The Leibniz-Institut für Molekulare Pharmakologie (FMP) and the Humboldt-Universität zu Berlin (HU) invite applications for a joint appointment as

Director at the Leibniz-Institut für Molekulare Pharmakologie and Full Professor (W3) of Chemical Biology

The professorship links the leadership of a department and of the research section “Chemical Biology” at the FMP with the representation of this academic subject in research and teaching at the HU. The research section “Chemical Biology” currently comprises protein and peptide chemistry, medicinal chemistry, a screening unit for small molecules including automated microscopy, as well as a state-of-the-art mass spectrometry platform. The successful candidate will function as director in alternation with the present director of the institute according to the constitution of the FMP. Successful applicants will have a record of outstanding achievements in the field of chemical biology. Preferably, they will apply and develop strategies of organic chemical synthesis to generate novel agents for the detection and manipulation of biological processes in cooperation with the Screening Unit and other research groups at the FMP. The development of optical-chemical methods such as the synthesis of novel caged or switchable probes or fluorescent biomolecules and dyes are also regarded as seminal topics.

The applicant is expected to engage in close collaborations with the FMP research sections “Structural Biology” and “Molecular Physiology and Cell Biology” as well as with research institutes of the HU. The FMP is funded in equal parts by the federal government and the states (Länder). Its location on the life science campus Berlin-Buch provides for an excellent scientific environment.

Applicants must meet the requirements for a university professor as stipulated in § 100 of the “Berliner Hochschulgesetz”. The professor will take part in teaching students at the Institute of Chemistry (with a reduced teaching obligation 2 LVs).

HU and FMP seek to increase the proportion of women in research and teaching, and specifically encourage qualified female researchers to apply. Applications of researchers from abroad are welcome. Preference will be given to disabled persons with equal qualifications. Applicants with migration background are highly welcome. Applications (including statements regarding both current and future research interests, curriculum vitae, publication list, and the names of three potential reviewers) should be sent by March 31, 2013 to Humboldt-Universität zu Berlin, Dekan der Mathematisch-Naturwissenschaftlichen Fakultät I, Prof. Hecht, code PR/006/13, Unter den Linden 6, 10099 Berlin, Germany. As application materials will not be returned, we ask you to send only copies of all documents.

In order to accelerate the processing of applications, applicants are kindly requested to submit applications in addition electronically. Information regarding electronic submission is accessible at https://www2.physik.hu-berlin.de/ssl/chem_bio/.

For further information, please visit the FMP website www.fmp-berlin.de and the website of HU www.hu-berlin.de

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Columbia University Medical Center

College of Physicians and Surgeons

Vascular Biologist

The Department of Neurology at Columbia University Medical Center, is recruiting for a basic/translational science research faculty (Ph.D. or M.D.) in the area of vascular biology to complement ongoing clinical research in acute stroke, stroke prevention, and stroke recovery. Tenure track Assistant Professor equivalent or higher. Research track record in neuroscience, molecular/cell biology, or neuropathology preferred. Multidisciplinary appointments possible.

Qualified candidates should send a letter of interest and curriculum vitae in Word format to:

Randolph Marshall, M.D., M.S.
Elisabeth K. Harris
Professor of Neurology
710 West 168th Street
New York, NY 10032
Marguerite Outlaw, Assistant
212-305-8389
rsn2@columbia.edu

In addition, applicants must apply electronically online at https://academicjobs.columbia.edu/applicants/Central?quickFind=57371
Columbia University is an equal opportunity/affirmative action employer.
Faculty Positions Open

The Okinawa Institute of Science and Technology Graduate University (http://www.oist.jp) invites applications for new faculty positions:

- Two positions in Chemistry, including areas related to life sciences and physical sciences
- Two positions in Marine Science, including physical oceanography and marine biology
- One position in Applied Mathematics and Statistics, including machine learning, data mining, high-throughput measurements, or high-performance computing.

For all positions we seek applicants with strong interdisciplinary interests, and outstanding records of scientific creativity and productivity. Detailed descriptions of all five positions may be accessed at:

https://groups.oist.jp/facultypositions

OIST is a new, English-language graduate university offering a world-class research environment and a highly diverse, international research community with faculty, staff and students from over 30 countries. It is located in Okinawa on a beautiful campus overlooking the East China Sea.

OIST Graduate University is an equal opportunity, affirmative action educator and employer and is committed to increasing the diversity of its faculty. We strongly encourage women and minority candidates to apply.

AWARDS

Terumo Life Science Foundation

We welcome your nominations for candidates for the 2nd Terumo Global Science Prize

- An academic award for biomaterials researchers-

**Purpose**

In recent years, combined research in the fields of biomaterials and regenerative medicine is accelerating rapidly, and various efforts toward practical application are being made. The fusion of excellence in materials engineering, life science, and the related discipline of systems engineering is essential for this area. This Prize shall be awarded to outstanding researchers who have demonstrated unique, internationally renowned achievements in research, made significant contributions to the field of regenerative medicine particularly through novel biomaterials discovery, and continued to work in the forefront of research. We hope that this Prize will be a great source of encouragement to researchers, resulting in the further evolution of research towards practical application and a brighter future for humankind.

**Details of the Prize**

The Terumo Global Science Prize shall be awarded to one outstanding researcher. The awardee will receive a commemorative shield and a gift as the main prize, together with a supplementary monetary prize of 10 million yen.

**Award ceremony**

The award ceremony as well as the commemorative lecture will be held in Tokyo on one Saturday in July, 2014. The recipient of the Terumo Global Science Prize is requested to be present at the ceremony and to give a speech.

**Application method**

An application in the form of a recommendation shall be filed. (No self-recommendation accepted)

Please fill out the application form and submit it to the Secretariat along with all the required documents. The application can be made online or by post. Please refer to the official Web site for more details.

**Application Deadline**

June 30(SUN), 2013

By Post: Must be postmarked on or before the above date
Online: Must be sent at or before 5:00 PM(JST) on the above date

Now Accepting Applications Official Web Site http://www.terumozaidan.or.jp/english

The awardee of the 1st Terumo Global Science Prize
Professor Robert Samuel Langer (Massachusetts Institute of Technology)
Born in 1564, Galileo Galilei once contemplated a career in the priesthood. It’s perhaps fortunate for science that upon the urging of his father, he instead decided to enroll at the University of Pisa. His career in science began with medicine and from there he subsequently went on to become a philosopher, physicist, mathematician, and astronomer, for which he is perhaps best known. His astronomical observations and subsequent improvements to telescopes built his reputation as a leading scientist of his time, but also led him to probe subject matter counter to prevailing dogma. His expressed views on the Earth’s movement around the sun caused him to be declared suspect of heresy, which for some time led to a ban on the reprinting of his works.

Galileo’s career changed science for all of us and he was without doubt a leading light in the scientific revolution, which is perhaps why Albert Einstein called him the father of modern science.

Want to challenge the status quo and make the Earth move? At Science we are here to help you in your own scientific career with expert career advice, forums, job postings, and more — all for free. For your career in science, there’s only one Science. Visit ScienceCareers.org today.
Faculty Opportunities

Assistant, Associate or Full Professor Positions in Biomedical Sciences

The Division of Biomedical Sciences within the newly-accredited School of Medicine at the University of California Riverside is seeking to hire two new faculty members at the rank of Assistant, Associate or Full Professor. We are looking for accomplished research scientists in a number of specific areas including neoplastic, neurological, vascular, pulmonary and metabolic diseases. Preference will be given to those individuals examining the molecular mechanisms of these diseases who are committed to a collaborative approach to research, and who are expert in their specific disease model.

The successful candidate will be appointed in the Division of Biomedical Sciences, joining a faculty that has directed a successful M.D. program in collaboration with UCLA since the late 1970s. The new School of Medicine at UCR is the sixth University of California Medical School and serves the rapidly growing and dynamic Inland Southern California region by training a much-needed physician workforce and catalyzing innovations in research, education, and health care delivery that improve the health of medically underserved populations. Laboratory and office space will be in a newly-opened School of Medicine research building.

Areas of disease research within the Division include integrative immunology (vaccine development, neuro-immune, endocrine-immune, host-pathogen interactions, allergic inflammation, and the aging immune system), glial-neuronal interactions, neurodevelopmental disorders, cancer biology, neuroendocrinology, and diseases of ion transport. Areas of molecular and cell biology expertise within the department include signal transduction, cell migration and epithelial cell physiology. Particular strengths on the campus include genetics, epigenetics, genomics/bioinformatics, microRNAs, vector biology, bioengineering and nanotechnology, and synthetic and analytical chemistry.

The Division of Biomedical Sciences sponsors an innovative Ph.D. program that integrates the core medical curriculum with biomedical graduate training and research. The successful candidates will be expected to teach in the medical curriculum and actively participate in the Biomedical Sciences Ph.D. program. As such, preference will be given to candidates who are capable of teaching neuro- and/or general pharmacology, pathology, infectious disease (microbiology/virology), physiology (electrophysiology, renal or respiratory) or genetics.

The University of California, Riverside is situated in an historic citrus growing area surrounded by mountain ranges. Riverside is about an hour away from ski slopes, surfing, or hiking in mountain or desert environments, and housing in the area is very affordable. The campus is also located in a prime position to take advantage of the other universities, research institutes, and biotech industries present in Southern California.

Applicants must hold a Ph.D., M.D., Pharm. D., or equivalent degree and qualify for a tenure-track/tenured faculty appointment at the University of California. Applications will be reviewed beginning March 29, 2013 and the positions will remain open until filled. UC Riverside is an Equal Opportunity/Affirmative Action Employer.

To apply, please submit the following items:
- Curriculum vitae
- Statement of research accomplishments and goals and statement of teaching expertise
- In order to facilitate review of your application please choose one of the following categories which best describes your research area and expertise: (a) infectious disease, (b) nervous system, (c) metabolism, (d) vascular biology, (e) endocrinology, (f) cancer, or (g) other and place this in the reference line of your letter of application/subject line of an email (failure to do this will delay the review of your application)
- Names of four individuals who will provide letters of reference

Electronic Submissions are required. Send the items to: School of Medicine, Division of Biomedical Sciences, University of California, Riverside, CA 92521; BiomedRecruitment@ucr.edu.

UMassMemorial

Director of Clinical Research

The University of Massachusetts Medical School (UMMS) Center for Clinical and Translational Science (UMCCTS) invites applications for the position of Director of Clinical Research (D-CR). The D-CR will provide cross-system leadership for clinical research across UMMS and its clinical partner, UMass Memorial Medical Center. S/he will work closely with UMCCTS and clinical system leadership to develop and implement processes, systems, educational programs, and other activities necessary to support outstanding clinical and translational research and educational programs.

The ideal candidate is a physician-scientist (MD or MD-PhD) with extensive experience in clinical research and a successful track record in investigator-initiated research. The successful candidate will be hired jointly by UMMS and the UMass Memorial Medical Group and will receive a UMMS faculty appointment at the rank of Associate or Full Professor. It is expected that s/his will continue to be active in clinical work, as well as in funded research in their field while committing to advance clinical research across the entire institution.

UMMS is a highly productive and collaborative research enterprise with first-rate scientific resources and facilities and over $277M of extramural research funding annually. Support from an NIH/NCATS-funded Clinical and Translational Science Award has driven an expansion of clinical and translational science that capitalizes on UMMS’ leading programs in RNA Biology/Therapeutics, Gene Therapy, Monoclonal Antibody/Vaccine Production, and Quantitative Health Sciences to develop novel therapies/approaches for neurodegenerative, cardiovascular, and infectious diseases, as well as cancer and diabetes. The Massachusetts Biologics Laboratory and the Massachusetts Medical Device Development Center serve as additional unique resources that facilitate the translation of discovery into biologics and devices, respectively.

We value the advantages afforded only through a diverse workforce and encourage all to apply.

To apply, please send a cover letter/statement of professional interests, CV, and three letters of reference to: Nate Hafer, PhD, Director of Operations, UMass Center for Clinical & Translational Science, nathaniel.hafer@umassmed.edu.
AAAS is here – helping scientists achieve career success.

Every month, over 400,000 students and scientists visit ScienceCareers.org in search of the information, advice, and opportunities they need to take the next step in their careers.

A complete career resource, free to the public, Science Careers offers a suite of tools and services developed specifically for scientists. With hundreds of career development articles, webinars and downloadable booklets filled with practical advice, a community forum providing answers to career questions, and thousands of job listings in academia, government, and industry, Science Careers has helped countless individuals prepare themselves for successful careers.

As a AAAS member, your dues help AAAS make this service freely available to the scientific community. If you’re not a member, join us. Together we can make a difference.

To learn more, visit aaas.org/plusyou/sciencecareers
The Froedtert Clinical Cancer Center in the MCW medical complex.

The Department of Oncological Sciences is undergoing a major expansion and seeking exceptional candidates (Ph.D., M.D., or M.D.-Ph.D.) of the highest caliber for new faculty positions in laboratory research at all tenure track levels. The collaborative and supportive environment within the Department, Tisch Cancer Institute and School of Medicine provides access to the latest infrastructure for inquiry into genetics, biochemistry, metabolism, computational biology, mouse models, molecular pathology, and drug discovery. It also builds on current institutional expansion in genomics, pathology, metabolism, structural biology, stem cell and developmental biology, and neurobiology. The goal of this broad effort is to create a fruitful and dialectic environment between basic and clinical cancer research.

Successful candidates will augment an intellectually vibrant and growing group of 34 full-time faculty and be expected to develop an independently funded research program or expand their current programs addressing fundamental questions in cancer. We are particularly interested in investigators who plan to bridge a deep knowledge of specific human cancers with cutting-edge technology and analysis. We believe this type of scientific inquiry, which is by definition multidisciplinary, will lead to advances in cancer prevention and therapy.

We offer a highly competitive remunerative package commensurate with the scope of this position, along with an opportunity to join our world class organization. Please submit curriculum vitae, three letters of reference and up to three manuscripts to Dr. Ramon Parsons, M.D., Ph.D., Chairman of the Department of Oncological Sciences, at: onsci.search@mssm.edu with the subject line Oncological Sciences Faculty Search.

Applications will be considered until all of the positions are filled.

Mount Sinai Medical Center is an equal opportunity/affirmative action employer. We recognize the value of a diverse employee population and strongly encourage applicants with various experiences and backgrounds.

Tenure Track Assistant and Associate Professor
Cancer Cell Signaling and Metabolism Positions

The Medical College of Wisconsin (MCW) Cancer Center invites applications for tenure-track positions at the Assistant or Associate Professor level. The successful applicant will be expected to develop a program aligned with major ongoing research efforts in Cancer Cell Signaling and Metabolism. We encourage applications from junior and mid-level investigators with expertise in the following areas relevant to cancer:

- Cell Signaling • Redox Mechanisms and Metabolism
- Mitochondria and Bioenergetics Epigenetics • Genomic Instability
- Chemokines and Inflammatory Mediators

The candidate is expected to establish a vigorous and extramurally funded research program, and participate in collaborative and interdisciplinary projects. Teaching at the graduate level is also expected. Applicants must have a doctoral degree in a relevant area, a minimum of two years of postdoctoral experience, and a strong record of research accomplishments.

Cancer is the top strategic priority at MCW. The Cancer Center is comprised of more than 200 cancer research scientists and physicians at MCW, Froedtert Hospital, Children’s Hospital of Wisconsin, Clement Zablocki VA Medical Center, and the BloodCenter of Wisconsin, and has an ambitious plan for growth, including achieving NCI-designation. The MCW Cancer Center occupies 30,000 sq. ft. of space dedicated to cancer-related basic science research on the MCW campus, and an additional 50,000 sq. ft. at the Froedtert Clinical Cancer Center in the MCW medical complex.

Candidates should email a complete curriculum vitae, bibliography, statement of research interests, and names of at least three references to:

Sheri Sasaki (cancer@mcw.edu)

Cancer Cell Signaling & Metabolism Search Committee

Medical College of Wisconsin Cancer Center
8701 Watertown Plank Road, Milwaukee, WI 53226

Deadline for applications is April 1, 2013

Mount Sinai School of Medicine at Mount Sinai is one of the world’s leading biomedical institutions and internationally acclaimed for excellence in scientific research, patient care, and education. It is among the nation’s top twenty medical schools in NIH funding and U.S. News and World Report rankings. The School offers education programs leading to M.D., Ph.D. and master’s degrees, and attracts outstanding students to its highly competitive programs and invigorating academic environment.

ASSISTANT, ASSOCIATE & FULL PROFESSORSHIPS

The Department of Oncological Sciences is undergoing a major expansion and seeking exceptional candidates (Ph.D., M.D., or M.D.-Ph.D.) of the highest caliber for new faculty positions in laboratory research at all tenure track levels. The collaborative and supportive environment within the Department, Tisch Cancer Institute and School of Medicine provides access to the latest infrastructure for inquiry into genetics, biochemistry, metabolism, computational biology, mouse models, molecular pathology, and drug discovery. It also builds on current institutional expansion in genomics, pathology, metabolism, structural biology, stem cell and developmental biology, and neurobiology. The goal of this broad effort is to create a fruitful and dialectic environment between basic and clinical cancer research.

Successful candidates will augment an intellectually vibrant and growing group of 34 full-time faculty and be expected to develop an independently funded research program or expand their current programs addressing fundamental questions in cancer. We are particularly interested in investigators who plan to bridge a deep knowledge of specific human cancers with cutting-edge technology and analysis. We believe this type of scientific inquiry, which is by definition multidisciplinary, will lead to advances in cancer prevention and therapy.

We offer a highly competitive remunerative package commensurate with the scope of this position, along with an opportunity to join our world class organization. Please submit curriculum vitae, three letters of reference and up to three manuscripts to Dr. Ramon Parsons, M.D., Ph.D., Chairman of the Department of Oncological Sciences, at: onsci.search@mssm.edu with the subject line Oncological Sciences Faculty Search.

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University of Nebraska
Lincoln

Computational Sciences Strategic Team Hire
Assistant or Associate Professor

The Institute of Agriculture and Natural Resources (IANR) at the University of Nebraska-Lincoln (UNL) is seeking applicants for a Strategic Team Hire of three tenured or tenure-leading positions each expected to develop a nationally and internationally recognized research program integrating the methodological (e.g., machine learning, Bayesian nonparametrics, risk analysis, and multi-scale modeling) and the field specific (e.g., bioimaging, biomolecular, cellular signaling, remote sensing, and epidemiology) levels of computational biology. The program aims of each successful candidate may include one or more of the following focus areas:

1. At the Molecular Level - Development of statistical theory, algorithms, and software related to the design and analysis of high throughput data (e.g., high density genotypic, transcriptomic, proteomic, metabolomic, and sequence information) with the goal of predicting genetic and metabolic networks.

2. At the Organismal Level - Studies addressing plant and animal genomics, which will include the development of statistical theory, algorithms, and software related to the design and analysis of high throughput data sets with the goal of advancing new methodologies to correlate genetic traits in plant and animal systems with phenotypes (e.g., drought tolerance, enhanced nutritional value, or enhanced economic value of downstream products).

3. At the Systems Level - Studies addressing large empirical datasets from local to regional to continental scale relating to agricultural, environmental and natural resources, which will enable the development of computational approaches and model predictions at each scale -may include the use of Global Circulation Models and the development of statistical theory, algorithms, and software related to the design and analysis of large ecosystem data sets (e.g., water, carbon, methane, and nitrous oxide), with the goal of predicting complex ecosystem networks and climate forecasts.

Each position will have a 70% research, 28% teaching and 2% service appointment, and the tenure home for each of the three positions will be determined based on the expertise of the successful candidate. Potential homes include: Biochemistry, Biological Systems Engineering, Food Science and Technology, Animal Science, Agronomy and Horticulture, Nutrition and Health Science, School of Veterinary Medicine and Biomedical Sciences, Plant Pathology, Statistics, and the School of Natural Resources. Each successful candidate will develop a national recognized research program and contribute to university-wide programs in areas that include biomarkers in disease and stress, quantitative genomics and phenotypes, proteomics, metabolomics, plant and animal genomics, mathematical biology, food safety or ecosystem modeling.

A Ph.D. in Statistics, one of the Natural Sciences, Mathematics, Computational Sciences, Engineering, or a closely related field is required; for the Assistant Professor level two years (or equivalent) of postdoctoral experience is strongly preferred. For the Associate Professor level, an externally supported and nationally recognized research program in the broad area of Computational Biology is required. Preference will be given to candidates that have expertise in the development and implementation of models of large complex systems at the molecular, the organismal, or the systems levels. The successful candidates should have a strong commitment to undergraduate and graduate education and research, excellent communication skills, and the desire and abilities to work cooperatively on multi-disciplinary projects.

To view the details and make application, go to http://employment.unl.edu. Search for position number F_130062. Click on “Apply to this job.” Complete the application and attach a letter of interest, curriculum vitae, and a statement on areas of interest and career goals in computational science (Other Document). Arrange for three letters of reference to be sent to Joyce Ore at jorel@unl.edu. Review of applications will begin April 1, 2013, and continue until the positions are filled or the search is closed.

The University of Nebraska has an active National Science Foundation ADVANCE gender equity program, and is committed to a pluralistic campus community through Affirmative Action, Equal Opportunity, work-life balance, and dual careers.
POSITIONS
OPEN
POSTDOCTORAL POSITIONS in
CRYO-EM

Two postdoctoral positions are available immediately in the laboratory of Dr. Joachim Frank, Department of Biochemistry and Molecular Biophysics, Columbia University, New York.

Applications will be considered from highly motivated individuals with a Ph.D. degree in the Natural Sciences. Preference will be given to applicants with demonstrated expertise in one of the following areas: experimental or computational aspects of cryo-electron microscopy, signal processing, or RNA modeling.

The Frank Lab conducts in-depth research on the mechanism of protein synthesis in bacteria and eukaryotes, using single-particle cryo-EM of in vitro samples, as well as electron tomography of cell sections. Three-dimensional density maps reconstructed are interpreted by flexible fitting, homology modeling of proteins, and ab initio modeling of RNAs. By using classification of heterogeneous samples, multiple states of equilibrating molecular complexes are characterized.

The EM facility in the Frank Lab, situated on the Medical Center campus, has a 300-kV FEI Tecnai Polara microscope equipped with a K2 Gatan 4k × 4k camera, capable of single-electron counting, and a 200-kV FEI Tecnai with a Gatan 4k × 4k CCD camera. Equipment is available for time-resolved cryo-EM using microfluidic nanochips with a minimum of 10 ms reaction time. Additional electron microscopes and supporting facilities such as focused ion-beam milling and high-pressure freezing are available at the New York Structural Biology Center, a nearby Resource Center supported by a consortium of universities that includes Columbia University.

Qualified applicants should send curriculum vitae, including the names of three references, and a statement of career goals to: Masgan Saidi (e-mail: ms4597@columbia.edu), Biochemistry and Molecular Biophysics, Columbia University, Black Building 2-221, 650 West 168th Street, New York, NY 10032.

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