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**Plant Biotic Stress Biologist**

The Institute of Agriculture and Natural Resources (IANR) at the University of Nebraska-Lincoln (UNL) is committed to world-class excellence in applications of agricultural and life sciences towards a sustained high quality of life for the citizens of Nebraska and a rapidly growing global population. Reflecting this commitment, IANR has announced an immediate initiative to hire more than 30 new tenure-track faculty members to fill strategic needs in impact areas of Science Literacy, Stress Biology of Plants and Animals, Healthy Humans, Healthy Agro/Eco Systems, and Computational Sciences. To view a listing of all of these positions, and for details as positions are released, please see [http://ianrhome.unl.edu/web/ianr/growingianr](http://ianrhome.unl.edu/web/ianr/growingianr).

Within this initiative, IANR is seeking applicants for an academic year tenure-leading plant biotic stress biologist position at the Assistant or Associate Professor level with a discovery research program focused on increasing our understanding of plant immunity at the molecular and cellular level and how plants prevent microbial diseases. The preference is that the research of the successful applicant be focused on the plant side of the host-microbe interaction with a model organism and/or a crop species. The tenure-home of this position will be in the Department of Plant Pathology with a joint appointment in the Center for Plant Science Innovation. The incumbent is expected to collaborate with faculty in the Stress Biology Initiative. A Ph.D. in plant biology, microbiology, plant pathology, or a closely related field is required and postdoctoral research experience is preferred. For consideration at the associate level the applicant must have a significant record of publications and external grant funding. The incumbent will be expected to teach courses in plant sciences or plant pathology, advise undergraduate and graduate students and contribute to curriculum development in the Plant Sciences.

To view the complete position details and make application for this position, go to the UNL Employment web site: [http://employment.unl.edu](http://employment.unl.edu). Search for requisition number F_130119. Click on “Apply to this Job”. Complete the application and attach a letter of interest, an overview of research and teaching experience and interests, curriculum vitae, and contact information for three professional references. Review of applications will begin on June 17, 2013 and continue until the position is 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.*

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For full details, or to request an application pack, visit [www.liv.ac.uk/working/job_vacancies/](http://www.liv.ac.uk/working/job_vacancies/) or e-mail jobs@liv.ac.uk

Please quote job ref in all enquiries.

**COMMITTED TO DIVERSITY AND EQUALITY OF OPPORTUNITY**

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The Board of Directors of the Robert J. and Claire Pasarow Foundation is pleased to announce the recipients of the twenty-fifth Annual Medical Research Awards. The Foundation, created in 1987 by Mr. and Mrs. Pasarow of Beverly Hills, California, was established to celebrate extraordinary achievement, creativity, and distinction in the areas of cancer, cardiovascular disease, and neuropsychiatry. This year is especially significant as it will be the final year of what has proven to be a highly successful program.

The 25th Annual Medical Research Awardees:

**Cancer Research:** Elaine Fuchs, PhD (The Rockefeller University); Professor Sir Richard Peto (University of Oxford); and Matthew P. Scott, PhD (Stanford University)

**Cardiovascular Disease Research:** Hal Dietz, MD (Johns Hopkins University); Charles T. Esmon, PhD (University of Oklahoma); and Helen H. Hobbs, MD (University of Texas Southwestern)

**Neuropsychiatry Research:** Karl Deisseroth, MD, PhD (Stanford University); Helen S. Mayberg, MD (Emory University); and Carla Shatz, PhD (Stanford University)

Past Awardees of the Medical Research Awards:

**Cancer Research** (including basic cellular processes and the various forms of cancer): Peter K. Vogt, PhD; Irving L. Weissman, MD; George F. Vande Woude, PhD; Erkki Ruoslahti, MD; Harold N. Weintraub, MD; Ronald M. Evans, PhD; Stanley J. Korsmeyer, MD; Carlo M. Croce, MD; Alfred G. Knudson, Jr., MD, PhD; Robert A. Weinberg, MD; Eric S. Lander, D.Phil.; Paul L. Modrich, PhD; Anthony S. Fauci, MD; Alexander J. Varshavsky, PhD; Tom Maniatis, PhD; Roger D. Kornberg, PhD; Elizabeth H. Blackburn, PhD; Fred W. Alt, PhD; Bert O’Malley, MD; Tony Hunter, PhD; Bert Vogelstein, MD; Brian J. Druker, MD; Inder M. Verma, PhD; Angela H. Brodie, PhD; Lewis C. Cantley, PhD; Joan A. Steitz, PhD; David M. Livingston, MD; Joan Massagué, PhD; and Michael G. Rosenfeld, MD

**Cardiovascular Disease Research** (including disorders of the heart and vascular system): Burton E. Sobel, MD; Harvey Feigebaum, MD; Bernardo Nadal-Ginard, MD, PhD; Mordecai P. Blaustein, MD; Jonathan Seidman, PhD and Christine Seidman, MD; Glenn A. Langer, MD; Philip Majerus, MD; Jan L. Breslow, MD; Kenneth R. Chien, MD, PhD; Michael A. Gimbrone, Jr., MD; Masashi Yanagisawa, MD, PhD; Mark T. Keating, MD; Eric N. Olson, PhD; Richard P. Lifton, MD, PhD; Robert J. Lefkowitz, MD; Shaun Coughlin, MD, PhD; Judith Folkman, MD; Barry S. Coller MD; Douglas C. Wallace, PhD; Daniel Steinberg, MD, PhD; Richard O. Hynes, PhD; David Ginsburg, MD; Jeffrey M. Friedman, MD, PhD; Andrew R. Marks, MD; Gerald M. Reaven, MD; Antonio M. Gotto, Jr., MD, D.Phil.; Robert W. Mahley, MD, PhD; and Peter J. Ratcliffe, MD

**Neuropsychiatry Research** (including neurologic and mental disorders): Nancy Wexler, PhD; Eric R. Kandel, MD; Floyd E. Bloom, MD; Solomon H. Snyder, MD; Michael E. Phelps, PhD; Patricia S. Goldman-Rakic, PhD; Huda Akil, PhD; Stanley Watson, MD, PhD; Arvid Carlsson, MD, PhD and Philip Seeman, MD, PhD; Stanley B. Prusiner, MD; Joseph T. Coyle, MD; Eric J. Nestler, MD, PhD; Fred H. Gage, PhD; Michael I. Posner, PhD and Marcus E. Raichle, MD; Pasko Rakic, PhD; Seymour Benzer, PhD; Tomas Hökfelt, MD, PhD; Thomas M. Jessell, PhD; Judith L. Rapoport, MD; Bruce McEwen, PhD; Huda Y. Zoghbi, MD; Aaron T. Beck, MD; Jean-Pierre Changeux, PhD; Robert C. Malenka, MD, PhD; Roger A. Nicoll, MD; Charles F. Stevens, MD, PhD; Christine Petit, MD, PhD; Virginia M-Y Lee, PhD; and John Q. Trojanowski, MD, PhD

The Foundation’s Board would like to express their appreciation to the many medical leaders, including deans of medical schools, chairs of departments, heads of research institutions, and past awardees, for their invaluable participation in the nomination and evaluation processes over the years. Board members: Michael R. Pasarow, Chairman; Anthony H. Pasarow, Co-Treasurer; Susan A. Pasarow, MSW, Co-Treasurer; Jack D. Barchas, MD – Weill Cornell; Foundation President; Shaun Coughlin, MD, PhD – University of California, San Francisco; Christopher J. Evans, PhD – Brain Research Institute of UCLA; Ronald M. Evans, PhD – The Salk Institute; Brian E. Henderson, MD – University of Southern California; Alexander J. Varshavsky, PhD – CalTech, and Joseph P. Van Der Meulen, MD – University of Southern California (Emeritus).

We are, of course, forever grateful for the generosity and vision of Robert and Claire Pasarow who, throughout their lives, served the Foundation with enthusiasm and joy and relished in the entrepreneurial spirit of the awardees.
The EGL Charitable Foundation invites you to apply to the
Gruss Lipper Post-Doctoral Fellowship Program

Eligibility

• Israeli citizenship
• Candidates must have completed PhD and/or MD/PhD degrees in the Biomedical Sciences at an accredited Israeli University/Medical School or be in their final year of study
• Candidates must have been awarded a postdoctoral position in the U.S. host research institution.

Details regarding the fellowship are available at www.eglcf.org

Assistant/Associate Professor of Immunology

The Ragon Institute of MGH, MIT and Harvard seeks outstanding scientists to join the faculty at the level of Assistant Professor/Associate Professor. Candidates should demonstrate a record of outstanding achievement and potential to develop an independent research program focused on the ultimate goal of harnessing the immune system to prevent and cure human diseases. Candidates that bring complementary approaches for HIV vaccine development from engineering and physical sciences as well as those with virology and immunology expertise are encouraged to apply.

The successful candidate will have a M.D., Ph.D., M.D./Ph.D. or equivalent degree, and build and maintain an internationally recognized extramurally funded research program. We particularly seek individuals whose expertise complements existing programs at the Ragon Institute, who possess the ability to work collaboratively with other scientists, and the scholarly qualities required to mentor doctoral students in the graduate programs. Academic rank will be determined in accordance with the successful candidate’s experience and productivity.

Candidates should submit a cover letter, curriculum vitae including list of publications, and a brief statement of research interest by email (Subject line: Job ID 2240687) to: ragoninstituterecruitment@partners.org

Directly submit three letters of reference to:
Ragon Institute Search Committee (Job ID 2240687)
Ragon Institute of MGH, MIT and Harvard
400 Technology Square, Room 874
Cambridge, MA 02139

Please see www.ragoninstitute.org/about/positions for more information on this position.

Submission deadline: June 1, 2013

For further information please contact qbio@ictp.it.

The Children’s Nutrition Research Center of the Baylor College of Medicine announces the availability of TENURE-TRACK POSITIONS in nutrition at the behavior, molecular, cellular, and whole organism levels, including translational human nutrition research. Although positions are not limited to these areas, specific interests are metabolic, neural, early childhood nutrition (including fundamental mechanisms for the developmental origins of adult health and disease) and obesity (including fundamental adipose tissue biology, regulation of appetite and satiety, development of eating and physical activity behaviors, and prevention/intervention studies).

The level of appointment will be consistent with the candidate’s qualifications. Candidates should have a record of achievement through publications in peer-review journals and successful competition for extramural funding. In addition to a strong independent research program, the successful candidate will be expected to have significant potential for research collaboration with existing research programs within the Children’s Nutrition Research Center. Interested candidates should submit their curriculum vitae, a statement of research interests, and three letters of recommendation to:

Dennis M. Bier, M.D., Director, Children’s Nutrition Research Center, Baylor College of Medicine, 1100 Bates, Houston, TX 77030-2600.

Bayor College of Medicine is an Equal Access/Equal Opportunity/Affirmative Action Employer.

Faculty Position in Quantitative Biology

The Abdus Salam International Centre for Theoretical Physics (ICTP) seeks applications for a faculty position in quantitative biology starting from 1 October 2013.

ICTP, based in Trieste, Italy, provides a top class multi-disciplinary research environment in theoretical sciences, with cutting edge research, education and training, and it has been a driving force behind global efforts for the advancement of science in the developing world. We are now seeking to establish a new research section in quantitative biology in order to respond to the theoretical challenges arising from recent advances in large-scale experiments in biology and neurosciences. The programme will be open to, and actively seeking collaborations with, external partners.

Areas of interest include: biological networks; genomics, transcriptomics and proteomics; bioinformatics, machine learning and statistical inference approaches to biological systems; population genetics and evolution biology; and systems and computational neuroscience.

The successful applicant will play a leading role in establishing the new section, promoting cutting-edge research in quantitative biology, and graduate student supervision. Applicants should have an outstanding international reputation and a solid track record in obtaining external funding.

The position will be at the P3 UNESCO level, with a starting salary of $89200. Other benefits include family allowance, home travel, education grant for dependent children, pension plan and medical insurance. Applicants should submit their application through the UNESCO website (https://unesco.taleo.net/careersection/2/joblist.ftl) before 4 June 2013.

For further information please contact qbio@ictp.it.
SUNNYBROOK PRIZE
RECOGNIZING EXCELLENCE IN UNDERGRADUATE RESEARCH

$10,000 PRIZE AWARDED TO THE WINNER

The competition recognizes excellence in undergraduate research and 3rd and 4th year undergraduate students are invited to submit their applications.

Eligibility
• Should be in your 3rd or 4th year of study at a Canadian University by Fall 2013
• Completion of a research project with a focus on biomedical research

Application Requirements
• Cover letter
• Academic transcript
• Curriculum Vitae
• Two (2) reference letters
• Two (2) page abstract

Formatting Requirements
• 2cm page margin
• 12 point font black ink
• Six (6) lines per inch – no condensed typing or spacing
• Print must be of letter quality and easy to read
• Diagrams and images will be counted within the 2 page limit

Finalists will be invited to present their research at the Sunnybrook Prize Event on Friday 3rd January, 2014

E-mail application packages to marcelline.ramcharan@sri.utoronto.ca
Subject Line: Sunnybrook Prize 2014

SUBMISSION DEADLINE
THURSDAY 12TH SEPTEMBER, 2013

2013 Winner
Ben Ouyang

2012 Winner
Chi-Han Chang

2014 Winner

Sunnybrook Research Institute

Affiliated with the University of Toronto
There’s only one

DR. SHIRLEY MALCOM

To Dr. Shirley Malcom, born and raised in the segregated South more than 65 years ago, a career based on her studies in science seemed even less likely than the launch of the Soviet’s Sputnik. But with Sputnik’s success, the Space Race officially started and, in an instant, brought a laser-like focus to science education and ways to deliver a proper response. Not long after, Dr. Malcom entered the picture.

Although black schools at the time received fewer dollars per student and did not have sufficient resources to maintain their labs at a level equivalent to the white schools, Dr. Malcom found her way to the University of Washington where she succeeded in obtaining a B.S. in spite of the difficulties of being an African American woman in the field of science. From there she went on to earn a Ph.D. in ecology from Penn State and held a faculty position at the University of North Carolina, Wilmington.

Dr. Malcom has served at the AAAS in multiple capacities, and is presently Head of the Directorate for Education and Human Resources Programs. Nominated by President Clinton to the National Science Board, she also held a position on his Committee of Advisors on Science and Technology. She is currently a member of the Caltech Board of Trustees, a Regent of Morgan State University, and co-chair of the Gender Advisory Board of the UN Commission on Science and Technology for Development. She has held numerous other positions of distinction and is the principal author of The Double Bind: The Price of Being a Minority Woman in Science.

Of her active career in science, Dr. Malcom says, “I guess I have become a poster child for taking one’s science background and using that in many other ways: we ask questions; we try to understand what we find; we consider what evidence we would need to confirm or refute hypotheses. And that happens in whatever setting one finds oneself.”

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We encourage Clinicians and Public Health Researchers to apply in a separate competition to be launched by this year end.
For more information please visit http://wellcomedbt.org/clinical_researcher.html

Preliminary Application due by 13 June, 2013.

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No tuition is charged. Accommodations and meals are provided. Support for travel may also be available.

Apply by July 15, 2013

To apply and for more information, www.santafe.edu/chile
JUNIOR- TO MID-LEVEL SCIENTIST
The Department of Radiation Oncology at the Beth Israel Deaconess Medical Center is recruiting a junior-to-mid-level scientist to study immune response to ionizing radiation as part of a departmental program to exploit radioimmunotherapy in the clinic. Preference will be given to applicants with a strong background in tumor immunology and a record of significant external funding. Successful applicants will receive an appointment at Harvard Medical School. Applications, containing three references and curriculum vitae should be sent to: Mary Parkman, assistant to Dr. Mary Ann Stevenson, Department of Radiation Oncology, 300 Brookline Avenue, Boston, MA 02215; e-mail: mparkman@bidmc.harvard.edu.

RESEARCH ASSOCIATE in Ion Channel Electrophysiology
Position available for experienced patch-clamp electrophysiologist to join ongoing multidisciplinary research program exploring molecular genetic and biophysical basis for painful neuropathies. M.D. and/or Ph.D. degree, and experience in voltage-clamp electrophysiology with publications, are essential. Experience with analysis of DRG neurons, molecular analysis of Na channels and/or current-clamp electrophysiology are highly desirable. See: Dib-Hajj et al., Nature Reviews Neuroscience 14: 49–62, 2013. Superb opportunity for a skilled electrophysiologist to work collaboratively with molecular geneticists, molecular and cell biologists, physiologists, and pharmacologists in a highly collaborative, interactive program. Send letter of interest, curriculum vitae, and three letters of reference to Stephen G. Waxman, M.D., Ph.D. e-mail: stephen.waxman@yale.edu.

MECHANICAL ENGINEERING
The Department of Mechanical Engineering at Iowa State University (ISU) invites applications for multiple tenure-track faculty positions at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR ranks to begin in 2014 (website: http://www.mech.iastate.edu). Exceptional candidates in all areas of mechanical engineering will be considered, with particular emphasis in: Manufacturing (additive, soft materials, micro/nano, high-speed, energy systems); Controls (robotics, complex systems, energy, biological, environmental); Biotechnology (biosensors and biochips, bioM/NEMS, biomaterials); Energy (building efficiency, systems engineering, renewable); Complex fluids (chemically reacting, biofluids, multi-scale); Design (lifecycle analysis, sustainability, modeling and visualization). All interested, qualified persons are encouraged to apply early at website: http://www.iastatejobs.com/applicants/CentralQuickFind=83186 by completing the Employment Application for vacancy #130200, with applications to be reviewed on a continuing basis from July 1 to December 15, 2013. ISU is an Equal Opportunity/Affirmative Action Employer, and we encourage women, minorities, individuals with disabilities and veterans to apply.

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