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The University of Chicago/Department of Radiation and Cellular Oncology and the Ludwig Center for Metastasis Research is seeking applicants for full-time RESEARCH ASSOCIATE (ASSISTANT PROFESSOR, all ranks). The primary activity of a Research Associate is research in association with a faculty member or team. Candidates are required to possess a Doctorate degree and prior research experience in the field of molecular and cellular biology and models of metastasis.

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FULL PROFESSOR FACULTY POSITION

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University of Minnesota

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Review of applications will commence on April 14, 2008. Applicants should send curriculum vitae, statement of research interests, and three letters of reference to: Faculty Search Committee, Attn: Linda King, Department of Neuroscience, 6-145 Jackson Hall, 321 Church Street S.E., Minneapolis, MN 55455. E-mail: kings040@umn.edu. Electronic versions of the application may be e-mailed but must be followed with a hard copy for the official search files.

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To receive fullest consideration, applications must be received by April 30, 2008; position opened until filled. Expanded position description at website http://www.vetmed.ucdavis.edu/pmi/PMIpage1.htm. Submit letter of intent outlining special interest in the position, overall qualifications, experience, and career goals; curriculum vitae; and names, addresses, and e-mail addresses of five professional references to Dennis W. Wilson, Chairman, Department of Pathology, Microbiology and Immunology, School of Veterinary Medicine, University of California, Davis, CA 95616. Attn: Donna Roggenkamp. Affirmative Action/Equal Opportunity Employer.
EXODUS TO ASIA: 
RESEARCH OPPORTUNITIES ABOUND

Asia is enjoying enormous investment in science and technology, and is proving a major attraction in the scientific jobs market. By Julie Clayton

Science and technology is booming in Asia, and acting as a magnet for Asian scientists wishing to return home after training in the West—especially to China—attracted to full- or part-time positions in both academia and industry.

Promoting the eastward migration is a strong government push—particularly in China, Singapore, Korea, and Japan—to become global players in science and technology, and massive investment from the pharmaceutical industry. The result is a heady mix of new R&D opportunities.

Yet the “returnees” are only one side of the story. Also finding new opportunities are Western scientists wishing to work in Asia—including academics taking up professorships at Chinese universities. At the same time, scientific institutions in the West are keen to seize the new opportunities for research collaboration in Asia. All of this means that Asia is now enjoying a significant brain-gain.

The Road to China
Several major international pharmaceutical companies are expanding their research and development in China. The city of Shanghai, which has become a mecca for science generally, is now home to both a growing local pharmaceutical industry as well as international companies like Roche, Novartis, Novo Nordisk, GlaxoSmithKline, and AstraZeneca. Consequently, research opportunities go beyond the R&D pipeline to include drug manufacturing, clinical research, quality assessment, and quality control.

Roche was the first multinational pharmaceutical company to arrive at the Zhangjiang Hi-Tech Park in 1994. It opened a new research center in 2004 followed by a development center in 2007, and aims to bridge the gap between basic research and China’s “huge resource in clinical research.” The goal is to identify new disease diagnostic markers and develop new therapies, according to the company’s head of R&D in China, Andreas Tschirky, and chief scientific officer Li Chen.

Chen, who returned to China after training in the United States, notes, “For many years there was a brain drain to the United States and Europe, but now there is a reversal because of the attractiveness of the job market for highly qualified people.”

According to Tschirky, scientific enterprise in China is being actively welcomed by the Chinese government and local authorities, who are showing “strong leadership” and are “more proactive” than in the United States or Europe in listening to the views of scientists on the need for scientific innovation. To capture this momentum, Roche aims to provide a platform for local innovation to be transformed into marketable products.

Besides actively recruiting, the company is striving to team up more with Chinese academics, clinicians, and local biotech as well as providing basic research grants—no strings attached—to promote understanding of disease processes.

Novartis also has an existing research facility at the Zhangjiang Hi-Tech Park in Shanghai with approximately 100 scientists. This will be superceded by a new, larger facility on which construction begins this spring, with a capacity for around 400 scientists.

“Shanghai is clearly emerging as a new epicenter of global science, continued »

Shanghai is clearly emerging as a new epicenter of global science, and is a magnet for top research scientists.”

“Shanghai is clearly emerging as a new epicenter of global science, and is a magnet for top research scientists.”

UPCOMING FEATURES
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“In the last few years, our small institute [now with 17 principal investigators] is publishing at least one-third of all high-profile papers in the biological sciences from China.”

— Mu-ming Poo

and is a magnet for top research scientists,” says En Li, vice president and head of the new facility, which provides “a significant opportunity for Novartis to develop life-saving treatments,” with particular regard to cancers that are endemic to the region.

Denmark-based Novo Nordisk, which focuses on diagnosis and treatment of diabetes and other conditions, is actively expanding its R&D base in Beijing. “China is a grossly underestimated scientific force,” says chief scientific officer Mads Krogsgaard, pointing to China’s current world ranking as fourth in publications output (according to National Science Foundation Science and Engineering Indicators 2008).

The company is recruiting graduates from local universities into scientific posts at its R&D center, while looking mainly to Chinese expatriates from Europe and the United States to fill managerial positions. The latter have the advantage of “an international mindset but are still culturally Chinese,” says Krogsgaard, highlighting, in particular, analytical skills and the ability to collaborate with people of different backgrounds as particular strengths of Western trained scientists.

The Novo Nordisk R&D center was first established in 2002 to optimize recombinant protein production, but is now moving on to do “real project work and be more innovative,” including developing new drug targets. To complement the R&D expansion, the company is also creating a new research foundation, in partnership with the Chinese Academy of Sciences (CAS), to fund new research projects, scholarships, and exchanges for scientists working in protein science, particularly diabetes—a condition affecting around 40 million Chinese.

In contrast, China’s biotech industry is in a fairly fledgling stage, according to Zailin Yu, a Chinese biologist who has returned to China from California. He took up a position as an adjunct professor at Peking University College of Life Sciences, and set up two companies. Despite owning the patent to a new technology for the production of recombinant protein-based drugs, he has not found it easy to attract private investment within China, and has had to turn to Chinese government grants and venture capital from the US, to fund his startups.

“In China it’s hard to find [a venture capitalist] who is patient enough to wait for animal testing, clinical trials, and then a product.” But he expects this to change in future as the market for new drugs is rapidly growing.

Scientists returning to China are also finding attractive positions in academia. Mu-ming Poo, director of the Institute of Neuroscience (ION) in Shanghai, part of CAS, is actively recruiting from abroad to the institute. He knows well the experience and skills that such researchers can bring to China, having spent nearly 30 years working in the US when he took up the directorship in 1999.

When Poo was about to accept a professorship at the University of California, Berkeley, in 1998, he was asked by president Lu Yongxiang of CAS to help promote Chinese neuroscience. Poo felt that he would not have the right impact if his task were just to “renovate old institutes.” Instead, he proposed a brand new Institute of Neuroscience with a modern infrastructure, “in other words merit-based rather than seniority-based promotion and resource allocation.”

Poo, now director of ION, spends one week per month there, while at the same time maintaining his position as Paul Licht Distinguished Professor in Biology at the Department of Molecular and Cell Biology at Berkeley. He is proud that the institute has made its name with a high quality of scientific output. “In the last few years, our small institute [now with 17 principal investigators] is publishing at least one-third of all high profile papers in the biological sciences from China.”

Most of the scientists moving to China are returning expatriates, as the culture and bureaucracy means that it is easier continued »
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—Victor Nurcombe

for Chinese speakers to gain positions in the country, according to Poo. All documentation regarding work permits, contracts, and grant applications, for example, are in Chinese.

He and others at ION are trying to make it easier for non-Chinese researchers by employing office staff who can speak and write in English, and by conducting seminars and lab meetings in English. “We now have a few non-Chinese students and postdocs. Our plan is that in a few years we are ready to accommodate non-Chinese principal investigators. Our goal is to be an international research institute, with a substantial fraction of non-Chinese PIs, similar to the Brain Science Institute of Riken in Tokyo, which now has 20 percent to 30 percent non-Japanese research staff.”

Scientists returning to China are having a strong impact, comments Nancy Ip, director of the Biotechnology Research Institute (BRI) at Hong Kong University of Science and Technology (HKUST). “These returnees enhance the innovation capabilities of China as they bring back with them a wealth of overseas experience such as exposure to cutting-edge research, knowledge of international standards, and a broad international network,” she says.

In Hong Kong, in contrast, the biopharmaceutical industry is more in its infancy, according to Ip. Most of the cutting-edge research is university based, and is thriving in all areas of life sciences and medicine as well as in the physical sciences, particularly analytical and synthetic chemistry.

Jobs Galore in Singapore
Meanwhile Singapore is attracting considerable attention with the establishment of two flagship R&D centers by the government Agency for Science and Technology Research (A*STAR). The first is Biopolis, opened in 2003 to develop biomedical sciences. The second is Fusionopolis, devoted to creating the next generation of technologies, materials, and devices and due to open later this year.

The two megacenters currently employ around 3,000 researchers across 14 separate research institutes and are overseen by the Biomedical Research Council (BMRC) and the Science and Engineering Research Council (SERC). They are intended to improve the visibility of Singapore’s R&D, foster multidisciplinary research, create new commercial spinoffs, and partner with local industries. They are attracting local and returning Singaporeans and scientists from other countries.

“It is a truly international research community, embracing all nationalities, all faiths, and all ethnic groups,” says Andre Wan of BMRC.

“A lot of things are happening at a very fast pace,” says Jackie Ying, who was a professor for 11 years at MIT in Cambridge, Massachusetts, before moving to Singapore in 2003 as executive director of the Institute for Bioengineering and Nanotechnology, “and Singapore has tremendous research opportunities, especially in the biomedical areas.”

Around 80 percent of the institute’s scientists are either returning Singaporeans or foreign-born—mostly from the United States, Europe, Australia, and Asia—and include chemists, biologists, computer scientists, electrical and mechanical engineers, and medical doctors. “They come over because they are excited about the research,” says Ying.

In comparison to when she was in the US, Ying feels she has more funding options and more flexibility about research directions in Singapore. However, she still maintains an adjunct position at MIT.

Singapore’s legacy as a former British colony means that English is the official working language, making the recruitment of scientists, for example, from North America, Europe, and Australia relatively easy compared to elsewhere in Asia.

For Victor Nurcombe, coming to Singapore after working in Europe, the United States, and Australia was “a revelation.” He arrived four years ago from the University of Queensland to work at the Institute of Cell and Molecular Biology. “It’s the easiest place to work I’ve ever been. Facilities, resources, and money are amazing. continued »
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And the drive to accomplish something world class is breathtaking!” he enthuses. “To be relieved of all the burdensome administration, to be just left alone to do the best science, not constrained by endless grant writing or budgets—that’s not to like?”

Certainly, if the investment is anything to go by, then Singapore is well on the way to its aim of becoming a major scientific hub in Asia. A*STAR gets a five-year budget of US$3.6 billion, and this for a population of only 4 million people.

The multiethnic makeup of Singapore (particularly Chinese, Indian, and Malay communities) together with good health care infrastructure is attracting pharmaceutical companies wishing to do clinical trials—for example GlaxoSmithKline, Novartis, Eli Lilly and Company, Pfizer, Merck, and Schering-Plough. Elsewhere in Singapore existing links with the West are already strong, and getting stronger. For example at the Nanyang Technological University (NTU), recruitment of international faculty is occurring across a wide range of subject areas, including engineering and science, with special emphasis on its Nanyang Assistant Professorship scheme, awarding 10 to 12 distinguished young faculty each year with a competitive salary and up to $1 million startup funds over the first three years. And at the postdoctoral level, NTU is working through the SINGA Scheme with A*STAR to recruit candidates from Eastern Europe, Russia and Ukraine, and the Middle East as well as to bring in Singaporean students.

Similarly, the National University of Singapore (NUS) is thriving in many areas. “We recruit both locally and overseas, and particularly like to ‘attract back’ overseas Singaporeans who have distinguished themselves in research,” says Barry Halliwell, deputy president (research and technology). NUS also has links with leading overseas partners and international education alliances.

East Meets West
Meanwhile, scientific institutions in Europe and North America are forging international partnerships spanning East and West. The German Research Foundation (DFG) is encouraging links between its scientists and collaborators in China, Korea, and Japan. This is most advanced in China, where the Sino-German Center for Research Promotion in Beijing, funded jointly with the National Natural Science Foundation of China, supports cooperation between Chinese and German scientists doing basic research in the natural, life, engineering, and management sciences.

“We would warmly encourage scientists to [come to China], because China’s science system is becoming increasingly interesting and offers a growing number of opportunities,” says the center’s German director Armin Krawisch.

At a more preliminary stage, but also promising, is the promotion of new ties between DFG and the Japan Society for the Promotion of Science (JSPS), illustrated by a joint symposium in Hamburg in January 2008 for young researchers on global climate change science. Along similar lines, the umbrella organization for the UK’s research councils—RCUK—opened an office in Beijing in October 2007, with a view to enabling the research councils to offer UK-China funding opportunities (ideally in conjunction with Chinese funding agencies) and make it easier for individual researchers to develop contacts with key partners in other countries, according to the office director, Chris Godwin.

Current plans include several small schemes for facilitating research and travel, while four major projects are also under way involving different UK academic institutions, to promote research into urban sustainability.

Other links between Europe and Asia include plans by the European Science Foundation and the Korea Research Foundation to create new exchange and research initiatives. The Korean government has invested heavily in R&D, for example, in both the private and academic sectors, having increased spending between 2000 and 2004 from 2.4 percent to 2.9 percent, and is looking to forge links with other countries. But Korea has yet to see the influx of trained scientists that China is enjoying, and increasing numbers of students are opting to study abroad, particularly in the US, and may not return to Korea.

Tips for Travelers
So what tips are there for all the foreign scientists in the West who are considering packing their bags for Asia?

Scientists heading for China should “be willing to adapt to, or at least accept, the different conditions in work life, habits, salaries, structures and hierarchies, decision making, equipment, and so on,” says Krawisch. He adds that “cultural training on Chinese characteristics and—for those who stay longer—some Chinese language skills are highly recommended.”

In Singapore, Nurcombe advises, “Use the opportunities given to you as best you can. The island is developing its research foci and its research style so, because it’s very compact, you can have a major effect on how things happen.”

British researcher Jonathan Hobley at the Institute of Materials Research and Engineering recommends that foreign scientists begin networking as soon as they arrive—taking advantage of the high density of labs. “It is valuable and pays rapid dividends if you let people know what you are doing and where you can work with them.” But, he warns, “Don’t flock with your own kind too much. Although you may be tempted to work preferentially with fellow countrymen, especially if you feel yourself in a strange land, it will inevitably limit your horizons.”

Julie Clayton, a freelance science writer and journalist, works out of Bristol, UK.

DOI: 10.1126/science.opms.0800050
CAREERS IN BIOENGINEERING AND NANOTECHNOLOGY

The Institute of Bioengineering and Nanotechnology in Singapore is seeking highly motivated individuals who are interested in making an impact in advancing research and development in the following areas:

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<th>Delivery of Drugs, Proteins and Genes</th>
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<td>Which encompasses the efficient catalytic synthesis and separation of chiral pharmaceuticals.</td>
<td>Where the controlled release of various therapeutics involves the use of functionalized polymers and hydrogels for targeting diseased cells and organs, or for responding to specific biological stimuli.</td>
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<th>Medical and Biological Devices</th>
<th>Cell and Tissue Engineering</th>
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<td>Which involve nanotechnology and microfabricated systems for the detection and treatment of diseases.</td>
<td>Where sophisticated materials architecture is employed to design and fabricate living replacement devices for surgical reconstruction and transplantation.</td>
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<th>Bioimaging and Biosensing</th>
<th>Artificial Organs and Implants</th>
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<td>Which comprises the imaging of cells, tissues, small animals and biomaterials using advanced techniques and novel imaging tags (e.g. quantum dots), as well as the sensing and detection of biologics and biomolecules using nanostructured materials.</td>
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The National University of Singapore (NUS) is one of the premier research universities in the Asia-Pacific. The Life Sciences Institute (LSI) at NUS is actively seeking outstanding individuals to join the University for academic and research appointments. LSI coordinates, integrates and synergizes the various life sciences programmes at NUS and its affiliated research institutes. We have openings for tenure-track positions at Assistant/Associate/Full Professorship level and numerous 2-year postdoctoral fellowships in the following disciplines:

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<td>Ageing/Neurobiology</td>
<td>Structural Biology/Functional Genomics</td>
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<td>Bioengineering/Tissue Engineering</td>
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<td>Hepatology</td>
<td>Medicinal Chemistry/Toxotoxicology/Clinical trials</td>
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<td>Infectious Diseases</td>
<td>Mechanobiology</td>
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NUS offers competitive salary package, conducive research environment and attractive start-up funds comparable to most North American universities. Successful applicants will be appointed as faculty in related academic departments.

Singapore is a vibrant garden city with year round tropical climate and rich multicultural heritage. Many top international scientists have made Singapore their home taking advantage of the excellent faculties and strong funding support for R&D.

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Director, NUS Life Sciences Institute
Attention: Mrs Ellice Lim
National University of Singapore, Singapore
Website: www.lsi.nus.edu.sg/
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National University of Singapore
NATIONAL RESEARCH FOUNDATION RESEARCH FELLOWSHIP SCHEME

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Established in 1905, the National University of Singapore (NUS) has evolved into a quality teaching and research-intensive institution, which is acknowledged as one of the premier research universities in the Asia-Pacific. The University is currently ranked in the 51-100 in the world and 4th in Asia in the Times Higher Education Supplement-QS University Rankings 2017. It is top in Asia for Life Sciences & Biomedicine taking the 12th position in the world.

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Singapore is a vibrant garden city with year round tropical climate and rich multicultural heritage. Many top international scientists have made Singapore their home taking advantage of the excellent facilities and strong support for R&D.

Application Procedures
1. Applicants should submit their detailed CV including age, research interests and detailed publication listing to Mrs Ellice Lim at ellice@nus.edu.sg.
2. Shortlisted applicants may be invited to Singapore for an interview session conducted by the Life Sciences Institute.

For further information please contact:
Director, NUS Life Sciences Institute
Attention: Mrs Ellice Lim
National University of Singapore, Singapore
Website: www.lsi.nus.edu.sg/
Email: ellice@nus.edu.sg
National University of Singapore Graduate School for Integrative Sciences and Engineering

Appointment of Executive Director

The NUS Graduate School for Integrative Sciences and Engineering (NGS) (http://www.nus.edu.sg/ngs) is a premier graduate school of the National University of Singapore (NUS), a leading university in Asia and globally. NGS offers opportunities to top quality students for interdisciplinary PhD research with carefully selected supervisors. Students also undertake cross-disciplinary coursework tailored to students’ individual needs and interests. NGS now seeks an Executive Director, responsible to the Office of the President, for the operations of NGS. The Director should be a distinguished scientist, engineer, or clinician-scientist with a strong record of interdisciplinary research in science, engineering, computer science, or biomedical research. He/she should also have strong interest in, and experience of, developing excellent graduate programmes. It is expected that the Director will hold simultaneous senior academic positions in one or more of the relevant Faculties/Schools at NUS (Engineering, Science, Medicine, Computing).

Applications with full CV and the names of at least three referees should be sent to the Chair of the Search Committee at the following address:

Professor W. R. Schowalter
c/o Ms Wu Yilian
Office of the Deputy President (Research and Technology),
National University of Singapore
University Hall
Lee Kong Chian Wing, UHL #05-02H
21 Lower Kent Ridge Road
Singapore 119077

Informal/Confidential enquiries can be made to Professor Schowalter (upwrs@nus.edu.sg) or to Professor Barry Halliwell (bchbh@nus.edu.sg), the current Executive Director of NGS and Deputy President (Research and Technology) at NUS.

Department of Biological Sciences
Faculty of Science
Faculty Search on Mechanobiology

The Department of Biological Sciences, National University of Singapore (NUS) invites applications at all levels for Postdoctoral Research Fellowship, tenure-track faculty positions at Assistant Professorship, Associate Professorship and Full Professorship to join a newly established flagship program in Mechanobiology.

The program aims to develop a complete nanometer-level description of basic functional modules used by cells to better understand the processes underlying cancer, regeneration and bacterial pathogenesis. We are seeking dynamic candidates with expertise in molecular and cell biology, biophysics, nanofabrication or computational modeling to participate in this exciting interdisciplinary program.

Established in 1905, NUS has evolved into a top teaching and research-intensive institution, acknowledged as one of the finest universities in the Asia-Pacific. We are the largest life sciences department in NUS and have already established state-of-the-art research facilities in structural biology and developmental biology, and with strong international link-up. Faculty members can expect competitive salary and generous research support and start-up packages as at the top universities in USA and Europe.

Please submit your applications (form downloadable from www.dbs.nus.edu.sg) along with curriculum vitae, research plan and names of three external referees to:

Professor Choy-Leong HEW
Head, Department of Biological Sciences
National University of Singapore
14 Science Drive 4
Singapore 117543
Republic of Singapore
Fax: (65) 6779 5671
Email: dbs@head@nus.edu.sg

Director Positions
Institute of Cellular and Organismic Biology
and
Institute of Plant and Microbial Biology
Academia Sinica, Taiwan

Academia Sinica, Taiwan, invites applications and nominations for the positions of Director of Institute of Cellular & Organismic Biology (ICOB) and Director of Institute of Plant and Microbial Biology (IPMB). The initial appointment is for a period of three years (renewable for a second term), and will also carry the title of Research Fellow. Academia Sinica is the pre-eminent academic institution in Taiwan. It is devoted to basic and applied research in mathematics and physical sciences, life sciences, and humanities and social sciences. ICOB currently engages in the following research areas: Integrative studies in mechanisms of animal adaptation, animal viruses and microbiology, and animal models and drug screening. IPMB’s research ranges from plant molecular and cell biology, genetics, physiology, pathology and systematics. Two Academia Sinica Research Stations, Marine Research Station and South Taiwan Agricultural Research Station, are available for Academia Sinica researchers. Both institutes are well funded and equipped with modern research facilities. For details about Academia Sinica and ICOB and IPMB, please consult the website: http://www.sinica.edu.tw

Interested candidates should have a Ph.D. degree, a distinguished record of academic scholarship, and diverse experience in university and professional service. He/she is expected to pursue a vigorous research program. The successful candidates will be expected to build on the existing strengths of the respective institutes, develop new research thrusts, promote basic life sciences and provide intellectual leadership in relevant basic and applied life sciences in Taiwan.

Applications and nominations, including complete curriculum vitae, a publication list, and three letters of recommendation, should be submitted to Dr. Andrew H.-J. Wang, Vice President, Academia Sinica, 128 Academia Road Section 2, Nankang, Taipei, 115, Taiwan or by email to: searchvp@gate.sinica.edu.tw. Screening of applications/nominations will begin immediately, and will continue until the positions are filled.
Tenure Track Faculty Positions in Microbial Genomics/Genetics

Agricultural Biotechnology Research Center

Academia Sinica, Taiwan

Applications are invited for tenured-track research fellow positions at the Assistant or Associate level (equivalent of assistant/associate professor). The successful candidates will be expected to develop a rigorous research program in the field of microbial genomics/genetics. Areas of interest include but are not limited to: molecular plant pathology, environmental microbiology, exploring microbial genomes for enzyme biotechnology, and metabolic engineering of microorganisms.

The ABRC will be in a major expansion and is developing an integrated research program in enzyme biotechnology. Several new faculty hires are anticipated over the next several years, and a new research building equipped with state-of-the-art facilities will be opened in December 2008.

For more information on ABRC and Academia Sinica, please visit our websites at http://abrc.sinica.edu.tw/ and http://www.sinica.edu.tw/main_e.shtml, respectively.

Qualifications: Ph.D. in microbiology, plant pathology, or related field, postdoctoral experience and knowledge skills in microbial genetics or genomics. We are particularly interested in applicants who are seeking a highly collaborative research environment. Applicants should submit the following materials online, at http://abrc.sinica.edu.tw/jobs/:
(a) Cover letter; (b) Curriculum vitae, including publications; (c) A summary of research accomplishments; (d) Clearly focused description of future research plans; (e) PDF copies of major publications; (f) Names and contact information for three referees. Candidates should arrange three letters of recommendation to be submitted by e-mail to: abrc@gate.sinica.edu.tw or sent by regular mail to: Faculty Search Committee, Agricultural Biotechnology Research Center, Academia Sinica, No. 128, Academia Rd. Sec. 2, Nankang, Taipei 11529, Taiwan, ROC. Review of candidates will begin on April 15 2008 and continue until the positions are filled.

Stellar Keynote Line Up:

- Kiyoshi Kurokawa, M.D. Ph.D., Chairman, Health Policy Institute, Japan
  Biotechnology Innovation
- Shinya Yamanaka, M.D., Ph.D., Professor, Department of Stem Cell Biology, Institute for Frontier Medical Sciences, Kyoto University, Japan
  Induced Pluripotent Stem Cells in Drug Discovery and Toxicology
- Ken-ichi Arai, M.D., Ph.D., Professor Emeritus, University of Tokyo, Founding President, Asia-Pacific IMBN and President & CEO, SBI Biotech Co., Ltd./Gingko Biomedical Research Institute, Japan
  Translational Research and a Genomic Approach to Cell Therapy: Manipulating the Immune System for Drug Development

Meeting this one-of-a-kind conference in Japan to learn about cutting-edge science and R&D strategies and benefit from numerous networking, partnering and collaboration opportunities.

Register today at www.IBCLifeSciences.com/Japan or call (+65) 6514-3180. Use priority code R8182SAJA.

POSITIONS OPEN

Faculty Positions

–All Ranks–

Program in Emerging Infectious Diseases

The Duke-NUS Graduate Medical School Singapore (Duke-NUS GMS) is unique in bringing post-baccalaureate, research-intensive medical education to Asia, and represents a truly global partnership between two leading universities: National University of Singapore and Duke University. The Duke-NUS GMS shares a modern campus with Singapore’s largest hospital and several national research centers. The Duke-NUS GMS is creating a world-class, academically based Program in Emerging Infectious Diseases that will both enhance health care in Singapore and serve as a national and international resource of excellence in emerging infectious diseases. The mission of the Program faculty will be to conduct high level basic applied and translational research and to train graduate students, post-doctoral fellows, physician scientists and scientists in the disciplines relevant to emerging infectious diseases.

We are seeking individuals with outstanding scientific credentials for the Program. Faculty will be provided with the space and resources necessary to conduct state of the art research. The packages for faculty recruits will include full salary, generous start-up, and five years of annual research funding of up to S$500K-p.a., assuring a stable base of support that can be supplemented to conduct high-level basic, applied and translational research, and to serve in important roles in the emerging infectious diseases. In addition to basic and physician scientists, we are seeking epidemiologists and entomologists. The faculty members will join the pioneering Duke and Singapore investigators already affiliated with the Duke-NUS GMS (see www.gms.edu.sg).

Interested candidates should send a CV and the names of three references to: Duane J Gubler, Sc.D., Director, Program in Emerging Infectious Diseases, Duke-NUS Graduate Medical School, Singapore by email to: faculty.id@gms.edu.sg.

For further enquiries on the faculty position, you may also email to: Duane J Gubler at faculty.id@gms.edu.sg.
Chair in Theoretical Chemistry
at the Department of Physical and Analytical Chemistry, Programme of Quantum Chemistry at the Ångström Laboratory

Within theoretical chemistry, the department presently offers postgraduate courses and research opportunities in applied quantum chemistry, theoretical chemical physics and computational chemistry. The subject is broad and comprises areas such as solar cells, radical chemistry, exotic molecules and anti-atoms, quantum information theory and numerical methods for quantum dynamics. Electronic structure calculations are central. Uppsala University is looking for a person who can further strengthen the research area towards chemistry and molecular science or else establish a new area. Collaboration with experimental activities within chemistry is also a qualification.

The tasks will include: Comprehensive responsibility for research and postgraduate studies in theoretical chemistry, teaching and advising PhD-students and undergraduate students. Research in theoretical chemistry. Information about research and development and planning. of new research projects. Administration at a divisional or higher level.

For further information about the position, please contact professor Kristina Edström, tel +46 (0)70 167 9006. Information about the Section of Chemistry can be found at www.chemistry.uu.se and about the Department of Physical and Analytical Chemistry, Quantum Chemistry at www.kvac.uu.se.

Further particulars including instructions for applicants can be obtained from Anita.Ljungstrom@uadm.uu.se. This information can also be found at http://www.teknat.uu.se/english/index.php. Closing date for acceptance of applications is April 21, 2008.
Tenure Track/Tenure-Eligible Investigator

The Neuro-Oncology Branch (NOB) of the National Cancer Institute, component of the National Institutes of Health, is calling for applications for a Tenure-Track/Tenure-Eligible Investigator. The overall goal of the NOB is to develop novel therapeutic strategies for the treatment of primary brain tumors through an understanding, exploitation, and eventual clinical translation of the principles underlying the molecular and genetic pathogenesis of these tumors. Our approach is to leverage the unique resources of the intramural NIH program, including its tremendous scientific and clinical freedom to explore high risk yet high pay off projects, to build an NIH-wide pre-clinical and clinical brain tumor experimental therapeutics center. NOB works collaboratively and synergistically with both the NIH extramural community as well as with the private sector to ensure the most efficient and rapid development of novel approaches to the treatment of these devastating tumors. In order to accomplish these goals, the NOB is trying to identify candidates with a broad knowledge of basic cancer biology, clinical oncology and a strong motivation for translational research in brain tumors with a particular emphasis on gliomas.

The successful candidate must have an MD or MD/Ph.D. Degree and should have substantial experience (documented by an extensive publication record) in one or more of the following fields: signal transduction mechanisms, gene discovery, therapeutic target development, molecular/cellular cancer biology, cancer genetics and genomics. A preference will be given to physician scientists with a strong background in clinical medical oncology/neuro-oncology and with an emphasis in translational research. The candidate is expected to develop his/her own line of research to complement and enhance the current efforts of the NOB towards elucidating the biology of gliomas and alleviating the suffering of patients with brain tumors through the development of innovative therapeutic approaches.

Salary will be commensurate with experience.

Interested applicants should submit:
• A letter of indicating their interest in the position
• A statement of research interests
• A career synopsis
• Current curriculum vitae and complete bibliography
• Names and addresses of five references

Applications should be postmarked by July 11, 2008 to: Dr. Kevin Camphausen, Chair, c/o Karen Abraham, Neuro-Oncology Branch Search Committee, Bloch Building, MSC 8200, Room 237, 9030 Old Georgetown Road, Bethesda, MD 20892.

DHHS, NIH, the National Cancer Institute and the National Institute of Neurological Disorders and Stroke are Equal Employment Opportunity and Affirmative Action employers that value and foster diversity throughout the entire organization.

Post-doctoral Positions Available
Laboratory Of Molecular Biology
National Cancer Institute

Applicants are invited for two postdoctoral positions at the Intramural Research programs at National Cancer Institute, National Institutes of Health, Bethesda, MD 20892 to study structure and function of bacterial chromosome with emphasis on DNA looping, DNA dynamics and regulatory mechanisms of gene transcription. Interested candidates are expected to have received a doctorate degree within the last 5 years and have experience in macromolecular biophysical and biochemical techniques, or computational biology and structural bioinformatics. Please submit a CV and Bibliography and names of at least three references that are familiar with your research activities. Please submit all of your documents to Ms. Ann Schombert, Executive Secretary, Laboratory of Molecular Biology, CCR, NCI, Building 37, Room 5106, Bethesda, MD 20892-4264; phone: 301-451-8714, Fax: 301-402-1344, email: schombea@pop.nci.nih.gov. The NCI is an Equal Opportunity Employer.
School of Veterinary and Biomedical Sciences

AUSTRALIA

The School of Veterinary & Biomedical Sciences at JCU is seeking a Physiologist and a Pharmacologist to join the Discipline of Physiology and Pharmacology within the Faculty of Medicine, Health and Molecular Sciences. Physiology and Pharmacology is taught in a broad range of courses including integrated Medical and Veterinary curricula, Rehabilitation Sciences, Biomedical Sciences, Sport and Exercise Science, Medical Laboratory Science, Pharmacy, Nursing Science, and from 2009, Dentistry. The appointees will have the opportunity to work with existing academic strengths in the development and delivery of a range of degree programs and to pursue research opportunities relevant to the region. The co-location and collaboration between the Schools of Medicine and Dentistry; Public Health, Tropical Medicine and Rehabilitation Sciences; Pharmacy and Molecular Sciences; and the School of Veterinary & Biomedical Sciences at JCU presents unprecedented research opportunities.

LECTURER/SENIOR LECTURER – PHYSIOLOGY (Cairns) - Reference number 8072

LECTURER/SENIOR LECTURER/ASSOCIATE PROFESSOR – PHARMACOLOGY (Townsville) Reference number 8073

Enquiries to: Professor Phillip Summers, telephone +61 7 4781 1449, fax +61 7 4781 6174, e-mail phillip.summers@jcu.edu.au

Employment Type: Appointment will be full-time on a continuing basis subject to a probationary period.

Salary: Lecturer – Academic Level B - AUS$64,407 - AUS$76,210 per annum or Senior Lecturer – Academic Level C - AUS$78,569 - AUS$90,372 per annum or Associate Professor – Academic Level D - AUS$94,306 - AUS$103,746 per annum. Level of appointment and commencing salary will be in accordance with qualifications and experience. Benefits include generous employer superannuation contribution and attractive options for salary packaging.

Applicants must follow the Method of Application procedures (including systematically addressing the Selection Criteria). Further information is available at http://www.jcu.edu.au/jobs/ or by contacting the Recruitment Officer, Faculty of Medicine, Health and Molecular Sciences, telephone: +61 7 4781 6209; e-mail Adele.Goaldner@jcu.edu.au

Applications close on 18 April 2008 or until filled. Please quote appropriate reference number.

The University reserves the right to invite applications or not to make an appointment.

Equal Opportunity in Employment is University Policy.

Visit our website: www.jcu.edu.au
In accordance with Australia’s Associate Membership of EMBL up to 2 fully funded research groups are able to be located at an EMBL site in Europe for a maximum period of 5 years. Funding from Australia’s National Health and Medical Research Council (NHMRC) is available to support the placement of one group, subject to approval. To be eligible for NHMRC support applicants must be working in a field of relevance to human health.

Group Leaders
5 years in Europe and 4 years in Australia

Applications are invited from suitably qualified scientists wishing to develop their research program as a group leader within EMBL for consideration as one of the groups to be constituted under the Associate Membership agreement. The position will be continued for a further 4 years at an Australian institution.

**EMBL Site:** The group’s location will be dependent on the successful applicant’s preferences and the proposed research program. Options available include Heidelberg (Germany) – EMBL Headquarters – and the EMBL Outstations in Hinxton (UK) – the European Bioinformatics Institute, EBI –, Grenoble (France), Hamburg (Germany) and Monterotondo (Italy).

**Australian Site:** The group leaders’ location in Australia will depend on the location of the approved Australian institution. Approved Australian institutions for the NHMRC funded position are those that are able to satisfy NHMRC and EMBL that the proposed program of research is of a standard sufficient to compete for funding from Australian research funding agencies. As such, there are research institutions meeting this requirement in every Australian State or Territory.

The European Molecular Biology Laboratory (EMBL) is an international research organisation offering a highly collaborative, uniquely international culture. It fosters top quality, interdisciplinary research by promoting a vibrant environment consisting of young independent research groups composed of outstanding graduate students and postdoctoral fellows. The Scientific Programme of EMBL emphasises experimental analysis at multiple levels of biological organisation, from the molecule to the organism, as well as Computational Biology, Bioinformatics and Systems Biology. In addition to exciting colleagues, the laboratory provides excellent shared facilities for a variety of advanced experimental approaches. High-level expertise is also available in Computational Biology, diverse aspects of experimental Molecular Biology as well as Physics, Biophysics, Chemical Biology and instrument development.

Successful candidates will lead a research group for a period of five years at the selected EMBL site in Europe and will participate in the collegial culture of EMBL. Following their term in Europe, candidates will continue as Group Leaders at an Australian institution. Successful applicants will need to select and finalise arrangements with an approved Australian institution prior to the commencement of their placement in Europe. Candidates will also participate in a program of linking activities with the Australian institution while in Europe.

**Commencing date in Europe:** 2008 or early 2009

Further information about the position can be obtained from: EMBL Director General, Iain Mattaj (dg-office@embl.de) or NHMRC Executive Director Research Investment Branch, Elim Papadakis (elim.papadakis@nhmrc.gov.au).

EMBL is an inclusive, equal opportunity employer offering attractive conditions, benefits and child care facilities appropriate to an international research organisation.

To apply please email a CV, including a summary of present and future research interests and the names of three referees, quoting ref. S/08/006 in the subject line to: application@embl.de

**Closing date:** 16 May 2008

www.embl.org
The newly established Excellence Cluster “Cognitive Interaction Technology” at Bielefeld University combines the efforts of researchers from computer science, linguistics, biology, psychology and physics to elevate the command of technical systems to the level of cognitive interaction with humans. This entails cross-disciplinary research in the areas of motion intelligence, attention, situated communication, memory and learning. For more details, see www.cit-ec.de.

In this context we are inviting applications for

**Junior research group leader positions (W1, tenure track option W2)**

on a topic pertinent to Cognitive Interaction Technology. The research groups will comprise the tenure-track position (assistant prof. level) of the group leader plus funding resources for a junior research group (1 - 2 researchers plus equipment). We invite applicants from any of the pertinent fields such as computer science, linguistics, biology, psychology, physics and cognitive science.

Applicants should denote their field of expertise and provide a research plan (duration 3 years) aiming to advance a basic or applied research question within the broader subject area of Cognitive Interaction Technology and feasible within the resources of the available group. Applications will be selected according to their scientific originality and the qualification of the applicant in his or her denoted field of expertise. Candidates will be expected to participate very actively in the Excellence Cluster and to be seriously interested in cross-disciplinary work at the interface between technology and cognition research.

Candidates must hold a university and a qualified PhD degree in a pertinent field, and a significant research record.

We welcome applications from severely handicapped people.

We particularly welcome applications from women. Given equal suitability, qualifications and professional achievement women will be given preference, unless particular circumstances pertaining to a male applicant predominate.

We will consider applications until all positions have been filled. Applications arriving no later than 16 April 2008 will be guaranteed to receive full consideration.

The following documents are requested in PDF format: project proposal (4 pages), curriculum vitae, publication list, brief statements of research and teaching interests, names and addresses of two references.

Applications shall be sent to:
Prof. Dr. Helge Ritter
Excellence Cluster
Cognitive Interaction Technology
Bielefeld University
P.O. Box 10 01 31, D-33501 Bielefeld
Email: ktoschan@techfak.uni-bielefeld.de
Three Faculty Positions in Experimental Physics

(a) Nano Technology / Quantum Optics
(b) Nano Physics / Atomic, Molecular and Optical Physics
(c) Condensed Matter Physics

The Department of Physics at the University of Basel invites applications for two tenure-track assistant professorship positions and one associate or full faculty position. We seek interactive and creative scientists conducting outstanding experimental research that complements, strengthens and expands our activities in condensed matter physics and in particular nanophysics (http://physik.unibas.ch). Possible research directions include (but are not limited to): quantum optics, atomic, molecular and optical physics, soft and hard condensed matter physics, nano materials or scanning probe physics. For all positions, strong synergies with at least some of the Departments existing groups and activities in nano physics would be advantageous.

The successful applicants are expected to establish strong, independent research programs participating actively in the Swiss Nanoscience Institute (SNI) hosted at our Department as well as the Basel QC2 Center for Quantum Computation and Quantum Coherence. The ideal candidates will play an active role in our physics degree program as well as our recently established nano science curriculum teaching at all levels.

Applicants should provide a curriculum vitae, a publication list indicating five outstanding papers, a statement of research interests, a statement of teaching interests and experience, together with the names and addresses of five potential referees to: Prof. Dr. Hans-Peter Hauri, Dean, Faculty of Science, University of Basel, Klingelbergstrasse 50, 4056 Basel, Switzerland, and electronically (pdf or zip) to Marianne.Hess@unibas.ch.

The deadline for receipt of the application is May 31, 2008, but applications will continue to be considered until the positions are filled. The University of Basel is an equal opportunity employer and would like to particularly encourage applications from highly qualified female candidates. For additional information please contact any of the faculty members in condensed matter physics, http://physik.unibas.ch.
Senior Scientific Director
Research & Development
ARMGO PHARMA, Inc.
New York, USA

Tasks and Responsibilities:
• Participate in a premier research program in ryanodine receptor (RyR) biology that supports development of novel therapeutics in multiple areas including cardiovascular disease, muscle fatigue, cognitive function and diabetes based on targeting RyR channels.
• Management of ongoing and development of new research projects in RyR related systems.
• Management of external scientific collaborations.
• Company presentations at conferences and other meetings.
• Organize and lead presentations at SAB meetings.
• Prepare reports for SAB and Board of Directors.

Education: M.D. and/or Ph.D. in molecular biology or biochemistry.

Experience:
• Profound understanding of RyR biology.
• Excellent problem solving skills and ambition to keep time lines and budget.
• Excellent judgment of results and technical skills to deliver practical solutions to scientific problems.

Work Experience:

ARMGO Pharma, Inc. is a young and innovative biotechnology company with excellent prospects for the future. We are supported by an established pharmaceutical company experienced in drug development. Entering Phase I with RyR targeted therapeutics; we focus on developing a novel technology based on the ryanodine receptor complex and its application in the production of therapeutic drugs. One year after commencing operations we are continuously expanding and looking for a creative and results oriented individual. The ideal candidate should have a very strong scientific profile to complement our dynamic team. We offer a good performance oriented compensation package that includes salary, bonus and stock option opportunities.

Center for Tissue and Cell Sciences
Tissue Inflammation/Fibrosis Investigator
Assistant/Associate/Full Professor

The recently established Center for Tissue and Cell Sciences of the Seattle Children’s Hospital Research Institute invites applications for a full-time faculty position from established investigators who are applying techniques of molecular, genetic or cellular biology to study mechanisms of tissue response to injury. The Center’s research vision is to restore children’s health through repair, regeneration, or replacement of tissues, cells, and organs. The applicant’s area of research interest should be complementary to the interests of current faculty working on tissue inflammation and fibrosis. The successful candidate must have a M.D. and/or Ph.D. degree and active nationally funded research grants.

Responsibilities of the position include development of an independent, extramurally funded research program and teaching and mentoring graduate and post-doctoral students and junior faculty investigators. Address any inquiries to Dr. Allison Eddy, Center Director, at allison.eddy@seattlechildrens.org. This position is open until filled.

Please send CV, a statement of current and future research interests and the names and contact information of three referees to Mackenzie Krouse, Seattle Children’s Hospital Research Institute, 1900 Ninth Avenue, M/S C9S-9, Seattle, WA 98101

For more information about Seattle Children’s Hospital Research Institute, please visit: http://research.seattlechildrens.org

All University of Washington faculty engage in teaching, research, and service. The University of Washington is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
The Science of Staying Healthy

Signum Biosciences, located in Princeton, NJ, is dedicated to developing small-molecule therapeutics to modulate signal transduction imbalances associated with chronic diseases of aging. We encourage innovation and seek results through collaboration.

If you’re looking for a dynamic environment where cutting edge translational research and business development are core values, check out the possibilities at: www.signumbiosciences.com/apply

We are an Equal Opportunity Employer committed to discovering the individual in everyone.

Postdoctoral Position

Postdoctoral Position immediately available in joint laboratories of Drs. Theodore DeWeese and Shawn Lupold. Applicants must have a Ph.D. and/or M.D. Should have experience in biochemistry, molecular and cellular biology. Chemistry experience also beneficial. The laboratory currently focuses on molecular targeting and cellular radiation response and prostate cancer. Those interested or experienced in chemical conjugation and nanoparticle technology are especially sought. The laboratory is part of a multi-institutional and multi-departmental effort to develop and clinically translate targeted-nanoparticle therapies for treatment of cancer. Send applications, curriculum vitae and bibliography, summary of past accomplishments, and three references to: Debbie Stankowski, Johns Hopkins University, Radiation Oncology, Weinberg 1440, 401 N. Broadway, Baltimore, MD 21231 or e-mail to: stankde@jhmi.edu.

The Johns Hopkins University is an Affirmative Action/Equal Opportunity Employer and encourages applications from under-represented groups.

Western University of Health Sciences
College of Osteopathic Medicine of the Pacific

Faculty Positions Available for 2008-2009

Western University of Health Sciences is a thriving center for health care and veterinary education.

Western University www.westernu.edu is headquarters to five colleges - Allied Health, Graduate Nursing, Osteopathic Medicine, Pharmacy and Veterinary Medicine.

The University’s 10 year plan and core values have propelled the Institution to be a benchmark University for the development of interprofessional and graduate medical education.

The University values a diverse institutional community and is committed to unparalleled excellence in its faculty, staff and students. Western University seeks applicants of distinguished academic and administrative accomplishments who possess a passion for excellence and a proven track record of achievements.

The University has embarked on a new journey, adding four new graduate colleges by 2009 - Dentistry, Optometry, Podiatry and the Graduate College of Biomedical Sciences. Towards this end, over the last few years, we have hired 13 new basic science faculty members. In addition, we plan to hire 10 new faculty members per year for the next four years.

The Department of Basic Medical Sciences in the College of Osteopathic Medicine of the Pacific will provide the preclinical education and will require a significant increase in highly motivated, innovative and committed faculty members. Tenure-track faculty positions with dual appointments in the above colleges at the level of Assistant, Associate or Full Professor are available. The successful applicant must have a Ph.D. or equivalent, and at least 2 years of postdoctoral experience. Applicants with demonstrated evidence of excellence in teaching and a commitment to inter-professional education will be given preference. Significant scholarly activity, publications and a strong potential to obtain extramural funding is expected either in Basic Research or in the Scholarship of Teaching and Learning. We are looking for experts in the following:

- Pharmacology
- Physiology
- Genetics
- Histology
- Human Anatomy
- Microbiology
- Virology
- Neurophysiology

Applicants must submit the following information:
1. a current curriculum vitae
2. a cover letter explaining how the applicant’s background meets the requirements the position applied for. This letter must include a brief statement including examples of teaching experience, teaching philosophy, goals and research activity. Please include contact information for three references.
3. a completed Employment Application available at: http://www.westernu.edu/bin/hr/pdf/application_for_employment.pdf

Nissar A. Darmani, Ph.D., Chair
Department of Basic Medical Sciences
Western University of Health Sciences
College of Osteopathic Medicine of the Pacific
309 E. Second Street
Pomona, CA 91766-1854

Email Address: ndarmani@westernu.edu

Positions are open until filled.

Western University of Health Sciences is an Equal Opportunity Employer.
Tenure Track Position in Cancer Biology

The University at Albany invites scientists with demonstrated potential for excellence in cancer research to apply for a tenure-track faculty position in the Gen NY Sis Center for Excellence in Cancer Genomics (http://www.albany.edu/cancergenomics/). Successful applicants will be housed in the new 120,000 sq. ft. Cancer Research Center, which is part of the University’s $150,000,000 expansion in the Life Sciences and which offers fully staffed, state-of-the-art core facilities in genomics, proteomics, bioinformatics, microarray, flow cytometry, imaging, cell culture and transgenesis. The successful applicant will join a group of exceptional investigators studying various aspects of cancer genomics. Startup package, salary, and benefits are highly competitive.

The position is open to candidates in all areas of cancer biology with a preference for researchers in environmental carcinogenesis. Researchers using systems biology approaches to their research are especially encouraged to apply. Academic appointment will be in the Department of Biomedical Sciences or the Department of Environmental Health Sciences, of the University’s School of Public Health (http://www.albany.edu/sph/). Both Departments are closely associated with the Wadsworth Center, the research-intensive laboratory of the New York State Department of Health. Scientists in the School of Public Health and the Wadsworth Center study public health issues, from drug resistance to emerging infections and environmental toxicants. They also investigate basic biological processes that contribute to human health and disease. The Albany area also has several other institutions with strong research programs related to cancer genomics including Rensselaer Polytechnic Institute, Albany Medical College, the Pharmaceutical Research Institute, and the Ordway Research Institute and thus, there is outstanding potential for research collaborations.

As the capital city of New York State, Albany provides outstanding cultural and recreational opportunities. It maintains a vibrant small-city life style while being within easy commute (3 hours) to major metropolitan centers including New York City, Boston and Montreal.

Applicants must submit, via email, a curriculum vitae, a statement of research interests, and the names and addresses of three or more references. This position requires a Ph.D., M.D. or equivalent degree in Biological, Biomedical, or Life Sciences from a college or university accredited by a U.S. Department of Education or internationally recognized accrediting organization. Applicants must address in their applications their abilities to work with and instruct a culturally diverse population.

Interested individuals should submit materials to: Lynda Peckowitz, University at Albany, One Discovery Drive, Executive Suite 304, Rensselaer, NY 12144-3456. E-mail: cancer@albany.edu

The University at Albany is an EEO/AA/I/RCA/ADA employer.

University of Louisville

James Graham Brown Cancer Center's Owensboro Cancer Research Program (OCRP) Faculty Position

The University of Louisville James Graham Brown Cancer Center and the Owensboro Cancer Research Program (OCRP) invite applications for a tenure-track faculty position in translational cancer research at the ASSISTANT or ASSOCIATE PROFESSOR level. The successful candidate will join the OCRP and be located in newly constructed laboratory space at the Mitchell Memorial Cancer Center, Owensboro, Kentucky. The OCRP represents a new translational research program focused on combining the field of plant-made pharmaceuticals with the prevention and treatment of cancer. Applicants must have a M.D., Ph.D., or Ph.D. with postdoctoral research experience, a strong track record of publications, and will be expected to establish an independently funded research program. Associate Professor candidates must demonstrate a history of successful funding. Candidates with research interests in the areas of molecular target discovery, cancer vaccines, therapeutic antibodies and cell-based cancer therapies are particularly encouraged to apply.

Please send curriculum vitae, with a bibliography, a synopsis of research interests, and the names and telephone/fax/email of at least three references to:

Keith R. Davis, Chair
Faculty Search Committee
Owensboro Cancer Research Program
Mitchell Memorial Cancer Center Suite 201
1020 Breckenridge Street
Owensboro, KY, 42303

or by Email: facultysearch@ocrp.org

Review of applications will begin immediately and continue until the position is filled.

The University of Louisville is an Affirmative Action, Equal Opportunity Employer.
“Bernstein Award” 2008

Young Scientists Research Award in Computational Neuroscience

The German Federal Ministry of Education and Research (BMBF) has established the “National Network for Computational Neuroscience” with four high-performing “Bernstein Centers for Computational Neuroscience” as the major structural elements.

The "Bernstein Award" is equipped with up to 1.25 Mio Euros in the form of a grant over a period of five years. It will be awarded to a highly qualified young researcher, considering the candidates’ verifiable research profile in the field of Computational Neuroscience and the scientific concept for a future young research group. Young researchers can apply for their own position and group. The group funded by the “Bernstein Award” will become an integral part of the National Network for Computational Neuroscience. Future announcements of the “Bernstein-Award” are in the scope of the Ministry’s planning.

The grant is provided for a scientific project of a young research group headed by a postdoc regardless of nationality. The project will be conducted at a German university or research institution – within or outside the Bernstein Centers. It is a prerequisite for funding that the university or research institution concerned employs the young researcher during the funding period and supports him/her with the basic equipment in terms of laboratory space and other infrastructure. A statement made to that effect by the receiving institution must be included with the project outline to be submitted.

Deadline for applications is June 2nd, 2008.

For more detailed information about the “Bernstein-Award” including application conditions please visit

www.bernstein-centers.de/en
ASSISTANT, ASSOCIATE, or FULL PROFESSOR rank, salary commensurate with training and experience. D.V.M./Ph.D. or Ph.D. degree with relevant postdoctoral training required. The Department boasts an excellent core facility, which includes BSL-2 and BSL-3 suites. Current focus is on host-pathogen interaction with emphases in virology, immunology, bacterial pathogenesis, epidemiology, and public health. Investigators with research emphases in animal, zoonotic, and/or public health diseases are encouraged to apply. The position requires 80 percent research and 20 percent teaching responsibilities, to include active involvement in the Graduate School Program. The successful candidate will be expected to develop and maintain a productive, extra- murally funded research program to strengthen the current research goals of the College. Submit a letter of application, curriculum vitae, statement of career goals, and names of three professional references to: Dr. Daniel R. Perez, Search Committee Chair, Virginia- Maryland Regional College of Veterinary Medicine, Maryland Campus, 8075 Greenmead Drive, University of Maryland, College Park, MD 20742-5711. Fax: 301-314-6855; e-mail: dperez1@umd.edu. Applications accepted until May 15, 2008, or until a suitable candidate is identified. The University of Maryland is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

The U.S. Department of Agriculture, Agricultural Research Service, San Joaquin Valley Agricultural Research Center, Parlier, California, invites applications for a RESEARCH PLANT PATHOLOGIST GS-12/13 ($95,000 – $119,534 per annum). Incumbent conducts research independently and as part of a team on the biology of Xylella fastidiosa (Xf) strains that cause Pierce’s disease (PD) of grapevines, almond leaf scorch, oleander leaf scorch, alfalfa dwarf, and other xylem and xylem-related diseases of agronomic, horticultural, and ornamental crops (announcement ARS-X8W-0100). The candidate must have the ability to formulate new concepts and hypotheses, and develop new techniques and approaches to solve problems, with particular emphasis on biotic and abiotic factors affecting pathogenesis and development of novel biologically based control methods. This is a competitive, permanent appointment appointment at the 100% research level. Vacancy announcements and where to apply can be found at website: http://www.usajobs.com, or contact Drake Stenger, telephone: 559-596-2922. Applications must be received by May 2, 2008. The USDA is an Equal Opportunity Provider and Employer.

NEUROPHYSIOLOGY RESEARCH FAC- ULTY or POSTDOCTORAL POSITION to study synaptic networks of olfaction. Position requires a Ph.D. or M.D., neurophysiology training (preferably with a background in modern research methods, excellent communication and interpersonal skills, and proven ability to publish research results in peer-reviewed journals.

RESEARCH TEACHING SPECIALIST III Differential gene expression on Affymetrix platform, chromatin immunoprecipitation, and Chromatin Immunoprecipitation combined with Tiling array. Requires skill for cloning and expression of human/ mouse endoge- nous retroviral genes from lymphomas. Minimum qualifications: Ph.D. or M.D./Ph.D. in molecular biology or related fields, with at least two years postdoctoral experience in immunology and molecular biology. Send resume to: University of Medicine and Den- tistry, New Jersey, Att: V.K. Tsai, Ph.D., C636 185 South Orange Avenue, Newark, NJ 07103. E-mail: tsaikgv@umdnj.edu.
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POSTDOCTORAL POSITION
MicroRNAs in the Liver/Therapeutic RNAi/Zinc-Finger Nucleases

Ph.D. or M.D. applicants sought to join the McCaffrey Laboratory with ongoing projects studying (1) microRNAs in normal and pathologic liver function, (2) RNAi against hepatitis B virus or (3) zinc-finger nucleases. Experience and publications in any of these areas and/or in adeno-associated viruses desired. Website: http://www.medicine.uiowa.edu/labs/mccaffrey/. The Scientist magazine voted the University of Iowa the top North American university for postdoctorals. Iowa City is family friendly and affordable with excellent schools. Send curriculum vitae, one-page research experience statement, and contact information for three references to: Dr. Anton P. McCaffrey, University of Iowa, Internal Medicine, MERF 3166, Iowa City, IA 52242. E-mail: anton-mccaffrey@uiowa.edu. Equal Opportunity Employer.

POSTDOCTORAL FELLOW POSITION, DEPARTMENT OF INTERNAL MEDICINE. A postdoctoral fellowship position is available in the Laboratory of Dr. Zuhair Ballas at the University of Iowa. Applicants must have a Ph.D. or M.D. and should have experience in immunology, cell culture, cell biology and working with mice. The Laboratory is investigating state of the art population genomics approaches in the Louisiana Healthy Aging Study (e.g. genome-wide association studies) and NKT cells in health and disease with particular emphasis on their responses to CpG oligodeoxynucleotides and other immunomodulators using a mouse tumor model. Applications, including curriculum vitae and bibliography, should be submitted to: Ms. Crystal Allen, c/o Cathy Cox at Duke University for postdoctorals. Iowa City is family friendly and affordable with excellent schools. Send curriculum vitae, names and addresses of three references to: Ms. Crystal Allen at e-mail: crallen@mail.mcg.edu. Affirmative Action/Equal Employment Opportunity/AZA/ADA Employer.

Four junior POSTDOCTORAL POSITIONS are immediately available in the Laboratory of Drs. Yehia Elgindy and Zhongxiu Song to study GTPase signaling in cancer initiation and progression. Requirements include Ph.D. or M.D. degree and experience in molecular biology and biochemistry. The successful candidate will join a dynamic group of several postdoctoral and graduate students. Please apply via website: http://www.mcg.edu/Jobs and send curriculum vitae and names of three references to: Dr. Sarah Spiegel, Department of Biochemistry and Molecular Biology, Virginia Commonwealth University for postdoctorals. Iowa City is family friendly and affordable with excellent schools. Send curriculum vitae, names and addresses of three references to: Dr. Sarah Spiegel at Virginia Commonwealth University for postdoctorals. Iowa City is family friendly and affordable with excellent schools. Send curriculum vitae, names and addresses of three references to: Dr. Sarah Spiegel at Virginia Commonwealth University.

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