RESEARCH TRAINING AWARD: a year-long research experience to prepare recent college graduates for careers in science and the health care professions

NIH ACADEMY: a postbac program that combines biomedical research with a focus on domestic health disparities (applications must be submitted during the senior year)

[Link: http://www.training.nih.gov]
DEPARTMENT OF HEALTH AND HUMAN SERVICES
NATIONAL INSTITUTES OF HEALTH (NIH)
National Center for Complementary and Alternative Medicine

The National Center for Complementary and Alternative Medicine (NCCAM), a component of the National Institutes of Health (NIH), Department of Health and Human Services, seeks an accomplished, innovative neuroscientist to serve as Scientific Director of its Intramural Research Program (IRP) and as senior investigator responsible for developing a new research program in mind-body medicine. This individual reports to the Director, NCCAM, and will serve as a member of the NCCAM leadership team.

As Scientific Director, you will articulate and implement a vision and oversee research infrastructure for highly unified and mutually supportive laboratory and clinical programs in the conduct of bench-to-bedside and bedside-to-bench research related to complementary and alternative medicine (CAM) therapies.

As Senior Investigator, you will have substantial committed resources to create a cutting-edge program of clinically oriented laboratory research and/or clinical studies that exploit the best current methods from the neuroscience disciplines to define the nature, mechanisms of action, safety, and efficacy of the CAM modalities that affect actions and interactions linking mind, body, and behavior.

This exceptional opportunity is available to an accomplished neuroscientist who has a demonstrated record of senior-level management of a large, nationally recognized research program, a commitment to both basic and clinical research, and leadership skills to forge team efforts with colleagues within intramural programs across the NIH.

The candidate will be given the necessary resources (space, budget, staff) to build the intramural research program anticipated to encompass three to five laboratory groups.

Applicants must possess an M.D., Ph.D., or equivalent degree in a biomedical field related to the mission of NCCAM and have professional experience reflecting a broad scientific background and experience in basic and/or clinical investigation. Applicants must be able to interact with full authority; have the demonstrated capability to plan and direct research programs of national and international importance; and have the ability to communicate with and obtain the cooperation of national and international organizations and individuals who represent wide-ranging views and competing priorities. Salary is commensurate with qualifications and experience. Full Federal benefits including leave, health and life insurance, long-term care insurance, retirement, and a savings plan (401k equivalent). Qualified individuals are encouraged to email their CV, bibliography, list of three references, and cover letter outlining their relevant experience and vision for leading the NCCAM IRP to: ncammenquiries@mail.nih.gov, Subject Line: Scientific Director Search. Email receipt of applications and inquiries is preferred; however, candidates needing reasonable accommodation may fax application materials to 301-402-4741. Application deadline is October 1, 2009.

Department of Health and Human Services
National Institutes of Health / National Eye Institute
Deputy Director

POSITION: The National Eye Institute (NEI), a major component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is seeking exceptional candidates for the challenging position of Deputy Director, NEI. The NEI is responsible for a national and international program to conduct and support research, training, health information dissemination, and other programs with respect to blinding eye diseases, visual disorders, mechanisms of visual function, preservation of sight, and the special health problems and requirements of individuals who are visually impaired. These activities are conducted in hundreds of extramural laboratories and clinics throughout the United States and in NEI’s own facilities in Bethesda, Maryland.

The Deputy Director, NEI serves as second in command and principal advisor to the Director, NEI, in evaluating, planning, directing, and coordinating all activities related to the mission and function of the Institute, in the execution of policies, and in the allocation of resources to carry out these policies. On behalf of the Director, NEI, the Deputy Director represents the NEI in all matters and in this sense is the champion and guarantor for the intellectual and administrative environment at the Institute. The Deputy Director also serves as an ambassador and spokesperson for the Institute.

QUALIFICATIONS REQUIRED: Applicants must possess a Ph.D., M.D., or equivalent doctorate degree in the biomedical sciences, with broad senior-level research experience and experience in direct administration of a research program. Applicants should be known and respected within their profession, both nationally and internationally, as distinguished individuals of outstanding scientific competence and administrative capability. Candidates should have demonstrated leadership; serving as a spokesperson; planning, program assessment, and analysis of program objectives; resolution of operational problems and issues; and the ability to manage financial and human resources including building, motivating, and maintaining a culturally diverse staff. Experience with NIH administrative policies, procedures and operations are highly desirable but not essential.

SALARY/BENEFITS: Salary is commensurate with experience and qualifications. Full Federal benefits are available including leave, health and life insurance, long-term care insurance, retirement, and retirement savings plan (401k equivalent).

HOW TO APPLY: Interested candidates should send a letter of interest, including a brief description of research and administrative experience, curriculum vitae and bibliography, and the names of at least three references to: Chair, NEI Deputy Director Search Committee at NEISearch@nei.nih.gov or 31 Center Drive, Room 6A03, MSC 2510, Bethesda, MD 20892. Applications should be received by September 15, 2009 and review of applications will begin soon thereafter, but applications will continue to be accepted and considered until the position is filled. For questions, contact Dr. Paul A Sieving, Director, NEI at paul.sieving@nih.gov. Applicants are encouraged to browse the NEI Home Page at http://www.nei.nih.gov/
Regional Centre for Biotechnology
An institution of research, training and education established within the Health Biotech Science Cluster by the Dept. of Biotechnology, Govt. of India, under the auspices of UNESCO

Career Opportunities in Interdisciplinary Areas of Biotechnology

The Regional Centre for Biotechnology (RCB), a newly created institution in the National Capital Region (NCR) of Delhi, would like to recruit scientists with potential for intellectual leadership and passion for both research and teaching in cutting-edge areas of biotechnology. A demonstrated record of scientific productivity in a wide range of areas including life science, biomedical science, engineering, physical and chemical sciences and material science, in the form of recent peer-reviewed publications in scientific journals of high international repute and/or internationally valid and productive patents is essential, as is some indication of independence in scientific thinking, and a minimum of three years post-doctoral experience.

The RCB, an institution of excellence established under an agreement with UNESCO for providing opportunities to Indian and other Asian students and scholars, is one of two major institutions being set up within a Health Biotech Science Cluster (HBSC). The HBSC is being developed by the Department of Biotechnology, Government of India, on a 200-acre site located within the NCR in Faridabad, and is intended to foster innovative conceptual research in a wide range of biotech-related sciences, with an initial focus on health biotechnology. The other sister institution in the cluster is the Translational Health Science and Technology Institute (THSTI). HBSC and the institutions therein will also include mission centres dedicated to vaccines, diagnostics and imaging, molecular medicine, platform technologies, informatics, experimental animal facilities, technology transfer and intellectual property services and clinical trial services. These strongly complementary institutions/centres will have seamless scientific collaborations and are being developed under the mentorship of major national and international research centres.

The primary focus of the RCB will be to provide world-class research, training and education in biotech sciences at the interface of multiple disciplines. The educational programmes of RCB will be designed to create innovative opportunities to engage in research and learn to integrate science, engineering and medicine to provide major breakthroughs of relevance to India and the region. Specialized domain-specific programmes will also be designed by the faculty of RCB and THSTI in new opportunity areas of discovery science and technological innovations such as (but not restricted to) drug discovery and systems biology, cell and tissue engineering, nano science and technology, and synergy of information technology and advanced biomaterials, in order to create highly specialized people who delve across disciplines.

Faculty appointments will be offered from entry to program coordinator levels depending on the quantum of experience and the quality of scientific productivity. Investigators will be provided shared laboratory space and adequate start-up resources. They are expected to generate eventual extramural project-based funding.

The permanent laboratories of the Centre will come up in the HBSC Campus at Faridabad over the next three years. Interim laboratories will function from Gurgoan, neighboring the South Delhi area, which has adequate housing, transportation and schooling facilities.

Interested scientists are invited to send their bio-data containing details of qualification, positions held, professional experience/distinctions, copies of notable publications, and the names, addresses, fax numbers, telephone numbers and electronic mail addresses of three potential referees, to the Manager, Regional Centre for Biotechnology, c/o National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi –110067, India. An advance electronic copy of the bio-data may be sent to the e-mail address: rcb@nii.ac.in. People working in public sector institutions within India are requested to have their applications forwarded through proper channels. Only short-listed candidates will be contacted for further discussions.
Tier 1 Canada Research Chair in Biorefining Processess or Bioenergy Research

Lakehead University invites applications and nominations of internationally recognized and respected scholars to be considered for a Tier 1 Canada Research Chair (CRC) in Biorefining or Bioenergy Processes. Candidates will focus on the development of novel bioproducts or bioenergy from forest biomass through transformative biological, biochemical, and/or thermo-chemical conversions technologies (such as microbial fermentation, enzymatic transformation, pyrolysis/gasification, and catalytic processing). The Chair should have expertise in one or more following disciplines including biology, applied microbiology, biochemistry, and chemical or bioprocess engineering. The Chair's areas of interest will include identifying biorefining pathways to specialty and commodity bioproducts or bioenergy: lignin, cellulose, hemicellulose or residual streams such as bark, sawdust, and sludge. The Chair's expertise will complement research underway at Lakehead University's Biorefining Research Initiative and support research collaborations with FPInnovations and the forest industry sector.

The successful candidate will collaborate with three Biorefining Research Chairs already established at Lakehead University's Biorefining Research Initiative to build a world-class program to deliver new bioproducts or bioenergy for forestry industry installations. For more information about BRI and the BRI team, visit http://lubri.lakeheadu.ca.

The successful candidate will hold a doctorate degree and have excellent research credentials and a demonstrated record of securing external research funding.

Tier 1 candidates must be researchers of international stature who can bring an innovative perspective to the university in carrying out and leading research, training researchers, and contributing to the PhD programs in Biotechnology and/or Forest Sciences. Furthermore, candidates are expected to have extensive research experience and all the qualifications for a tenured appointment at the rank of full professor or associate professor. Associate professors are expected to be promoted to the full professor level within one or two years of the nomination. Appointment is for an initial seven-year term and is renewable every seven years.

Lakehead University offers on campus and community-based programs, continuing education and distributed learning, and graduate programs at the Master's and Doctoral levels. Lakehead is a comprehensive university providing an impressive array of programs in professional, arts, and sciences and the west campus of the Northern Ontario School of Medicine. The University has an enrolment of approximately 7,500 students, with a large Aboriginal contingent at the Thunder Bay campus. The Orillia campus, which has just unveiled its first permanent building, will be the first official Leadership in Energy and Environmental Design (LEED) Platinum university campus in Canada.

For more information on these and all other positions as well as a complete listing of teaching opportunities and detailed course descriptions, please visit our website at http://hr.lakeheadu.ca/employment.php.

Applications and nominations including a curriculum vitae, seven-year research plan, and three publications that demonstrate a significant contribution to the field should be sent to:

Dr. Rui Wang, Vice-President Research, Lakehead University, Thunder Bay, Ontario P7B 5E1

In addition, three confidential letters of recommendation should be sent under separate cover to Dr. Wang by the candidate's referees. Review of applications will begin on October 1, 2009.

Please note that all positions are subject to review and final approval by the CRC Secretariat in Ottawa. For additional information on the CRC program, please visit the program website at: www.chairs.gc.ca.

Lakehead University is an Equal Opportunity Employer. The CRC program imposes no restrictions with regard to nationality or current country of residence.
Worldwide Search for Talent

City University of Hong Kong is a dynamic, fast developing university distinguished by scholarship in research and professional education. As a publicly funded institution, the University is committed to nurturing and developing students' talent and creating applicable knowledge to support social and economic advancement. It is a forward looking university with over 20,000 students and more than 3,000 full-time faculty and staff from diverse international backgrounds and ethnicities. Currently, the University has six Colleges/Schools. Within the next five years, the University aims to recruit 200 more scholars in various disciplines from all over the world, including science, engineering, business, social sciences, humanities, law, creative media, energy, environment, and biomedical & veterinary sciences.

Applications and nominations are invited for:

Dean of College of Science and Engineering
[Ref. A/592/29]

The College of Science and Engineering is the University’s largest academic unit and intellectual core. It comprises eight constituent units: Biology and Chemistry; Building and Construction; Computer Science; Electronic Engineering; Mathematics; Manufacturing Engineering and Engineering Management; Physics and Materials Science; and Building Science and Technology. The College vision is to win international recognition as one of the best science and engineering colleges in the Asia-Pacific region. With seven Academicians, eleven IEEE Fellows, and many promising young scholars, the College has a very strong research profile, pioneering in many of the world’s most cutting-edge discoveries. The College offers about 60 taught programmes at various levels, including associate degree to master’s degree, and research degree programmes at MPhil and PhD levels.

Qualifications for Appointment

Candidates must be a distinguished scholar and researcher of international standing, with strong research and publication records and the capability to provide academic leadership in both undergraduate and postgraduate programmes. Substantial relevant experience in a senior academic position and evidence of strong management skills appropriate to working in an international environment are highly desirable. The successful candidate should also have a strategic vision to lead the College to new heights in academic achievement and an ambitious drive to foster the highest standards of research, scholarship and education.

Salary and Conditions of Service

Remuneration package will be commensurate with the appointee’s credentials and experience. Excellent fringe benefits include gratuity, leave, medical and dental schemes, and relocation assistance where applicable. The appointee will be offered the deanship and a chair professorship simultaneously on a fixed-term contract of three years.

Application and Information

Further information on the post and the University is available at http://www.cityu.edu.hk, or from the Human Resources Office, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong [Fax: (852) 2788 1154 or (852) 3442 0311/Email: deancse@cityu.edu.hk]. Please send the nomination or application with a current curriculum vitae and ask three academic referees to send their references directly to Ms. Rita FUNG of the Human Resources Office by 30 September 2009.

Please quote the reference of the post in the application and on the envelope. The University reserves the right to consider late applications and nominations, and not to fill the position. Personal data provided by applicants will be used for recruitment and other employment-related purposes.

City University of Hong Kong was ranked the 18th in Asia according to The Times Higher Education 2009 survey. http://www.cityu.edu.hk
INFLUENZA — VIROLOGY/IMMUNOLOGY

RESEARCH FACULTY POSITION

The Duke Human Vaccine Institute (DHVI) is seeking candidates for a faculty member with expertise in virology, immunology, and immunobiology of influenza virus infections. The faculty member will collaborate with other DHVI investigators and researchers on the isolation and propagation of newly emergent influenza strains. The successful candidate will be skilled in isolation of influenza virus from clinical material or tissue cultures, and will be able to perform antibody neutralization and other relevant assays. Research will be performed in Duke’s state-of-the-art BSL-3 NIAID/NIH Regional Biocontainment Laboratory. The candidate should be willing and able to conduct research in BSL-2 and BSL-3 laboratories, including working with animals in biosafety containment environments, and must be able to complete CDC Select Agent Registration. With support from the DHVI team, the faculty member will be expected to develop an independent research program over a three-year period. Qualified candidates must have a MD and/or PhD in a relevant discipline and have completed a minimum of two years post-doctoral training in influenza biology/virology research.

Salary and academic ranking will be commensurate with education, training, and experience level. Candidates should email or send a letter of interest and current CV to: Search Committee Chair, Duke Human Vaccine Institute, Box 103020, 106 Research Drive, Durham, NC 27710. Email: dhvifacultysearch@notes.duke.edu

DukeMedicine
Duke is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

Senior Director, Vaccine Design

The International AIDS Vaccine Initiative (IAVI) is a global, not-for-profit, public-private partnership organization working to speed the search for a vaccine to prevent HIV infection and AIDS. Founded in 1996 and operational in 24 countries, IAVI, and its network of partners, research and develop vaccine candidates. IAVI also advocates for a vaccine to be a global priority and works to ensure that a future vaccine will be accessible to all who need it.

IAVI is a young, dynamic and mission-driven organization, and the work environment is fast-paced and intellectually stimulating. IAVI’s culture, like that of a biotech company, is one that involves working collaboratively with a variety of internal and external peers, using scarce resources effectively, and sharing a common sense of commitment and purpose. In a global search effort, IAVI seeks a Senior Director, Vaccine Design. IAVI’s AIDS Vaccine Design and Development Lab, Brooklyn, New York. IAVI has regional offices in Amsterdam, Johannesburg, Nairobi, and New Delhi, with a Human Immunology Lab in London, and a new Neutralizing Antibody Research Center in La Jolla, California.

IAVI is recruiting for a Senior Director, Vaccine Design at its Design and Development Lab, situated in Brooklyn, New York. This individual will be responsible for implementing IAVI’s R&D work-plans, milestones and goals. These encompass:

- Identification of promising vaccine concepts in collaboration with IAVI’s consortium partners
- Translation of these concepts into vaccine leads
- Transition of leads into and through development
- Generation and testing of immunogens that will elicit broadly neutralizing antibodies
- Generation and testing of potent and safe vector candidates for vaccines
- Rigorous testing of the leads to be sure they can and should move forward
- Identification and implementation of predefined Go/No Go decision points.

IAVI’s AIDS Vaccine Design and Development Laboratory (the Design Lab) serves as the hub of IAVI’s global vaccine discovery effort, closely linked with IAVI’s Live Attenuated Consortium, Neutralizing Antibody Consortium, Vector Consortium, Human Immunology Laboratory (London), and an expanding network of partners.

The Senior Director, Vaccine Design reports directly to the Vice President, Vaccine Design. Its direct reports include the three Senior Directors in charge of Protein and Analytical Chemistry, Immunology, Vector Design, and Lab Facilities. Other Responsibilities: Lead the process for the review, evaluation, and investment recommendations of new technologies and innovations for AIDS vaccine discovery, in collaboration with the Vice President for Vaccine Design, other senior members of the R&D staff, and IAVI staff responsible for business development.

Leadership and Management: • Ensure that the highest quality of scientific skill, diligence and rigor is applied to all projects within the Design Lab • Manage short-term and long-term Design Lab resource needs and facility budgets to achieve organizational objectives • Manage Design Lab staff and consultants, staff the Lab effectively to achieve objectives, recruit and evaluate the performance of all personnel, provide coaching and mentoring to staff and develop and maintain an organizational structure with appropriate functional responsibilities to accomplish business goals. Additionally, ensure that scientific staff remains at the cutting edge of the scientific disciplines required for peak performance in their jobs • Establish effective working relationships with other departments at IAVI, and external biotechnology and pharmaceutical partners to advance IAVI’s mission.

Qualifications and Experience: We seek an individual who possesses a strong foundation in vaccine science with a solid scientific reputation internationally. The successful candidate will have: • Experience directing a vaccine project from research to clinical development in industry, government and/or academia • Insight into recognizing promising lead candidates early while balancing speed and probability of success • Expertise in generating and interpreting key data demonstrating preclinical vaccine performance • An understanding of priority-setting, resource management, and the bridge-building required to foster scientific cooperation • Ability to formulate scientific based Go/No Go decision points, based on immunological, protection and safety endpoints • A M.D. or Ph.D. degree in a biological science, including immunology, microbiology, virology, biochemistry or bioengineering • Additional specific skill sets and experience in the following areas would be desirable: Animal model testing of vaccines, immunology, antigen design, adjuvants, HIV biology, generation of an IND, and application for peer-review funding

IAVI operates as an intense mission-driven organization trying to solve one of the most difficult and important scientific and policy challenges of our times. As a result, a passion for the mission is a critical attribute.

Leadership and Management Behavioral Competencies: • A builder of strong, productive personal and professional relationships and interconnected networks of people and organizations • Highly developed and effective interpersonal and communication skills, verbal and written; able to communicate sensitively and compellingly with individuals as well as large groups across cultures and languages • Encourages open communication and participation with an emphasis on transparency and the sharing of information • Strong conceptual thinker who can drive quickly to a clear and concise synthesis of even the most complex issues and concepts • A visionary leader who exudes a passion for the mission that is inspiring and contagious • Defines ambitious goals and establishes priorities, designing processes and managing projects and resources that align to achieve those goals • A champion of innovation who responds to complex problems and challenges by applying new perspectives and exploring a variety of relevant possible solutions • A team player and team-builder who is willing to work with and patiently align diverse stakeholders who maintain their individual autonomy and decision-making

Personal Characteristics: Respected for intellect and sound scientific judgment; Creative and flexible in approaching problem-solving and management in a globally diverse and highly matrixed environment; Dynamic, energetic; Strategic; Embraces change; Strong organizational skills; Values-driven with a high degree of integrity and moral authority; Disciplined and methodical; A resilient temperament; Excellent interpersonal skills, influencing skills and cultural competencies, with the ability to effectively manage across a global platform of partners and employees.

To submit your application, please go to http://www.iavi.org/about-IAVI/careers/Pages/Careers.aspx. Click on career search and apply to Job ID 1359.
The Department of Microbiology at The Ohio State University invites applications for two tenure-track Assistant Professor positions. Preference will be given to applicants performing research in the areas of Environmental Microbiology/Microbial Ecology and Molecular Microbiology, but candidates of outstanding quality working in any area of Microbiology will also be considered. Applicants must have a Ph.D. or equivalent degree and at least 2 years of postdoctoral research experience. The successful candidates will be expected to establish and maintain an extramurally funded research program in their field of study and to actively support our strong training program including a commitment to excellence in teaching at both the undergraduate and graduate levels.

The Department currently has 15 full-time and 8 adjunct faculty members. For an overview of the Department, visit our website: http://www.osumicrobiology.org/.

Applications will be accepted until the positions are filled, but priority will be given to applications received by October 1, 2009. For full consideration, applicants should send a letter of intent, curriculum vitae, statement of research and teaching interests, and arrange for three letters of recommendation to be sent by e-mail to: micro_grad@osu.edu. Additional questions about this search should be directed to Dr. Juan D. Alfonzo, Chair of the Search Committee (alfonzo.1@osu.edu)

To build a diverse workforce The Ohio State University encourages applications from minorities, veterans, women and individuals with disabilities. Flexible work options available. Ohio State is an NSF ADVANCE Institution. EEO/AA Employer.

---

**National University of Singapore**

**Fellows Positions in the Research Centre of Excellence in Mechanobiology**

This newly established Research Centre (RCE) at the National University of Singapore (NUS) is based on a collaborative interdisciplinary approach to molecular, cellular and tissue mechanics. Through quantitative biophysical approaches, we will address major problems in biomedical sciences including pathogenesis (from bacterial to cancer), tissue regeneration and function. We are seeking outstanding candidates with strong background in molecular and cell biology, biophysics, biology-related engineering or computer sciences. Candidates should be prepared to advise on interdisciplinary team projects as well as to execute their own research.

We are seeking outstanding postdoctoral candidates at two levels, Junior and Senior Fellows.

**Junior Fellows:** These positions are for recent Ph.D.s or Ph.D.s who are changing fields. Junior fellows are recruited to work with PIs in the RCE (see faculty at web site).

**Senior Fellows:** These positions are for more experienced postdocs who will manage a funded team project in the Centre. In addition to funds to complete the project, Senior Fellows will have access to funds to hire personnel and to develop the results for additional funded projects independently.

For more information on the Centre, please see website www.dbs.nus.edu.sg/mechano/index.html.

The Centre offers competitive salary package, and housing allowance.

Please submit your application (form downloadable from www.dbs.nus.edu.sg/mechano/index.html ), along with curriculum vitae, research interest, names of three external referees and an indication of a PI or PIs you may wish to work with (if any) to:

Chair, Recruitment Committee  
RCE in Mechanobiology  
National University of Singapore  
14 Science Drive 4  
Singapore 117543  
Fax: (65) 67759671  
Email: mechbio@nus.edu.sg

---

**National Centre for Cell Science**

(An Autonomous Institution of the Department of Biotechnology, Government of India)

**Advertisement No. Admn-01-2009**

**RESEARCH SCIENTISTS**

National Centre for Cell Science is a premier institute recognized nationally and internationally for its contribution in different areas of Modern Biology. For its expanding activities, the Centre seeks to recruit Research Scientists in positions of Scientist ‘C’ and Scientist ‘D’ to pursue cutting edge research in the areas of Stem Cell Biology / Regenerative Biology, Neurobiology, Developmental Biology, Systems / Computational Biology and translational Medicine. Interested applicants holding Indian Citizenship may send their applications with CV and 3 reference letters to the Director, NCCS. For detailed advertisement, please visit our website http://www.nccs.res.in/admn-01A-2009.html

Director  
National Centre for Cell Science  
NCCS Complex, Ganeshkhind P.O., Pune – 411007, Maharashtra, INDIA  
Phone: 91-20-25708121  
Fax: 91-20-25692259  
E-mail: director@nccs.res.in

The complete application should reach within six weeks from the date of appearance of this advertisement.
Search for Research Leaders in Strategic Areas

Sultan Qaboos University (SQU), the national university of the Sultanate of Oman and is one of the regional leaders in research and postgraduate training, intends to develop focused research programs in areas of

- Solar Energy
- Enhanced Oil Recovery
- Plant Pathology
- Marine Biotechnology
- Metabolic Syndromes
- Cancer
- Nanotechnology for Water Desalination

These programs will be led by outstanding researchers who will serve as Directors of Research Centers or Research Chairs and will be provided with highly competitive salary packages and all resources needed to establish strong research teams. They will be expected to build capacity at SQU, promote collaboration locally, regionally and internationally, and contribute significantly to addressing the strategic research goals of the Sultanate.

SQU calls for expressions of interest by senior academics and researcher having a breadth and depth of experience in these areas.

For more details please log in to the University’s website: www.squ.edu.om at the link: Job Vacancies.

SULTAN QABOOS UNIVERSITY
Sultanate of Oman

University of Miyazaki
Assistant Professor Positions in Interdisciplinary Research Areas

The University of Miyazaki, one of the National University Corporations in Japan, has commenced the Model Program for Young Principal Investigators. For this 5-year program, we have 10 assistant professor positions, seeking outstanding young researchers who are able to independently pursue original and innovative research in the four interdisciplinary research areas as follows:

I. Research into pathogenic and industrially important microorganisms based on genome analysis.
II. Searches, basic research, and clinical applications for novel bioactive peptides.
III. Fundamental research and practical applications for biomass/energy resource conversion.
IV. Production of high-quality agricultural, marine, and livestock products and development of functional foods.

Applicants should be able to communicate in English and have a Ph.D. in a related field (awarded within the past 3 to 10 years). Female applicants, who can develop research programs and build capacity at the University, are encouraged to apply. The appointee is expected to build capacity at Miyazaki University, promote collaboration locally, and contribute to addressing the strategic research goals of the University.

For more information, please refer to our official website at: http://www.miyazaki-u.ac.jp/ir/

Application Deadline:
5:00 pm, September 30, 2009 (Japan Standard Time)

Contact information: Interdisciplinary Research Organization Office
1-1 Gakutenkibanadai-nishi, Miyazaki-shi, Miyazaki 889-2192, Japan
E-mail: iroffice@of.miyazaki-u.ac.jp

Moffitt Cancer Center

We Believe
The Cure Will Be Found Right Here

Faculty Positions: Melanoma Research

The Donald A. Adam Comprehensive Melanoma Research Center at the Moffitt Cancer Center is seeking laboratory-based faculty members with a Ph.D., M.D. or M.D.-Ph.D. with an interest in melanoma research. The prospective candidates will be appointed at the Associate or Senior Member level, and it is expected that they would establish an independent funded laboratory research program concentrating on translational melanoma investigation in the fields of tumor microenvironment, apoptosis or the cell cycle.

An outstanding start-up plan is available, as well as a highly competitive salary package with excellent lab space. A specific attraction is the opportunity to interact with ongoing well-funded research programs in molecular oncology, drug development, population science and translational immunology/immunotherapy. The Comprehensive Melanoma Research Center brings together clinicians, basic and translational scientists at Moffitt to aggressively pursue new ideas in the etiology, treatment and prevention of melanoma. At the Moffitt Cancer Center, significant growth in basic and translational research, in laboratory space resources and faculty recruitment will occur in the next decade as a high priority.

Consistently ranked in U.S. News & World Report “Best Cancer Hospitals” for the past ten years, Moffitt Cancer Center and Research Institute is a free-standing, not-for-profit cancer center. Moffitt opened on the campus of Tampa’s University of South Florida in October 1986 and became Florida’s only NCI designated Comprehensive Cancer Center in 2001. There is vast opportunity within our framework for information technology, scientific research, clinical treatment and quality of life studies, as we see over 15,000 new cancer patients each year. Our environment is one of multi-modality, patient-centered care requiring highly collaborative clinical research programs. Moffitt is committed to education through a wide range of residency and fellowship programs.

The Moffitt Research Institute is comprised of approximately 140 Principal Investigators, 58 laboratories, and 306,000 square feet of research space. The Cancer Center is comprised of a large ambulatory care facility, a 206-bed hospital, with a 36-bed blood and marrow transplant program, 12 state of the art operating suites, a 30-bed intensive care unit, a high volume screening program, and a basic science research facility.

The Moffitt Cancer Center is affiliated with the University of South Florida. Primary and secondary University appointments are available, as applicable. Academic rank is commensurate with qualifications and experience.

For inquiries about the position, contact Dr. Jeffrey Weber, Director, Donald A. Adam Comprehensive Melanoma Research Center, at 813-745-2007.

To apply, visit our website www.moffittcareers.org and refer to requisition number 4348.
DIRECT
School of Biological Sciences
The School of Biological Sciences at Illinois State University seeks applications for the position of Director of the School, to begin July 1, 2010. Applicants must have an earned doctorate in Biology or a related field. They must have a history of vigorous research and extramural funding and be qualified for tenured appointment at the advanced Associate or Full Professor level. Applicants must also have demonstrated leadership qualities—administrative and strategic-management competencies, interpersonal skills, and vision—to foster an academic environment conducive to quality education, research, and extramural funding. Applicants should demonstrate a commitment to shared academic governance, teaching, and diversity, broadly defined. For information about the department, programs, and community see www.bio.illinoisstate.edu.
Please visit http://www.IllinoisState.edu/jobs for full job description. This is a twelve-month position with a competitive salary. Initial review of applications will begin October 2, 2009 and continue until the position is filled. To assure full consideration, email vitae, names and contact information for three or more references, and a statement of administrative philosophy by October 2, 2009 to skrumtin@ilstu.edu. Questions may be directed to the Chair of the Search Committee, Dr. David Patton Barone: dbaron@ilstu.edu.
Illinois State University is an Equal Opportunity/Affirmative Action University, encouraging diversity.

Institute for Advanced Sustainability Studies (IASS)
"Opportunities for Excellence"
The "Institute for Advanced Sustainability Studies (IASS)" will become the first institute worldwide, which will focus its research on Earth system, Climate and Sustainability studies in a holistic way.
We invite applications for

Three Research Scientist Positions (m/f)
Codes: IASS Ref. VA#8

Tasks:
The successful applicants will support the executive director and the two scientific directors in daily operation, especially through the development of scientific concepts for research themes. Involvement in committees and other organizational bodies will be expected.

Qualifications:
- Advanced university education (Ph.D.) in an environmental or sustainability-related discipline
- Experience in science management
- Experience in teamwork within organisations
- Particular experience in sustainability studies
- Excellent knowledge of spoken and written English
- Ability and willingness to serve in a broad spectrum of tasks

The appointment will be initially for three years. The salary is according to the German system for public employees (EG 3/14 TVöD-O, depending on qualification). Equal opportunity is part of our personnel policy. The GFZ Potsdam encourages applications from qualified female candidates. Handicapped applicants will be given preference in the case of equal qualifications. The position is in principle suitable for a part-time employment.

Applicants should submit a curriculum vitae, list of publications and contact addresses of at least two referees before August 28, 2009 to:
Prof. Dr. Klaus Töpfer
Former Undersecretary General UN
Executive Director of IASS
c/o GFZ German Research Centre for Geosciences
Telegrafenberg, 14473 Potsdam, Germany
Electronic submissions are highly welcome.
Please send them to: jobs_iass@gfz-potsdam.de
CHIEF RESEARCH OFFICER

The Ames Laboratory, a government owned, contractor operated U.S. Department of Energy national laboratory, operated by and situated on the campus of Iowa State University. With expanding opportunities based upon its traditional strengths in materials design, analysis and processing, the Ames Laboratory is conducting a nationwide search for a Chief Research Officer to lead its science programs.

The Search Committee invites letters of nomination to be submitted to humanresources@ameslab.gov. A complete description and application instructions may be viewed at www.iastatejobs.com, Vacancy #090489. Confidential review of materials will begin immediately and continue until the appointment is made. It is preferred that all nominations and applications be submitted prior to November 15, 2009.

Iowa State University does not discriminate on the basis of race, color, age, religion, national origin, sexual orientation, gender identity, sex, marital status, disability, or status as a U.S. veteran.

UNIVERSITY OF CAMBRIDGE www.cam.ac.uk/jobs/

2 Lectureships in Molecular Informatics (fixed-term)

Department of Chemistry

£36,532 - £46,278 pa

The funds for these posts are available until September 30th 2014 in the first instance.

Applications are invited from suitably qualified candidates for two fixed-term Lectureships in Molecular Informatics. We are particularly interested in recruiting someone with research interests in (i) data mining and visualisation or (ii) molecular simulation and analysis.

The posts are based at the Unilever Centre for Molecular Sciences Informatics, within the Department of Chemistry. The Unilever Centre has strong international links and collaborations with industrial, academic and other research groups. The successful candidates will have or will be expected to develop a record of world-class research commensurate with the Department’s international reputation.

Teaching responsibilities will include contributing to undergraduate courses, supervising final-year undergraduate research projects and training graduate (MPhil/PhD) students.

Further particulars may be obtained from Mrs Susan Begg (tel: 01223 336432; email: smb28@cam.ac.uk). Informal enquiries about the posts can be addressed to Professor Bobby Glen (tel: 01223 336432; email: rcg28@cam.ac.uk).

The posts are available from October 2009. Applications should include a CV, publications list, contact details for three professional referees, and a completed form PD18 Parts I and III (downloadable from http://www.admin.cam.ac.uk/offices/hr/forms/pd18/), and should be sent to Dr Howard Jones, Department of Chemistry, Lensfield Road, Cambridge CB2 1EW Please quote reference: MA05529. Closing date: 15 September 2009.

The University is committed to Equality of Opportunity.

MAX PLANCK FLORIDA INSTITUTE

2 Max Planck Research Group Leader positions
(Associate Professor level)

The newly established Max Planck Florida Institute, located on the FAU campus in Jupiter, FL, near Scripps Florida will focus its research on bioimaging at the cellular and molecular level. Nobel Laureate Prof. Dr. Bert Sakmann will serve as the inaugural scientific director. Applications for the following research areas are invited:

- Single molecule imaging
- Imaging of synapse dynamics
- Dense EM reconstruction of neural circuits
- Optogenetics and behavior

Candidates are expected to have a record of outstanding and internationally recognized research accomplishments in the above areas.

The positions are funded for a period of initially 5 years, with the possibility of two extensions 2 years each. Each position includes a start-up grant for equipment and salaries for one post-doc, two graduate students and one technician, as well as operating funds.

Application & details available at maxplanckflorida.org

Additional questions to Dr. Claudia Hillinger, VP for Institute Development: claudia.hillinger@maxplanckflorida.org

Deadline for Applications: September 25, 2009

The Max Planck Florida Institute is an Equal Opportunity Employer.
Nontraditional Careers: Opportunities Away From the Bench

Webinar

Want to learn more about exciting and rewarding careers outside of academic/industrial research? View a roundtable discussion that looks at the various career options open to scientists across different sectors and strategies you can use to pursue a nonresearch career.

Now Available On Demand
www.sciencecareers.org/webinar

Participating Experts:
Dr. Lori Conlan
Director of Postdoc Services,
Office of Intramural Training and Education
National Institutes of Health

Pearl Freier
President
Cambridge BioPartners

Dr. Marion Müller
Director, DFG Office North America
Deutsche Forschungsgemeinschaft
(German Research Foundation)

Richard Weibl
Director, Center for Careers in Science and Technology
American Association for the Advancement of Science

Produced by the Science/AAAS Business Office.
The Autonomous Province of Trento has approved with decree n. 1604 dated 25th June 2009 the activation of the "Call for proposals 1 – post-doc 2009 – Incoming" aimed at funding research projects, according to article 22 of the provincial law of 2nd August 2005, no. 14, with the financial support of the European Commission, within the context of the 7th research framework programme for the period 2007-2013 - "People" specific programme - Marie Curie actions - COFUND - "Trentino - The Trentino programme of research, training and mobility of post-doctoral researchers" project.

The research projects must be presented by researchers with a PhD, obtained in Italy or abroad no more than five years before the deadline of this call, or to be achieved within the beginning of the project activities.

The research projects, for which the researchers take scientific and management responsibility, must be presented through the research bodies which have their registered office or operating centres inside Trento Province (host organisations).

The researchers must not already belong to the personnel structure of these research bodies.

The Autonomous Province of Trento has approved with decree n. 1604 dated 25th June 2009 the activation of the "Call for proposals 2 – team 2009 – Reintegration" aimed at funding research projects, according to article 22 of the provincial law of 2nd August 2005, no. 14, with the financial support of the European Commission, within the context of the 7th research framework programme for the period 2007-2013 - "People” specific programme - Marie Curie actions - COFUND - "Trentino - The Trentino programme of research, training and mobility of post-doctoral researchers” project.

The research projects must be presented by researchers with a PhD, obtained in Italy or abroad at least five years before the deadline of this call, or with equivalent experience gained in qualified Italian or foreign research centres or laboratories.

The research projects, for which the researchers take scientific and management responsibility, must be presented through the research bodies which have their registered office or operating centres inside Trento Province (host organisations).

The researchers must have obtained an academic qualification in Trentino of at least secondary school level and have carried out research abroad, in qualified research centres or laboratories, for at least three years before the deadline of this call.

The research projects, for which the researchers take scientific and management responsibility, must be presented through the research bodies which have their registered office or operating centres inside Trento Province (host organisations).

The guidelines for the formulation and the submission of the research project proposals, which must be edited according to a specific format, and any other aspect are reported in the call for proposals available at the internet site:

http://www.uniricerca.provincia.tn.it/bandi_ricerca.asp

Deadline for proposal submission is 5 p.m. of Monday September 14th, 2009.

Head of the University and Scientific Department
- Fernando Guarino -
ECCENTRIC BIOLOGIST
TENURE-TRACK FACULTY POSITION

Augustana College, Sioux Falls, South Dakota, invites applications for a tenure-track ASSISTANT PROFESSOR in the Department of Biology beginning September 2010. A Ph.D. is expected; postdoctoral experience is preferred. The position carries both teaching and research expectations. A very generous research startup will be provided.

Salary is competitive and dependent upon qualifications; excellent fringe benefits are included. Please visit our website: http://www.augie.edu/jobs for more information on the position along with the application procedure.

Augustana College is an Equal Opportunity/Affirmative Action/Title IX Employer. Qualified women and minority applicants are encouraged to apply. Applicants must comply with the Immigration Reform and Control Act and are required to submit official transcripts upon employment.

POSTDOCTORAL POSITION
Macrophage Signal Transduction
Beth Israel Deaconess Medical Center

A Postdoctoral position is available beginning August 2009 to study macrophage innate immune receptor-mediated signal transduction pathways. These NIH-supported studies focus on alveolar macrophage innate immune responses to opportunistic pathogens, and examine the influence of HIV-1 infection. M.D./Ph.D. applicants with at least two years of postdoctoral experience in macrophage cell and molecular biology, and with published experience or strong interest in HIV virology/cellular immunology and signal transduction pathways are encouraged to apply. Immunohistochemistry and confocal microscopy experience is desirable.

Applicants should submit a cover letter indicating your research interests and expertise, curriculum vitae, and three letters of reference to: Souvenir D. Tachado, M.D., Division of Pulmonary and Critical Care Medicine, Dana 6, Room 652, Beth Israel Deaconess Medical Center, 330 Brookline Avenue, Boston, MA 02215. E-mail: tachado@caregroup.harvard.edu. BIDMC is an Equal Opportunity, Affirmative Action Employer.

POSTDOCTORAL POSITION
The University of Rochester
School of Medicine and Dentistry
Division of Endocrinology and Metabolism

POSTDOCTORAL POSITION
The University of Rochester
School of Medicine and Dentistry
Division of Endocrinology and Metabolism

Postdoctoral positions are available in the laboratory of Stephen Hammes, M.D., Ph.D., Chief of Endocrinology and Metabolism at the University of Rochester School of Medicine. The laboratory studies steroid production and signaling in the ovary. The basic research focus is on nongenomic steroid signaling and G protein cross-talk with steroid and epidermal growth factor receptors. The translational focus is on diseases of androgen excess such as polycystic ovarian syndrome (PCOS) and androgen-dependent tumors such as prostate cancer. A highly motivated M.D. or Ph.D. with training in molecular biology and experience in handling mouse is required. Please electronically transmit curriculum vitae and cover letter plus names of three references to: Stephen Hammes, e-mail: stephen_hammes@urmc.rochester.edu.

The University of Rochester has a strong commitment to principles of diversity and, in that spirit, actively encourages applications from groups underrepresented in higher education.

POSTDOCTORAL SCIENTIST
The Institute Pasteur

The laboratory of Integrative Neurobiology of Cholinergic Systems at the Pasteur Institute in Paris has an opening for a young scientist: Postdoctoral scientist, funded in the first instance by a two-year grant from the French National Science Foundation (ANR). The successful candidate will carry out slice electrophysiology in the laboratory. Prior experience in electrophysiology is required. Interested candidates should contact: Dr. Uwe Maskos, e-mail: umaskos@pasteur.fr, and ask two references to send letters of recommendation.

SENIOR GENOMICS SCIENTIST
Are you interested in systems genetics?
Do you want to make an impact on genomics research?
At RTI International, you can use your experience, creativity, and bioinformatics skills to address cutting-edge problems in genetics and genomics.
Qualifications include: motivation to establish an independent research program; demonstrated ability to secure funding; experience with development of data visualization tools; experience with analysis of complex data sets.

To learn more and apply, visit website: http://www.rti.org/job11323.

We are proud to be an Equal Employment Opportunity/Affirmative Action Employer, Minority/Female/Pension with Disabilities/Veterans.

POSTDOCTORAL POSITIONS

The University of Rochester
School of Medicine and Dentistry
Division of Endocrinology and Metabolism

POSTDOCTORAL POSITIONS

The University of Rochester
School of Medicine and Dentistry
Division of Endocrinology and Metabolism

Application procedure.

Please visit our website: http://www.augie.edu/jobs for more information on the position along with the application procedure.

Augustana College is an Equal Opportunity/Affirmative Action/Title IX Employer. Qualified women and minority applicants are encouraged to apply. Applicants must comply with the Immigration Reform and Control Act and are required to submit official transcripts upon employment.

POSTDOCTORAL POSITION
The University of Rochester
School of Medicine and Dentistry
Division of Endocrinology and Metabolism

POSTDOCTORAL POSITION
The University of Rochester
School of Medicine and Dentistry
Division of Endocrinology and Metabolism

Postdoctoral positions are available in the laboratory of Stephen Hammes, M.D., Ph.D., Chief of Endocrinology and Metabolism at the University of Rochester School of Medicine. The laboratory studies steroid production and signaling in the ovary. The basic research focus is on nongenomic steroid signaling and G protein cross-talk with steroid and epidermal growth factor receptors. The translational focus is on diseases of androgen excess such as polycystic ovarian syndrome (PCOS) and androgen-dependent tumors such as prostate cancer. A highly motivated M.D. or Ph.D. with training in molecular biology and experience in handling mouse is required. Please electronically transmit curriculum vitae and cover letter plus names of three references to: Stephen Hammes, e-mail: stephen_hammes@urmc.rochester.edu.

The University of Rochester has a strong commitment to principles of diversity and, in that spirit, actively encourages applications from groups underrepresented in higher education.

POSTDOCTORAL SCIENTIST
The Institute Pasteur

The laboratory of Integrative Neurobiology of Cholinergic Systems at the Pasteur Institute in Paris has an opening for a young scientist: Postdoctoral scientist, funded in the first instance by a two-year grant from the French National Science Foundation (ANR). The successful candidate will carry out slice electrophysiology in the laboratory. Prior experience in electrophysiology is required. Interested candidates should contact: Dr. Uwe Maskos, e-mail: umaskos@pasteur.fr, and ask two references to send letters of recommendation.