

# Science Careers

## SCIENCE CAREERS ADVERTISING

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



### AMERICAS

+1 202 326-6577  
+1 202 326-6578  
advertise@sciencecareers.org

### EUROPE, INDIA, AUSTRALIA, NEW ZEALAND, REST OF WORLD

+44 (0) 1223 326527  
advertise@sciencecareers.org

### CHINA, KOREA, SINGAPORE, TAIWAN, THAILAND

+86 131 4114 0012  
advertise@sciencecareers.org

### JAPAN

+81 3-6459-4174  
advertise@sciencecareers.org

### CUSTOMER SERVICE

#### AMERICAS

+1 202 326-6577

#### REST OF WORLD

+44 (0) 1223 326528

advertise@sciencecareers.org

All ads submitted for publication must comply with applicable U.S. and non-U.S. laws. *Science* reserves the right to refuse any advertisement at its sole discretion for any reason, including without limitation for offensive language or inappropriate content, and all advertising is subject to publisher approval. *Science* encourages our readers to alert us to any ads that they feel may be discriminatory or offensive.

# ScienceCareers

FROM THE JOURNAL SCIENCE AAAS

[ScienceCareers.org](http://ScienceCareers.org)

## POSITIONS OPEN



University of Colorado  
Boulder

### UNIVERSITY OF COLORADO BOULDER

The University of Colorado Boulder invites applications for tenure track assistant professorships in the Department of Molecular, Cellular and Developmental Biology. We seek to hire outstanding scientists in molecular, cellular or developmental biology, including stem cell biology, to join the faculty under the new leadership of Dr. Lee Niswander, an internationally renowned leader in cell and developmental biology. The successful candidate will be expected to develop a creative and innovative research program that complements the department's existing strengths, to provide research training for graduate and undergraduate students, and to teach MCDB courses at both the undergraduate and graduate level. A Ph.D., postdoctoral research experience and a strong publication record are required.

Submit a Curriculum Vitae, statement of research and teaching interests, and contact information for three references electronically at website: [www.cu.edu/cu-careers](http://www.cu.edu/cu-careers). Applications will be reviewed beginning October 15, 2017 until the position is filled.

*The University of Colorado Boulder is committed to diversity and equality in education and employment.*

### PRINCETON UNIVERSITY DEPARTMENT OF CHEMISTRY ASSISTANT PROFESSOR

The Department of Chemistry at Princeton University invites applications for a tenure track assistant professor position in all areas of chemistry. We seek a faculty member who will create a climate that embraces excellence and diversity with a strong commitment to research and teaching that will enhance the work of the department and attract and retain a diverse student body. We strongly encourage applications from members of all underrepresented groups. Candidates are expected to have completed the Ph.D. in chemistry or a related field at the time of appointment. Applicants should submit a description of research interests, curriculum vitae, a list of publications, and contact information for three referees who will be contacted for confidential letters of recommendation. Apply online at website: <https://www.princeton.edu/acad-positions/position/2861>. For fullest consideration, candidates are encouraged to submit completed applications by October 15, 2017. *Princeton University is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. This position is subject to the University's background check policy.*

### Microbiome Research Leader

The University of Nebraska Medical Center is recruiting a faculty leader to coordinate and develop its microbiome research program across all Colleges and Institutes in coordination with the University of Nebraska-Lincoln. Faculty with health professions or PhD training is eligible. Must show evidence of a funded microbiome research program. Existing resources include a fecal transplant program, intestinal transplant program, and the largest intestinal rehab programs in the U.S. UNMC is integrated with Nebraska Medicine, a 600 bed, tertiary care hospital. The leader will work closely with the UNL microbiome research group which is focused on the influence of genetics, disease, and food choices on the microbiome. *UNMC is an Equal Opportunity Employer.* Interested applicants please apply at website: <http://unmc.peopleadmin.com/postings/26997>.

## POSITIONS OPEN



Duke University  
School of Medicine

### FACULTY POSITION IN CELL SIGNALING

Applications are invited for a tenure track appointment as Assistant Professor in the Department of Pharmacology and Cancer Biology in the Duke University School of Medicine. We are seeking individuals with innovative research programs in the area of cell signaling, broadly defined. Applicants should submit a curriculum vitae, a brief statement of past research accomplishments and future research interests, and arrange to have three letters of recommendation uploaded electronically to website: <https://academicjobsonline.org/ajo/jobs/9853>.

Complete applications (including letters of reference) submitted by November 30, 2017 will receive full consideration.

Duke University is an Affirmative Action/Equal Opportunity Employer.

# ScienceCareers

FROM THE JOURNAL SCIENCE AAAS

**Follow us for jobs,  
career advice  
and more!**



@ScienceCareers



/ScienceCareers



Science Careers

[ScienceCareers.org](http://ScienceCareers.org)

### Search more jobs online

Access hundreds of job postings  
on [ScienceCareers.org](http://ScienceCareers.org).

Expand your search today.



Science  
Careers  
AAAS



**Faculty Positions in Cancer Research  
Huntsman Cancer Institute, University of Utah  
An NCI-designated Comprehensive Cancer Center**



**Huntsman Cancer Institute (HCI)** at the University of Utah Health Sciences Center is an NCI-designated Comprehensive Cancer Center and a member of the National Comprehensive Cancer Network (NCCN), supporting and fostering a vibrant research enterprise in a highly collegial environment. HCI has a strong history of academic achievement and impact as well as a commitment to excellence in patient care, research, teaching and service. HCI is undergoing a major expansion which includes a new research building, and seeks outstanding candidates for faculty positions at all levels and at all ranks in basic, translational, and population sciences cancer research.

HCI leadership has made a strategic commitment to develop disease-oriented research teams (DOTs) as a mechanism to enhance translational research. DOTs specialize in adult and pediatric cancer research in the following areas: Colon Cancer, Genitourinary and Hematologic Malignancies, Hepatobiliary Cancer, Melanoma, Neuro-Oncology, Pancreatic Cancer, Sarcoma, Upper Aero Digestive Tract (with existing strengths in lung cancer) and Women's Cancers. Candidates whose cancer research interests are aligned with the HCI DOTs are strongly encouraged to apply.

**1. Basic Cancer Research:**

We seek junior and senior investigators with innovative basic cancer biology programs that emphasize mechanistic approaches. Areas of interest include signal transduction, stem cells, gene regulation/transcription, chromatin/epigenetics, genome stability/DNA repair, cancer metabolism, cancer genetics, metastasis, epithelial cancers, tumor immunology, hematologic malignancies, pediatric/youth cancers, and mechanisms of therapy resistance.

**2. Translational Cancer Research:**

This broad-based recruitment seeks outstanding scientists in a number of areas including, but not limited to: animal models, signal transduction, cancer genetics, target validation, drug discovery/validation, epigenetics & gene expression, DNA damage & repair, tumor immunology, cancer initiating cells, and clinical cancer research. Candidates whose scientific interests dovetail with the clinical strengths of the HCI DOTs are particularly encouraged to apply.

HCI and the University Health Sciences Center provide access to state-of-the-art equipment and services through exceptional Core Facilities (see [www.cores.utah.edu](http://www.cores.utah.edu)) that enhance both discovery and translational science. HCI also offers state-of-the-art laboratories, including a new 225,000 sq. ft. research building which doubles its research space, which opened summer 2017. The University of Utah offers robust graduate programs for training PhD and MD/PhD students. For more information about HCI, visit [www.huntsmancancer.org](http://www.huntsmancancer.org).

Applicants for Assistant Professor are expected to hold a PhD or MD/PhD (or equivalent), have received appropriate postdoctoral training and to have a track record of impact and research productivity. Applicants for senior positions should additionally have a proven record of independent funding and innovative research. HCI particularly encourages and welcomes applications from physician-scientists across the continuum of cancer research. Highly competitive recruitment packages are available with appointment and rank in an academic department at the University of Utah determined by the applicants' qualifications.

Candidates should submit a curriculum vitae, cover letter containing a description of professional experience (including scientific accomplishments, leadership responsibilities and 3 references), and a 3 page research plan. Applications accepted continuously, with evaluations beginning **November 10, 2017**, until positions are filled or closed.

To apply online, please visit the following link:  
<http://utah.peopleadmin.com/postings/69239>

Or, send to:  
Huntsman Cancer Institute  
Attn: Recruitment Office, Room 5160  
2000 Circle of Hope, Salt Lake City, UT 84112-5550  
Email: [hci.recruitment@hci.utah.edu](mailto:hci.recruitment@hci.utah.edu)

*The University of Utah Health Sciences Center is a patient focused center distinguished by collaboration, excellence, leadership, and respect. The University of Utah HSC values candidates who are committed to fostering and furthering the culture of compassion, collaboration, innovation, accountability, diversity, integrity, quality, and trust that is integral to the mission of the University of Utah Health Sciences Center.*

*The University of Utah is an Affirmative Action/Equal Opportunity employer and does not discriminate based upon race, national origin, color, religion, sex, age, sexual orientation, gender identity/expression, status as a person with a disability, genetic information, or Protected Veteran status. Individuals from historically underrepresented groups, such as minorities, women, qualified persons with disabilities and protected veterans are encouraged to apply. Veterans' preference is extended to qualified applicants, upon request and consistent with University policy and Utah state law. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities. To inquire about the University's nondiscrimination or affirmative action policies or to request disability accommodation, please contact: Director, Office of Equal Opportunity and Affirmative Action, 201 S. Presidents Circle, Rm 135 (801) 581-8365.*

*The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a demonstrated commitment to improving access to higher education for historically underrepresented students.*



## The scientific swerve: Changing your research focus

Ali Salanti was studying malaria when an unexpected discovery led him into cancer research. Although a move this dramatic is unusual, many scientists reorient their research in ways that affect their students, collaborators, and institutions. This begs the question, why deliberately move into a new field? What are the risks and benefits of taking such a step? And what factors are important to consider before doing so? **By Chris Tachibana**

Throughout his career, **Ali Salanti** was “100 percent dedicated to studying malaria.” Then his group at the Department of Immunology and Microbiology at the University of Copenhagen, Denmark made a discovery: The malarial protein VAR2CSA binds a modified carbohydrate that is abundant on cancerous but not normal cells. Knowing it would change his career to study VAR2CSA as a tumor-targeting protein, Salanti weighed the challenges and rewards and ultimately thought, “This needs to be explored.” Now, one-third of Salanti’s group researches malaria and two-thirds studies cancer, supported in part by about €2 million from the European Research Council (ERC).

Conventional wisdom says that getting research funding requires publications, recommendations, and connections in the field. The U.S. National Institutes of Health (NIH) advises scientists to move gradually into new areas, with small developmental grants. Salanti, however, dove right into cancer research with a large proposal.

Although he says the writing process was “anxiety-provoking,” he focused on his transferable skills and knowledge, rather than his lack of experience. “I was up front about my limitations in oncology, but stated what I can contribute,” he says. “The driving force for all my research is cost-effective therapy or prophylactics that can be used widely, so what I do in malaria carries into cancer.” Salanti’s fresh approach gave him an edge. “The ERC wants new ideas,” he says. “They’ll fund high-risk, high-gain projects.”

Salanti’s institution supports his move because it attracts students, scientists, and funding. Adding a new research program required adjustments, though. Salanti became more selective about accepting seminar and conference invitations. He takes students for cancer projects but ensures they have oncology co-supervisors. Senior scientists oversee the malaria and cancer programs, but the lab operates as a single group. This arrangement leads to the cross-disciplinary sharing of methods and expertise encouraged by funders such as NIH and ERC. “It’s not always easy,” he says, “but overall, it enhances our research.”

Most scientists won’t have a VAR2CSA-type discovery to draw them into a new discipline. Many may feel the urge to refresh or redirect their research, though. Here’s advice for early, mid-, and late-career scientists about deliberately changing your research focus.

### No life-changing results required

**Dan Burgard** didn’t have a career-changing result that drove his research in a new direction. The University of Puget Sound chemistry professor simply wanted to study something different. Burgard finds projects by looking for community questions that a scientist can help answer. That approach pulled him from studying emissions from the region’s cars, buses, and ships, to measuring drugs in what comes, collectively, out of its toilets. **cont.>**

#### Upcoming advertising features

Top Employers—October 20 ■ Postdocs: Media Training—January 28 ■ Cancer Research: Cancer Genomics—March 23



Memorial Sloan Kettering  
Cancer Center

# Faculty positions at the Sloan Kettering Institute Memorial Sloan Kettering Cancer Center

## OPPORTUNITIES IN BIOMEDICAL RESEARCH

- **Cancer Genetics**
- **Cell Signaling & Regulation**
- **Chemistry & Chemical Biology**
- **Computational and Systems Biology**
- **Experimental Therapeutics**
- **Genome Integrity, Gene expression, and Epigenetics**
- **Immunology**
- **Stem Cell Biology & Regenerative Medicine**
- **Structural Biology**



## JOIN OUR FACULTY

Successful candidates will hold an appointment in one of SKI's research programs  
*Candidates may apply to up to two programs:*

### Cancer Biology & Genetics

Chair: Scott Lowe, PhD

### Cell Biology

Interim Chair: Marilyn Resh, PhD

### Chemical Biology

Chair: Derek Tan, PhD

### Computational and Systems Biology

Chair: Dana Pe'er, PhD

### Developmental Biology

Chair: Kathryn Anderson, PhD

### Immunology

Chair: Alexander Rudensky, PhD

### Molecular Biology

Chair: John Petrini, PhD

### Molecular Pharmacology

Chair: David Scheinberg, MD, PhD

### Structural Biology

Chair: Nikola Pavletich, PhD



## Research and Training

- 130 research laboratories housed in state-of-the-art buildings
- Core facilities offering cutting-edge scientific services
- Over 800 pre- and post-doctoral trainees
- Appointments in the Gerstner Sloan Kettering Graduate School of Biomedical Sciences and the Weill Cornell Graduate School of Medical Sciences

Visit [www.ski.edu](http://www.ski.edu) to learn more.

Application deadline: **November 1, 2017**  
Apply at: <https://facultysearch.ski.edu>



MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation, national origin, age, religion, creed, disability, veteran status or any other factor which cannot lawfully be used as a basis for an employment decision.

Federal law requires employers to provide reasonable accommodation to qualified individuals with disabilities. Please tell us if you require a reasonable accommodation to apply for a job or to perform your job. Examples of reasonable accommodation include making a change to the application process or work procedures, providing documents in an alternate format, using a sign language interpreter, or using specialized equipment.

## faculty

Burgard's wastewater-analysis research started with a conversation about students taking attention deficit hyperactivity disorder (ADHD) medications, such as Adderall and Ritalin, to try to improve test performance. He had just read about testing wastewater for cocaine as a way to measure regional use, and a research project was born.

To shift from sampling air for inorganic chemicals to analyzing sewage for organic compounds derived from ADHD drugs, Burgard brushed up on methods he hadn't thought about in years, attended conferences in a different field, and navigated the bureaucracy of a new funding agency. Nevertheless, like Salanti, Burgard finds that his newfound work is connected to what he was doing before. "I'm still doing environmental and analytical chemistry," he says, "but now it's separation with chromatography and analysis with mass spectrometry, which I learned about in graduate school but never used. I'm still quantifying things with spectrometry, but now it's for drug epidemiology."

Burgard says being at a university where his primary responsibility is teaching was an advantage in taking on his new project. Scientists supported mainly by grants may have to plan their finances more carefully during their research transition. "I didn't have to get funding to start the project," Burgard says. "I just needed to talk to the local wastewater treatment plant about sampling, and make friends [with someone] at the University of Washington [who had] mass spec instruments."

As research questions arose, Burgard connected with other collaborators. He worked with his university's psychology department on student drug-use surveys to complement the chemical analyses. The results from surveys and campus wastewater samples showed there was higher use of ADHD medications during test times as compared to the first week of classes.

Among the benefits of switching research gears, Burgard says, was the fact that his promotion and tenure reviews recognized that he expanded methods and research opportunities for students and extended collaborations on campus and with other universities. With his additional expertise, he was in a position to turn Washington State's 2012 legalization of recreational marijuana into a scientific opportunity. He now has an NIH grant to use wastewater analysis to study the impact of retail marijuana sales on the community's use of the drug. Submitting a proposal to an unfamiliar agency was a major project in itself, but Burgard says, "If you have a good enough research question, it makes you want to go down that road and keep going." He doesn't feel he is traveling in an entirely different direction, however. "It never occurred to me that the new work was a big thing," he says. "It was just the next thing."

**This is normal**

Like Burgard, many scientists alter their research focus, at least slightly, over their career, according to studies by **Boleslaw Szymanski**, computer science professor at Rensselaer Polytechnic Institute in Troy, New York. Szymanski's group followed the work of more than 14,000 scientists from 1976 to 2009, using data from American Physical Society journals. The results showed that most researchers tend to stay in their field, but that those who don't progress along a related path. In describing their findings, Szymanski and colleagues use an analogy inspired by Isaac Newton's reflection on his own research: They describe a scientific career as a walk along the beach, moving from one interesting shell (in this case a research topic) to another.

These findings support a similar analysis that Szymanski's group performed on data from journals and from U.S. National Science



**"If you have a good enough research question, it makes you want to go down that road and keep going."**

— Dan Burgard

Foundation (NSF) grants in computer science. In this field, scientists tend to shift research focus roughly every 10 years. Some make once-in-a-career moves to substantially different areas. The field itself changes with technological advances, Szymanski says, so even researchers who stay in one area at least change methods over time.

Szymanski's own career exemplifies evolving research interests. From high-performance computing, he moved to modeling biological, social, and other networks. His own research walk succeeds, he says, because of strong collaborative relationships. "Working with good collaborators in other disciplines gives you stereoscopic vision," he says. "You look at the same problem but from different viewpoints, so together, you have a complete view."

A particularly encouraging result from Szymanski's work is that scientists are just as productive, when measured in terms of publications, before and after changing their research emphasis. Nonetheless, departments should be patient when a researcher takes a new direction. Szymanski's analyses show that publications come in bursts, followed by pauses that are most likely needed to obtain funding and accumulate data. "To some extent," Szymanski says, "our message is encouraging to scientists: You can change your research focus and be successful."

**How science is done now**

Supporting scientists in exploring new fields is **Guntram Bauer's** job. He is director of scientific affairs and communications at the Human Frontier Science Program (HFSP) in Strasbourg, France, which funds life science research and international collaborations. The governments of 14 member countries and the European Union support HFSP. "Our mission and scope," Bauer says, "has always been bringing scientists with different approaches and from different disciplines together to work jointly on a life science project."

One HFSP postdoctoral program supports nonbiologists, such as physicists, chemists, or engineers working in the life sciences. Even biologists applying for HFSP postdoctoral support for a life sciences project must move into a new area, for example, from genetics to crystallography. They must also move to a country where they've never worked before.

Relocation to both a new field and a new country is a requirement, Bauer says, "because seeing how things are done in a different scientific environment opens our minds." Bauer himself has worked on international research collaborations in Germany and the United States, and now works with a multinational group at HFSP. Based on his experiences, he feels that overcoming the challenges of entering a different field and being part of a multidisciplinary team leads to personal and professional growth and an appreciation of diverse work cultures. He says that HFSP itself benefits from the varied perspectives of its review committee of chemists, computer scientists, physicists, and life scientists. **cont. >**



# JOIN US.

## FACULTY POSITIONS AT THE JACKSON LABORATORY

The Jackson Laboratory (JAX) is inviting applications for Associate and Full Professor positions at our mammalian genetics headquarters in Bar Harbor, Maine. JAX conducts basic and translational research using multidisciplinary approaches to investigate complex biological questions with a focus on genetics and genomics.

JAX is an independent, nonprofit biomedical research institution with a dynamic research portfolio including the following centers: National Cancer Institute-designated Cancer Center; Alzheimer's Precision Model Center; Center for Systems Neurogenetics of Addiction; Center for Precision Genetics; Nathan Shock Center of Excellence in Basic Biology of Aging; and the Roux Center for Genomics and Computational Biology. JAX is home to internationally recognized information resources including the Mouse Genome Informatics (MGI) database and the Gene Ontology and Human Phenotype Ontology projects.

Translational research collaborations in genomics-based, personalized medicine are fostered through The Jackson Laboratory for Genomic Medicine located in Farmington, Conn. JAX faculty are supported by outstanding scientific services; unparalleled mouse and genomic resources; postdoctoral and predoctoral training programs; and numerous courses and conferences centered on the mouse as a genetic model for human biology and disease.

Successful candidates must have a Ph.D. and/or M.D. degree; a minimum of 3-5 years of experience as an assistant professor or higher; a solid funding base; a record of significant research accomplishments; and must present long-term research goals consistent with establishing and maintaining a highly successful research program at The Jackson Laboratory for Mammalian Genetics in Bar Harbor, Maine.

### PRIMARY AREAS OF FACULTY RECRUITMENT

- Cancer Biology and Cancer Genomics
  - Includes progenitor cell biology; cancer immunology; DNA repair; mechanisms of cancer progression and evolution; drug action and therapy response and resistance; and cancer model development*
- Bioinformatics and Computational Biology
  - Includes cross-organism alignment of clinical genetic data with animal models of human disease; creation of algorithms to integrate genome-phenome data sets; systems genetics approaches to complex trait analysis; models of cancer biology; tumor evolution; tumor-immune systems interactions; and mechanisms of therapy response and resistance*
- Immunology
  - Includes animal models of autoimmunity, allergy, inflammation, cancer and regenerative processes; development of targets for therapeutic intervention; and the identification of novel diagnostic procedures*

**Applicants must submit a curriculum vitae and a concise statement of research interests and plans as one document to [www.jax.org/careers](http://www.jax.org/careers), select "Faculty Positions" link. In addition, please arrange to have three letters of reference sent to: [facultyjobs@jax.org](mailto:facultyjobs@jax.org).**

*All qualified applicants will receive consideration for employment without regard to race, color, religion, age, mental disability, physical disability, medical condition, sex, sexual orientation, genetic information, ancestry, marital status, national origin, veteran status and other classifications protected by applicable state and local non-discrimination laws.*

## faculty

## Featured participants

**The Camille & Henry Dreyfus Foundation**  
[www.dreyfus.org](http://www.dreyfus.org)

**Department of Immunology and Microbiology, University of Copenhagen**  
[isim.ku.dk](http://isim.ku.dk)

**European Resource Council**  
[erc.europa.eu](http://erc.europa.eu)

**Human Frontier Science Program**  
[www.hfsp.org](http://www.hfsp.org)

**Rensselaer Polytechnic Institute**  
[rpi.edu](http://rpi.edu)

**Seattle University**  
[www.seattleu.edu](http://www.seattleu.edu)

**Sucafina**  
[www.sucafina.ch](http://www.sucafina.ch)

**University of Puget Sound**  
[www.pugetsound.edu](http://www.pugetsound.edu)

**U.S. National Institutes of Health**  
[www.nih.gov](http://www.nih.gov)

**U.S. National Science Foundation**  
[www.nsf.gov](http://www.nsf.gov)

## A worthwhile investment

A conscious scientific shift can occur anytime in a career. **Sue Jackels'** research path shows how an established professor can make a bolder move than a scientist who is just starting out. In the 1990s, Jackels and her husband were chemistry professors at Wake Forest University in Winston-Salem, North Carolina, looking for new opportunities. She describes their situation in chemical terms: "We were at equilibrium, at a steady state in our careers. We wanted a change." Jackels moved to Seattle University and her husband took a position at the University of Washington.

Jackels was studying inorganic compounds as magnetic resonance imaging (MRI) contrast agents when she attended an international meeting of chemistry educators at Jesuit universities that inspired a change. After a colleague from Nicaragua talked about struggling coffee farmers, Jackels went to the country to see for herself. She visited coffee farms and potential collaborators and "found a question that a chemist could help answer." If farmers knew precisely when to halt bean fermentation, they could consistently produce superior coffee for the high-end market.

Jackels used a sabbatical to launch the research program she and her husband now run. Funding has come from Seattle University, NSF, and The Camille & Henry Dreyfus Foundation. With students, Jackels developed a portable field laboratory using battery-powered instruments and simple test-strip assays. On trips to Nicaraguan coffee farms, Jackels and her team did chemical analyses to determine when fermentation should stop, and correlated the results with cues that farmers could easily detect, such as a particular appearance, feel, and smell.

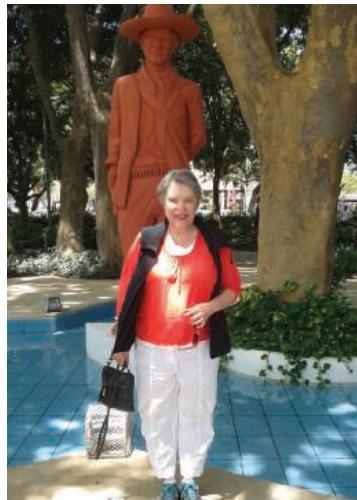
Jackels' work involves more than chemistry, of course, including learning languages, policies, and cultures of other countries. These complexities make her project rich, meaningful, and rewarding—and a professional risk. Jackels says, "You should do this kind of change only as an established researcher."

That said, Jackels adds that a sabbatical at any stage of a career is a chance to reinvigorate a research program. In addition to the leave that led to her coffee work, she used an earlier sabbatical to move into the field of MRI contrast agents. Both times, she used her own savings to partially support herself. "Some people won't take a sabbatical unless they are fully funded to do it," she says, "but you should view a sabbatical as an investment. It will pay off in future grants and research productivity."

When changing fields, Jackels stresses, networking and relationship building are very important factors. Find a topic that everyone is passionate about, she advises—including your scientific team, collaborators, and end-users of your results. "To surface research questions," she says, "we ask about the concerns of the farmers and our collaborators, and we make that our question and develop our common passion around it." Following this approach, Jackels and her student research team are now working with East African coffee farmers. Funded by the Geneva, Switzerland-based Sucafina coffee company, their research question is how to measure and prevent development of a chemical caused by insect and microbial damage that makes coffee smell like rotten potatoes.

Jackels retired from teaching and administrative work, but still does research, which continues to take her in surprising directions. She collaborated with her university's business school to sell Nicaraguan coffee on campus and is working with Nicaraguan families on educational opportunities for their children, for example. When you start down a new research track, she says, "one thing just leads to another."

Chris Tachibana is a science writer based in Seattle, USA, and Copenhagen, Denmark.



**"Some people won't take a sabbatical unless they are fully funded to do it. But you should view a sabbatical as an investment. It will pay off in future grants and research productivity."**

— Sue Jackels

Finding research opportunities in new areas might not require much exploration outside your field, Bauer says. He was amazed at how much biology was presented at a recent physics meeting, for example. He notes a general awareness by scientists that answering fundamental questions requires being inclusive and considering approaches from all disciplines. "Science is moving in a more multidisciplinary and open direction," he says. When HFSP started emphasizing cross-disciplinary work in 2000, scientists were challenged to find journals that would publish work that straddled multiple fields. Now, Bauer notes, journals have broadened their scope, and researchers have more options for showcasing their work, such as preprint services like arXiv and bioRxiv as well as TED talks, blogs, and social media.

Nevertheless, Bauer advises that making a deliberate move into a new discipline takes time. It's a "matchmaking exercise" to align the interests of a researcher with opportunities in the field. Start preparing early, he advises: Talk with people in the area you might move into. They can guide you regarding the high-priority research questions in their field and how your skills might help answer them. As you move toward writing a proposal, these contacts can help build a fundable application.



## Three Faculty Positions in Plant Resilience

The departments of **Biochemistry and Molecular Biology**, **Horticulture**, and **Plant Biology** in collaboration with the newly created **Plant Resilience Institute at Michigan State University** are inviting applications for three tenure-system positions. These positions are part of MSU's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. MSU has a world-class plant science community and support infrastructure comprising more than 150 faculty members conducting a wide range of plant research spanning the lab-to-field continuum in both natural and agricultural ecosystems.

The mission of the Plant Resilience Institute (PRI) is to conduct basic laboratory and field research on plant resilience with the goal of improving the productivity and nutritional quality of agronomic and horticultural crops. Research programs center on mechanisms that enhance plant resistance to biotic and abiotic stresses associated with changing environmental conditions. The PRI is an interdisciplinary cross-departmental program, with PRI members belonging to a range of home departments. The following academic departments are inviting applications from individuals working on various aspects of plant resilience.

The **Department of Biochemistry and Molecular Biology** invites applications for a position at the Assistant or Associate Professor level from individuals addressing fundamental aspects of plant response and adaptation to global environmental change. Specific research areas of interest include, but are not limited to, environmental signal transduction and mechanisms of plant stress tolerance to biotic stresses, water deficit, high salinity, nutrient deprivation, and temperature extremes. Candidates whose research program integrates a broad spectrum of biochemical, molecular, and genomic technologies, including gene-editing approaches applied to model or agriculturally relevant plants, are especially encouraged to apply.

Applicants should provide a cover letter, curriculum vitae, a 2-to-3-page statement of current and future research interests, a brief description of teaching philosophy, and the names of three persons who can provide a letter of reference. The complete application package should be compiled into a single PDF document and submitted through the MSU Human Resources site at [careers.msu.edu](http://careers.msu.edu) (posting #**468293**). To ensure full consideration, applications should be submitted by **November 15, 2017**. Questions regarding this position may be emailed to Professor Gregg Howe, search chair, at [howeg@msu.edu](mailto:howeg@msu.edu).

The **Department of Horticulture** invites applications for an Assistant or Associate Professor from individuals using innovative experimental approaches to study fundamental plant responses to the environment with a focus on abiotic and biotic constraints relevant to horticultural crop productivity. The department seeks applicants with expertise in areas including, but not limited to, the impacts of temperature extremes, elevated carbon dioxide, water stress and other environmental factors on vegetative and reproductive development, particularly growth cycle/dormancy regulation, nutrient utilization, and plant-rhizosphere/-phyllosphere interactions.

Qualified applicants should submit: a letter of application including a personal statement; curriculum vitae; summary of research accomplishments and future research objectives; description of teaching experience and interests; summary of experience or philosophy fostering diversity and inclusion in your professional roles; and contact information (address, e-mail and phone) for three references. The complete application package should be compiled into a single PDF document and submitted through the MSU Human Resources site at [careers.msu.edu/](http://careers.msu.edu/) (posting #**465448**). Review of application will begin **November 15, 2017** and continue until the position is filled. Questions can be directed to Professor Rebecca Grumet, search chair, at [grumet@msu.edu](mailto:grumet@msu.edu).

The **Department of Plant Biology** invites applications for an Assistant Professor position from individuals using physiological approaches to study fundamental problems in plant resilience to environmental conditions. We seek applicants addressing compelling research questions within the broad area of ecophysiology, including studies from the whole-plant to the ecosystem scale. These questions should focus on plant resilience to abiotic or biotic stresses including, but not limited to, temperature extremes, drought, flooding, nutrient stress, and biotic interactions. The Department of Plant Biology includes vibrant research programs in molecular and cellular biology, biochemistry, metabolism, plant-microbe interactions, genomics, computational biology, systematics, evolutionary biology and ecology.

Applicants should compile a cover letter, curriculum vitae, summary of research accomplishments and future objectives, and a brief description of teaching philosophy and goals into a single PDF. This PDF and three letters of reference should be submitted at [careers.msu.edu/](http://careers.msu.edu/) (posting #**468542**). Review of applications will begin **November 15, 2017** and continue until a suitable candidate is identified. Questions regarding this position may be emailed to Professor Jeffrey Conner, search chair, at [connerj@msu.edu](mailto:connerj@msu.edu).

For all three positions we are seeking candidates who show exceptional promise to develop internationally recognized research programs that are externally funded and address compelling research questions relevant to plant resilience. In addition, the successful candidate will contribute to teaching at the graduate and/or undergraduate level and actively participate in professional service activities. Applicants must have a Ph.D. and postdoctoral experience, and a strong record of research accomplishments.

*Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.*

*MSU is an Affirmative-Action, Equal-Opportunity Employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life, and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.*

**TEXAS TECH UNIVERSITY  
HEALTH SCIENCES CENTER.**

School of Medicine

Department of Cell Biology and Biochemistry

**CELL BIOLOGY AND BIOCHEMISTRY  
FACULTY SEARCH 2017**

The Department of Cell Biology and Biochemistry at the Texas Tech University Health Sciences Center in Lubbock, TX invites applications for three tenure-track positions at the Assistant, Associate, or Professor level in any area of Biochemistry, Cellular, or Molecular Biology. The department (<http://www.ttuhsc.edu/SOM/cbb/>) currently has fourteen full-time faculty members and seeks accomplished scientists to complement existing research programs in cancer, reproductive biology, diabetes, membrane protein structure and function, development, and neurodegenerative diseases.

One position will be filled by a qualified candidate at the Professor level working in cancer who will be eligible for the Harry Weitlauf endowed chair in Cancer Biology. This individual will also be eligible for recruitment funding through The Cancer Prevention Research Institute of Texas (CPRIT) (<http://www.cprit.state.tx.us>), a state supported fund that provides outstanding opportunities for research funding for cancer investigators in Texas. The TTUHSC Cancer Center has many resources available to researchers including the Texas Cancer Research Biobank and the Texas Cancer Cell Repository (<http://cancer.ttuhsc.edu>). A second position will be filled by a qualified candidate working in any area of Women's Health including reproduction, pregnancy, and cancer. This individual will be eligible for the Kayla Weitlauf Fund for Women's Health. The third position is open for rank and research area.

Appointments for all positions will be in the School of Medicine and the Graduate School of Biomedical Sciences and come with a highly competitive start-up package and state-supported salary. Applicants should have a Ph.D., and/or M.D. degree, and will be expected to participate in the research and teaching missions of the department. Applicants with funded programs or strong evidence of funding potential will be given the strongest consideration. The Department of Cell Biology and Biochemistry is committed to diversity in education and employment, and strongly encourages applications from women and minorities. EEO/AA/Vet/Disability Employer.

**TTUHSC is in Lubbock, Texas, a family-friendly city** of over 230,000 residents on the South Plains of the Texas Panhandle. Our region has a diverse economy that is strongly influenced by agriculture, health care, and higher education. Lubbock is home to Texas Tech University providing educational and entertainment opportunities in collegiate athletics and the performing arts. Lubbock weather is mild and averages 262 days of sunshine /year.

**Interested candidates** must apply online at <http://www.ttuhsc.edu/som/cbb/positions.aspx> (look for job #11804BR, 11805BR). Candidates applying for Assistant or Associate Professor should apply for #11805BR. Candidates should submit a single document in PDF format containing a cover letter describing their interest in the department (including possible collaborations with current faculty), curriculum vitae, and a brief summary of their research interests. Candidates should also arrange to have three letters of recommendation sent in electronic format to [cellbiology.biochemistry@ttuhsc.edu](mailto:cellbiology.biochemistry@ttuhsc.edu). Review of applications will continue until the positions are filled.

*An EEO/Affirmative Action Institution.*



**Faculty Position in Microbial Environmental Metagenomics and Bioinformatics**

The Department of Ecology and Evolutionary Biology at the University of Kansas (KU) seeks outstanding applicants for an Assistant Professorship, tenure track, expected to begin as early as August 18, 2018.

Qualifying candidates must have a Ph.D. in environmental genomics, bioinformatics, microbial ecology, or related fields and relevant postdoctoral experience. We are interested in candidates addressing fundamental questions about the structure and function of microbiomes as well as the informatics challenges associated with these analyses. We consider microbiomes as inclusive of bacteria, archaea, fungi, microbial eukaryotes, and viruses, and are particularly interested in candidates examining microbiome function in natural environments. A strong record of research and demonstrated commitment to excellence in teaching are required. We especially encourage applicants with a strong record of collaboration. A complete online application includes the following: cover letter, curriculum vitae, a research statement, a teaching statement, and names and contact information for three professional references. In your cover letter, please address how you would contribute to advancing diversity at KU (<http://eeb.ku.edu/diversity>). For additional information about the position, contact Professor Jim Bever at [jbever@ku.edu](mailto:jbever@ku.edu). Initial review of applications will begin November 14, 2017 and will continue as long as needed to identify a qualified pool.

The Department of Ecology and Evolutionary Biology (EEB) (<http://eeb.ku.edu>) is large, diverse, and dynamic, including ~40 faculty. The department enjoys affiliations with the Kansas Biological Survey, the KU Biodiversity Institute, Center for Computational Biology, the KU Department of Molecular Biosciences, and the ITTC/Bioinformatics and computational life science laboratory. KU faculty benefit from the KU Center for Research Computing and the KU Field Station, as well as several fully-staffed core facilities, including the Genome Sequencing Core, the Microscopy and Analytical Imaging Laboratory, and Nanofabrication facility.

For complete announcements and to apply online, go to <https://employment.ku.edu/academic/10108BR>. The University of Kansas is especially interested in hiring faculty members who can contribute to the climate of diversity in the College of Liberal Arts and Sciences and four key campus-wide strategic initiatives: (1) Sustaining the Planet, Powering the World; (2) Promoting Well-Being, Finding Cures; (3) Building Communities, Expanding Opportunities; and (4) Harnessing Information, Multiplying Knowledge. For more information, see [www.provost.ku.edu/planning/themes/](http://www.provost.ku.edu/planning/themes/).

*KU is an EO/AAE, full policy <http://policy.ku.edu/IOA/nondiscrimination>.*



**Faculty Position  
Carnegie Institution for Science**

The Carnegie's Department of Embryology, located on the Johns Hopkins University Homewood campus in Baltimore, MD seeks applications for an independent Investigator position (Assistant Professor equivalent). Candidates studying any aspect of biology by developing and applying advanced technologies are encouraged to apply.

A current CV, 3-4 page research statement and three reference letters are required to apply. Apply online at: <https://jobs.carnegiescience.edu/jobs/emb/>

Application review will begin on **November 15, 2017** but applications will continue to be accepted after this date.

*Carnegie Institution is an Equal Opportunity, Affirmative Action Employer.*

## Faculty Position in Gene Regulation, Genomics, and Reproduction

The **Cecil H. and Ida Green Center for Reproductive Biology Sciences**, an endowed basic science research center within the University of Texas Southwestern Medical Center Department of Obstetrics and Gynecology, is recruiting to fill a newly created Tenure-track Assistant Professor Position. We invite applications from outstanding candidates studying aspects of signaling, gene regulation, and genome function, especially in the areas of chromatin and transcription, epigenetics, nuclear endpoints of cellular signaling pathways, nuclear receptors, RNA biology, genome organization, and genome evolution. We are interested in a wide variety of model systems and experimental approaches, including biochemistry, molecular biology, structural biology, animal models, genetics, genomics, proteomics, bioinformatics, and computational biology. The Green Center's research programs focus on, but are not limited to, reproduction and development in a broad sense, as well as aspects of endocrinology, stem cells, cancer, metabolism, inflammation, immunity, and neurobiology.

For this search, we are particularly interested in recruiting a candidate who represents one or more of these areas of biology:

- **Signaling, chromatin, and gene regulation**, using a wide array of experimental approaches to address fundamental questions in nuclear signaling, chromatin, transcription, epigenetics, and RNA biology.
- **Molecular biology of female reproductive systems**, from stem cells, oogenesis, and fertilization, to implantation, placental function, pregnancy, and parturition, using cell-based or physiological models in combination with molecular or genomic approaches.
- **Genomic, proteomic, bioinformatic, computational, and evolutionary approaches to understanding gene regulation**, using state-of-the-art genomic, proteomic and computational tools.

The Green Center promotes and supports cutting-edge, integrative, and collaborative basic research in reproduction, development, and related areas of biology, as well as strong connections between basic and clinical research. This recruitment is part of a major university and department-supported renovation and rejuvenation of The Green Center over the past 6 years. Successful candidates will be housed in a newly renovated state-of-the-art research facility and provided a generous start-up package, and are expected to establish scientifically rigorous and externally funded research programs and participate in center, department, and university teaching and training programs. To learn more about The Green Center, visit: <http://www.utsouthwestern.edu/education/medical-school/departments/green-center/index.html>.

Candidates must have a Ph.D. or M.D. or equivalent in a relevant field of study, postdoctoral or comparable experience, and a demonstrated record of research excellence. Applicants should send a letter of application, curriculum vitae, and a statement of planned research projects as pdf files to **GreenCenter@UTSouthwestern.edu**. Please indicate one of the three research areas listed above (Molecular biology of female reproduction; Gene regulation; Genomics) in the subject line of the email. Applicants should also arrange for three letters of reference to be sent directly to the above e-mail address. Review of applications will begin on **October 30, 2017**, and will continue during the 2017–2018 academic year or until the position is filled, although applicants are encouraged to submit their materials as soon as possible.

*UT Southwestern is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.*



## APPLIED PHYSICAL SCIENCES

The Department of Applied Physical Sciences (APS) invites applications for three tenure-track or tenured faculty positions. The goal of APS is to bridge fundamental research and training in the science and engineering of materials with translational impact on society's most challenging problems. APS partners with all STEM and Health Affairs departments toward multidisciplinary, team-based research, education, and entrepreneurship in a top 10 public research university. This hiring initiative continues an aggressive strategy to build a pre-eminent Department of Applied Physical Sciences, aiming for 20 new hires together with joint appointments from partnering departments. These new positions are intended to build upon existing strengths and aim for international prominence and leadership in the science and engineering of materials at the intersection of the physical, life, and energy sciences.

All candidates should have clear potential, and commitment for research excellence, multidisciplinary collaboration, extramural funding from government, industry, or other sources, and translational impact in education and entrepreneurship. Excellence and commitment to education and mentorship at the graduate and undergraduate levels are essential qualities for these recruitments. The Department and University are broadly committed to equity and inclusion. It is part of our institutional mission to teach and engage a diverse community of undergraduate and graduate students, and postdoctoral scholars. We especially welcome applications from candidates who are committed to advancing these ideals. A PhD in a STEM field (science, technology, engineering or math) or related fields that contribute to applied physical sciences, is required.

Applications will only be accepted online (<http://unc.peopleadmin.com/postings/128403>). Applicants should submit a curriculum vitae, a research statement, a statement on teaching and mentorship, and 1-2 representative publications (optional). Applicants are required to identify the names, titles, email addresses and phone numbers of four professional references when applying. Reference providers identified by the applicant will be contacted via email with instructions for uploading their letters of support. Review of fully completed applications will begin **October 30, 2017**. Positions are open until filled. Questions should be directed to: Chair, Applied Physical Sciences Search Committee, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3050, [apssearch@unc.edu](mailto:apssearch@unc.edu).

*The University of North Carolina at Chapel Hill is an Equal Opportunity Employer that welcomes all to apply, including protected veterans and individuals with disabilities.*

## UT Southwestern Medical Center

### TENURE-TRACK POSITIONS

The Department of Physiology invites outstanding scientists with Ph.D., M.D., or equivalent degrees to apply for tenure-track faculty positions at the level of Assistant Professor. Candidates who bring innovative approaches to the study of any under-explored/unexplored questions broadly related to physiology are encouraged to apply. The scientific excellence of the candidates is more important than the specific area of research.

These positions are part of the continuing growth of the Department at one of the country's leading academic medical centers. They will be supported by significant laboratory space, competitive salaries, state-of-the-art core facilities and exceptional start-up packages. The University of Texas Southwestern Medical Center is the scientific home to six Nobel Prize laureates and many members of the National Academy of Sciences and Institute of Medicine. UT Southwestern conducts more than 3,500 research projects annually totaling more than \$417 million. Additional information about the Department of Physiology can be found at <http://www.utsouthwestern.edu/education/medical-school/departments/physiology/index.html>.

Applicants should submit a CV, a brief statement of current and proposed research, and a summary of your two most significant publications describing the importance of the work (100-150 words each). Please arrange to have three letters of recommendation sent on his/her behalf. All items should be submitted to: <http://academicjobsonline.org/ajo/jobs/9585>. Completed applications will be reviewed starting **November 1, 2017**. You may email questions to [ron.doris@utsouthwestern.edu](mailto:ron.doris@utsouthwestern.edu).

*UT Southwestern Medical Center is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.*



## Faculty Position - Vector Ecologist Department of Biological Sciences

The Department of Biological Sciences invites applicants for a tenure-track faculty position (academic year appointment at the Assistant Professor level) in Vector Ecology, addressing fundamental questions on the relationships among vectors, pathogens, and hosts. We seek candidates with research interests including (but not limited to) emerging infectious diseases, zoonotic diseases, epidemiology, vector and pathogen evolution, biodiversity-disease relationships, short- and long-term impacts of climate change, population genetics, and land-use changes.

Applicants must have a Ph.D. or equivalent in Biology or related field and relevant postdoctoral experience. The successful applicant is expected to maintain an externally funded research program in Vector Ecology, teach undergraduate and graduate students, and participate in ongoing programs in the Ecology and Evolutionary Biology area and the Department of Biological Sciences.

Extensive opportunities for collaboration exist across the Purdue campus. The Department of Biological Sciences has over 50 faculty members conducting research in ecology and evolutionary biology, structural biology, neurobiology, virology, microbiology, molecular and cell biology, bioinformatics, and biology education <http://www.bio.purdue.edu>. These opportunities are enhanced by a highly interactive community of scientists within the Colleges of Science, Agriculture, Pharmacy, Health and Human Sciences, Veterinary Medicine and Engineering and interdisciplinary centers in the life sciences including the Purdue Center for the Environment, the Purdue Institute of Inflammation, Immunology and Infectious Diseases, the Purdue Institute for Integrative Neuroscience, and the Purdue Institute for Drug Discovery.

Applications should be submitted electronically to <https://hiring.science.purdue.edu/> as a single PDF file containing a letter of interest, a detailed curriculum vitae, contact information for three references, a two to three page summary of research interests, and a one-page teaching statement. Purdue University's Department of Biological Sciences is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction and engagement. Candidates should address at least one of these areas in their cover letter, indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue is an ADVANCE institution. Inquiries should be directed to **Professor Esteban Fernandez-Juricic**, Chair, Vector Ecologist Biology Search Committee at ([search@bio.purdue.edu](mailto:search@bio.purdue.edu)) or Vector Ecologist Biology Search Committee, Department of Biological Sciences, Purdue University, 915 W. State St., West Lafayette, IN 47907-2054. Review of applications will begin **October 16, 2017** and continue until the position is filled. A background check is required for employment in this position.

*Purdue University is an EOE/Affirmative Action Employer.  
All qualified applicants, including minorities, women,  
individuals with disabilities and veterans are  
encouraged to apply.*



MEDICAL UNIVERSITY  
of SOUTH CAROLINA

## Tenure Track Faculty Position in Regenerative Medicine and Cell Biology

Medical University of South Carolina,  
Department of Regenerative Medicine  
and Cell Biology

A tenure track faculty position at the Assistant or Associate Professor level is available for a researcher who uses cellular and/or molecular-genetic approaches to address fundamental aspects of human disease. Candidates interested in the study of cardiovascular or digestive disease using stem cells are particularly encouraged to apply. Competitive salary, laboratory space and start-up funds are available. Candidates at the Associate Professor level are expected to bring a vigorous research program with significant extramural funding. Current research strengths in the department include tissue engineering, pluripotent stem cell differentiation, cardiovascular development, digestive disease, and molecular biology of cell function. Research is supported by several excellent core facilities specializing in imaging, genetically modified mice and rats, drug discovery, proteomics, genomics, and flow cytometry. A Ph.D. or M.D./Ph.D. degree (or equivalent), plus additional postdoctoral experience are required. Information about the Department can be found at <http://cba.musc.edu>.

Applicants should provide a research plan and a curriculum vitae including the names of three references through the MUSC employment portal: <http://careers.pageuppeople.com/756/cw/en-us/job/499487/univ-assistant-professor-regenerative-medicine>. Review of applications will begin on November 1, 2017 and continue until the position is filled.

The Medical University of South Carolina in Charleston was established in 1824 and is one of the oldest continuously operating medical schools in the United States. It is ranked in the upper quartile of all freestanding academic medical schools. The university has approximately 2,200 graduate and professional students that are supported by 2,000 faculty members. Total annual research funding exceeds of \$250 million. This includes funding that supports the NCI-designated Hollings Cancer Center as well as a Clinical and Translational Science Award.

*MUSC is an Affirmative Action/Equal Opportunity Employer.*

ulture, Food, and Renewable Resources • Anthropology • Astronomy • Atm  
eric and Hydropheric Sciences • Biological Sciences • Chemistry • Dentistr  
ral Health Sciences • Education • Engineering • General Interest in Scienc  
engineering • Geology and Geography • History and Philosophy of Science • Ind  
ce and Technology • Information, Computing, and Communication • Ling  
language Sciences • Mathematics • Medical Sciences • Neuroscience • Phar  
ical Sciences • Psychology • Socioeconomic, and Political Scienc  
etal Impacts • Space Sciences • Theoretical Sciences • Agriculture, Food, a  
able Resources • Anthropology • Astronomy • Atmospheric and Hydrosp



AAAS MEMBERSHIP.  
MAKE THE CONNECTION.

**Join AAAS Sections.**  
They are the foundation  
of your AAAS membership

- Be a subject-matter expert.
- Represent your discipline.
- Network with leaders in your field.

[aaas.org/sections](http://aaas.org/sections)

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



## Institute of Biological Chemistry, Assistant Professor

The Institute of Biological Chemistry at Washington State University seeks a motivated and promising researcher engaged in a fundamental area of modern plant science. Applications are invited for an Assistant Professor who will use innovative research approaches that incorporate biochemistry/biophysics, structural biology, systems biology or phenomics/phenotyping in key strategic areas of plant metabolism, growth and development. Examples of relevant areas include: a) strong background in plant growth/development and adaptation to the environment, including the fledgling field of phenomics, b) developing strategies to significantly redirect carbon allocation from photosynthesis into specific classes of metabolites in plants, and c) identifying and providing novel sources of sustainable, ecologically neutral, plant-derived substances suitable for biofuels and biomaterials. This is a 9-month, tenure-track full-time faculty position to begin August 16, 2018, or as negotiated, at the university's main campus in Pullman, Washington. Successful applicants are expected to rapidly develop a highly competitive research program and contribute substantially to the missions of the Institute of Biological Chemistry and College of Agricultural, Human and Natural Resource Sciences.

**Responsibilities** will include developing and maintaining a vigorous research program supported by extramural funding; developing and teaching courses on topics in modern plant biology that complements existing courses, training and mentoring graduate students; working effectively with individuals and groups with a variety of identities, cultures, backgrounds, and ideologies in a global environment; and participating in committee service at the department, college, and/or university level. The successful applicant will be expected to conduct a program of research consistent with the missions of the WSU Agricultural Research Center. **Required:** PhD or equivalent, and one year of postdoctoral experience by start date. Expertise in using innovative approaches in plant biochemistry/biophysics structural biology, systems biology, or phenomics/phenotyping in key strategic areas of plant metabolism, growth and development. **Preferred:** Evidence of quality and quantity of research accomplished in a fundamental area of modern plant science; a coherent research plan that incorporates some or all of the approaches identified under the required qualifications; and excellent oral and written communications skills.

**Screening of application materials begins October 15, 2017** and will continue until the position is filled. To apply, visit [www.wsujobs.com](http://www.wsujobs.com). Be prepared to submit curriculum vitae, a statement of research interests, and a description of future research plans, as well as the names and contact information for three professional references. For a complete position description listing all required and preferred qualifications and application process, visit <https://www.wsujobs.com/postings/34520> (Search 78514). Please contact David Gang, Search Committee Chair, at [millerhm@wsu.edu](mailto:millerhm@wsu.edu), for questions about this position. For additional information on Washington State University, the College of Human and Natural Resource Sciences or the Institute of Biological Chemistry, visit [cahms.wsu.edu](http://cahms.wsu.edu), and [ibc.wsu.edu](http://ibc.wsu.edu).

EEO/AA/ADA.



### Assistant/Associate Professor in Bioinformatics Center for Biomedical Informatics (CBI) and the Center for RNA Biology

The University of Rochester Medical Center (URMC) is expanding its research activities in the area of bioinformatics. We are seeking investigators at the Assistant or Associate Professor level with independent and collaborative research programs. Six to ten faculty will be recruited into tenure track positions over the next three years.

Here we are searching for investigators with expertise in the broad areas of bioinformatics, quantitative or systems biology and a research program in RNA biology. Successful candidates will hold appointments in the newly founded CBI and the RNA Center. Academic department affiliation will be determined according to the best fit. Candidates with research experience in the following areas are highly encouraged to apply: genome and transcriptome informatics, systems biology, population transcriptomics, single-cell sequencing analysis, machine learning, data mining, computational modeling, developing new computational tools for high-throughput RNA analysis and data visualization, multi-dimensional data integration of clinical and gene expression, including epigenetic data.

URMC offers attractive start-up packages and has a strong commitment to career development. The successful candidate is expected to develop a competitive research program, attract external funding, and participate in graduate education. Major recent institutional investments have created an outstanding research data-driven infrastructure, exemplified by the Health Sciences Center for Computational Innovation, and the recent \$50 million University investment to build the Institute for Data Science.

Applicants should submit a letter of application, CV, statement of research interests/plans, and arrange to have three letters of recommendation sent to: [daina\\_bullwinkel@URMC.Rochester.edu](mailto:daina_bullwinkel@URMC.Rochester.edu). Inquiries can be directed to Dirk Bohmann ([dirk\\_bohmann@urmc.rochester.edu](mailto:dirk_bohmann@urmc.rochester.edu)) or Lynne Maquat ([lynne\\_maquat@urmc.rochester.edu](mailto:lynne_maquat@urmc.rochester.edu)).

*The University of Rochester is an Equal Opportunity Employer and has a strong commitment to diversity; it actively encourages applications from groups underrepresented in higher education.*



### THAYER SCHOOL OF ENGINEERING AT DARTMOUTH

#### TENURE-TRACK FACULTY POSITION

The Thayer School of Engineering invites applications for a tenure-track faculty position at the Assistant Professor level. The successful candidate will develop an internationally recognized research program supported with external funding, and will demonstrate excellence in teaching both undergraduate and graduate engineering courses. A PhD or ABD in engineering or related sciences is required.

Interested candidates should apply thru Interfolio at:  
[apply.interfolio.com/45150](http://apply.interfolio.com/45150)

*Dartmouth College is an Equal Opportunity/Affirmative Action Employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are encouraged.*



**Massachusetts  
Institute of  
Technology**

Come work with us!

## Faculty Position in Plant Biotechnology

### Department of Biological Engineering

#### Massachusetts Institute of Technology (MIT) – Cambridge, MA

The MIT Department of Biological Engineering invites applications for tenure-track faculty positions at the assistant professor level, to begin July 2018 or on a mutually agreeable date thereafter. Applicants should hold a Ph.D. in a science or engineering discipline related to biological engineering by the beginning of employment. A more senior faculty appointment may be considered in special cases. Candidates should aspire to direct a leading research program that fuses molecular/cellular bioscience with quantitative engineering analysis/synthesis approaches. Areas of high priority include plant biotechnology with applications to agriculture, nutrition, or medicinals. Faculty duties include teaching at the graduate and undergraduate levels as well as oversight of research, and candidates should be capable of instructing in our core biological engineering educational curricula.

**To Apply:** Interested candidates must register with the BE search website at <http://be-fac-search.mit.edu> and submit application materials electronically to this website.

Candidate applications should include a description of professional interests and goals in both teaching and research. Each application should include a curriculum vitae and the names and addresses of three or more references who will provide recommendation letters. References should submit their letters directly at the <http://be-fac-search.mit.edu> website.

Applications received by 1st December 2017 will be given priority.

Questions may be directed to: Prof. Douglas Lauffenburger, Head, Department of Biological Engineering, MIT, Room 16-343, 77 Massachusetts Avenue, Cambridge MA 02139, [lauffen@mit.edu](mailto:lauffen@mit.edu)

*MIT is an equal employment opportunity employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin.*

<http://web.mit.edu>



**Massachusetts  
Institute of  
Technology**

Come work with us!

## Faculty Position in Molecular/Cell Bioengineering

### Department of Biological Engineering

#### Massachusetts Institute of Technology (MIT) – Cambridge, MA

The MIT Department of Biological Engineering invites applicants for tenure-track faculty positions at the assistant professor level, to begin July 2018 or on a mutually agreeable date thereafter. Applicants should hold a Ph.D. in a science or engineering discipline related to biological engineering by the beginning of employment. A more senior faculty appointment may be considered in special cases. Candidates should aspire to direct a leading research program that fuses molecular/cellular bioscience with quantitative engineering analysis/synthesis approaches. Areas of high priority include biomolecular engineering and biophysics along with stem cell biotechnology. Faculty duties include teaching at the graduate and undergraduate levels as well as oversight of research, and candidates should be capable of instructing in our core biological engineering educational curricula.

**Apply:** Interested candidates must register with the BE search website at <http://be-fac-search.mit.edu> and submit application materials electronically to this website.

Candidate applications should include a description of professional interests and goals in both teaching and research. Each application should include a curriculum vitae and the names and addresses of three or more references who will provide recommendation letters. References should submit their letters directly at the <http://be-fac-search.mit.edu> website.

Applications received by 1st December 2017 will be given priority.

Questions may be directed to: Prof. Douglas Lauffenburger, Head, Department of Biological Engineering, MIT, Room 16-343, 77 Massachusetts Avenue, Cambridge MA 02139, [lauffen@mit.edu](mailto:lauffen@mit.edu)

*MIT is an equal employment opportunity employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin.*

*MIT is an Equal Opportunity/Affirmative Action employer*

<http://web.mit.edu>

## ScienceCareers

FROM THE JOURNAL SCIENCE AAAS

Step up  
your job  
search with  
*Science*  
Careers



- Access thousands of job postings
- Sign up for job alerts
- Explore career development tools and resources

Search [ScienceCareers.org](http://ScienceCareers.org)



## Tenure Track Faculty Position

The Life Sciences Institute (LSI) at the University of Michigan invites applications for a position at the rank of Assistant or Associate Professor in any research area. Additional consideration may be given to scientists using chemical approaches to address important biological questions. Faculty will hold research professor appointments in the LSI and a tenure-track or tenured appointment in one of the University's schools and colleges. For additional information see:

[lsi.umich.edu/careers](http://lsi.umich.edu/careers)

Preference will be given to applicants who have submitted all requested materials prior to **October 30, 2017**. Interested applicants will submit a cover letter, curriculum vitae, a summary of future research plans (up to 4 pages), contact information for three references, and copies of up to three publications on our online application site ([lsi.science/facultyposting](http://lsi.science/facultyposting)). Individuals from groups historically under-represented in the sciences are strongly encouraged to apply.

*The University of Michigan is supportive of the needs of dual career couples and is a non-discriminatory, affirmative action employer.*



## Department of Genetics, Yale University School of Medicine



### Tenure-Track Faculty Position (Assistant/Associate/Full Professor)

The Department of Genetics at Yale University School of Medicine invites applications for junior or senior tenure-track faculty positions. The search is focused on areas of Computational Biology, Genomics and Systems biology. Applications from investigators working at the interface of these areas will be strongly considered. The rank of the appointment will be commensurate with experience.

The Department of Genetics comprises an exceptional group of 31 primary basic science faculty with research interests including fundamental aspects of Human Genetics, Computational Biology, Genomics, Developmental Biology, and Epigenetics, using different model systems including flies, worms, fish and mouse, and humans (<https://medicine.yale.edu/genetics/>). The Department is closely associated with science initiatives at Yale including The Cancer Center, The Center for Neuroscience, The Stem Cell Center and the Yale Center for Genome Analysis, which is embarked in projects spanning Personalized Medicine, Human Genetics and Cancer biology.

Candidate must hold a Ph.D., M.D., or equivalent degree. Applications and letters of references can be uploaded through InterFolio's by Committee application website <https://apply.interfolio.com/44356>. Applications should include a cover letter, a curriculum vitae, a description of previous research (1 page), a concise statement of research plans (up to 2 pages), reprints of two publications and the names of three references, to the attention of Dr. Antonio Giraldez Chair of the Genetics Department. Questions should be sent to [genetics.admin@yale.edu](mailto:genetics.admin@yale.edu). Applications will begin to be evaluated **November 15th, 2017**.

Interviews will take place as part of a multidisciplinary symposium including candidates for different searches. Please reserve the dates of Jan 16-17<sup>th</sup>, Jan 29-30<sup>th</sup>, Feb 5-6<sup>th</sup>, Feb 19-20<sup>th</sup> (snow date) as potential dates for the symposium in case you are selected for an interview.

### Tenure-Track Faculty Position (Assistant/Associate/Full Professor)

The Department of Genetics at Yale University School of Medicine invites applications for junior or senior tenure-track faculty positions. The search is open to investigators from all areas of biological and biomedical research. We are particularly interested in applicants focused on Developmental Biology, Systems Biology, Imaging, Quantitative Biology and Genetics. Applications from investigators working at the interface of these areas will be strongly considered. The rank of the appointment will be commensurate with experience.

The Department of Genetics comprises an exceptional group of 31 primary basic science faculty with research interests including fundamental aspects of Developmental Biology, Genetics, Genomics and Epigenetics, using different model systems including flies, worms, fish and mouse, and humans (<https://medicine.yale.edu/genetics/>). The Department is closely associated with science initiatives at Yale including The Cancer Center, The Center for Neuroscience, The Stem Cell Center and the Yale Center for Genome Analysis

Candidate must hold a Ph.D., M.D., or equivalent degree. Applications and letters of references can be uploaded through InterFolio's by Committee application website <https://apply.interfolio.com/44354>. Applications should include a cover letter, a curriculum vitae, a description of previous research (1 page), a concise statement of research plans (up to 2 pages), reprints of two publications and the names of three references, to the attention of Dr. Antonio Giraldez Chair of the department of Genetics. Questions should be addressed to [genetics.admin@yale.edu](mailto:genetics.admin@yale.edu). Applications will begin to be evaluated **November 15th, 2017**.

Interviews will take place as part of a multidisciplinary symposium including candidates for different searches. Please reserve the dates of Jan 16-17<sup>th</sup>, Jan 29-30<sup>th</sup>, Feb 5-6<sup>th</sup>, Feb 19-20<sup>th</sup> (snow date) as potential dates for the symposium in case you are selected for an interview.

### Scientific Manager and Advisor to the Chair of Genetics

The Department of Genetics at Yale University is searching for a research track position as a Scientific Advisor to the Chair to function as a scientific manager whose primary responsibilities will be to work with the Chair to coordinate scientific activities, organize research faculty recruitment, and grant writing within the Genetics Department. We seek an individual with an outgoing personality who is motivated, reliable and flexible, and who can work both independently and within a team. The primary responsibilities will be:

- To coordinate scientific initiatives in the department
- Manage communications and support the faculty in Genetics in grant writing and manuscript editing
- Coordinate faculty research recruitment efforts
- Drive federal and state funding campaigns to support the genetics department

We are looking for a dynamic leader with the following attributes to join our team:

- Degree in the life sciences (PhD or MD), with previous experience as Scientific editor, consulting, managerial positions and/or funding agencies/grant writing
- Ability to interact with scientists at different levels across disciplines
- Excellent writing and managerial skills

Prospects of the position: We offer an interesting position in the exciting and growing area of Genetics, Genomics and Developmental Biology and Personalized Medicine; opportunity for growth in responsibilities; and impact within Yale University. Salary according to your experience. Starting date for the position is January 1, 2018. Applications will be reviewed upon receipt.

To apply, please submit a cover letter describing your motivation and experience in science, management, consulting and grant writing, your CV, a one page scientific essay on any topic of choice, and the names of three references, to <http://apply.interfolio.com/44666> to the attention of Antonio Giraldez, Chair of Genetics. Inquiries should be addressed to Neltja Brewster, [neltja.brewster@yale.edu](mailto:neltja.brewster@yale.edu)

## Full, Associate or Assistant Professor, Cancer Biology



### Perelman School of Medicine UNIVERSITY OF PENNSYLVANIA

The Department of Cancer Biology at the **Perelman School of Medicine at the University of Pennsylvania** seeks candidates for a Full, Associate, and/or Assistant Professor position in the tenure track. The successful applicant will have experience in the field of cancer biology, including but not limited to tumor immunology, chemical biology, cancer metabolism, cancer genetics and epigenetics, cancer cell biology, tumor microenvironment, stem cells, and metastasis. Responsibilities include maintenance of an externally funded independent research program, as well as teaching and mentoring of students. Applicants must have an Ph.D. and/or M.D. degree and have demonstrated excellent qualifications in research and education.

*We seek candidates who embrace and reflect diversity in the broadest sense. The University of Pennsylvania is an EOE. Minorities/Women/Individuals with disabilities/ Protected Veterans are encouraged to apply.*

To apply: [http://www.med.upenn.edu/apps/faculty\\_ad/index.php/g/d4794](http://www.med.upenn.edu/apps/faculty_ad/index.php/g/d4794)

*Yale University is an Affirmative Action/Equal Opportunity Employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.*



## Assistant Professor Stem Cells and Regeneration in Biological Sciences

The Department of Biological Sciences (<http://www.albany.edu/biology>), University at Albany, State University of New York, invites applications for a tenure-track position at the Assistant Professor level in the area of stem cell and/or regenerative biology. Research areas of interest include the biology of stem cells in developmental processes, regeneration, or specific diseases. Candidates can use any tractable model system in pursuit of their research interests, but those building on the Department's existing strength in *Drosophila*, mouse, and mammalian cell models are particularly encouraged to apply. The study of stem cells and regenerative biology involves systems-level questions, and therefore, the use of quantitative and systems biology approaches is desired. The successful candidate is expected to establish a sustained, externally funded research program that may include collaborative research. Applicants should have the ability to interact with a diverse faculty working across many research areas. Local opportunities for collaboration within the university include faculty in the Life Sciences (<http://www.albany.edu/lifesciences>), the RNA Institute (<http://www.albany.edu/rna>), and the School of Public Health (<http://www.albany.edu/sph>). Successful candidates will contribute to the Department's graduate program in Molecular, Cellular, Developmental, and Neural Biology, and will be expected to teach at the undergraduate and graduate levels in courses appropriate to their expertise. Initial salary and startup funds are competitive.

Applicants must have a Ph.D. from a university accredited by the U.S. Department of Education or an internationally recognized accrediting organization, at least three years of post-doctoral experience, and a strong publication record. To apply, submit a CV, a statement of research interests that includes future plans (limited to five pages), a statement of teaching interests (limited to three pages), three or more letters of reference, and selected reprints (a maximum of five). Applicants must address their ability to work with a culturally diverse population in their cover letter. Applications will be reviewed beginning October 10 and will continue until the position has been filled.

Application Materials will be accepted on-line at:  
<http://albany.interviewexchange.com/candapply.jsp?JOBID=89270>

*The University at Albany is an EO/AE/IRCA/ADA Employer.*

Advance your career  
with expert advice from  
Science Careers.



### Computational Evolutionary Biology

The Center for Computational Biology (Computational Biology Program) and the Department of Ecology and Evolutionary Biology invite applications for an assistant professor, tenure-track faculty position to begin as early as August 18, 2018. The interdisciplinary Center for Computational Biology (<http://compbio.ku.edu>) seeks to leverage and complement existing strengths in the Department of Ecology and Evolutionary Biology (<http://eeb.ku.edu>) by recruiting in the area of computational evolutionary biology. The Center fosters international activities in Computational Biology and combines outstanding research and a Ph.D. program. The Department of Ecology and Evolutionary Biology has research foci in Ecology and Global Change Biology, Evolutionary Mechanisms, and Biodiversity and Macroevolution. Its graduate program includes students seeking Masters or Ph.D. degrees.

The University of Kansas is especially interested in hiring faculty members who can contribute to the climate of diversity in the College of Liberal Arts and Sciences and four key campus-wide strategic initiatives: (1) Sustaining the Planet, Powering the World; (2) Promoting Well-Being, Finding Cures; (3) Building Communities, Expanding Opportunities; and (4) Harnessing Information, Multiplying Knowledge. For more information, see [www.provost.ku.edu/planning/themes/](http://www.provost.ku.edu/planning/themes/).

**Required Qualifications:** Ph.D. in a discipline related to Computational Evolutionary Biology is expected by the start date of the appointment; potential for excellence in research in Computational Evolutionary Biology; demonstrated commitment to teaching life sciences courses; and a strong record of research accomplishments in the area of computational evolutionary biology, broadly construed, including but not limited to molecular evolution, evolution of interaction networks, microbial evolution, and the evolution of protein structure and/or function. To apply online, go to <https://employment.ku.edu/academic/10107BR>. A complete online application includes the following materials: curriculum vitae; letter of application, statement of teaching interests, research plan, and the names, e-mail, and contact information for three professional references. Initial review of applications will begin **November 14, 2017** and will continue as long as needed to identify a qualified pool. Direct inquiries to Drs. Mark Holder ([mholder@ku.edu](mailto:mholder@ku.edu)) or Christian Ray ([jjray@ku.edu](mailto:jjray@ku.edu)). The successful candidate for the position must be eligible to work in the U.S. prior to the start of the position.

*KU is an EO/AE, full policy <http://policy.ku.edu/IOA/nondiscrimination>.*

Download Free Career  
Advice Booklets!

[ScienceCareers.org/booklets](http://ScienceCareers.org/booklets)

#### Featured Topics:

- Networking
- Industry or Academia
- Job Searching
- Non-Bench Careers
- And More



**Science** **Careers**

FROM THE JOURNAL SCIENCE AAAS

**myIDP: A career plan customized for you, by you.**



There's only one *Science*.



Recommended by leading professional societies and the NIH

#### Features in myIDP include:

- Exercises to help you examine your skills, interests, and values.
- A list of 20 scientific career paths with a prediction of which ones best fit your skills and interests.
- A tool for setting strategic goals for the coming year, with optional reminders to keep you on track.
- Articles and resources to guide you through the process.
- Options to save materials online and print them for further review and discussion.
- A certificate of completion for users that finish myIDP and more.

Start planning today!

[myIDP.sciencecareers.org](http://myIDP.sciencecareers.org)

— **Science Careers** In partnership with: —



**UCLA**

## Tenure Track Assistant Professor or Tenured Track Associate Faculty position in Quantitative Cell and Developmental Biology

The Molecular, Cell and Developmental Biology (MCDB) Department at UCLA, and UCLA's Institute for Quantitative and Computational Biosciences, seek to hire an outstanding candidate for a tenure-track Assistant Professor or tenured track Associate Professor position with a research program that uses imaging, quantitative reasoning and/or computational approaches to address fundamental questions in cell or developmental biology.

The ideal candidate will lead a creative and impactful research program at the intersection of cell and developmental biology, microscopy, image analysis, and quantitative modeling. Areas of particular interest include, but are not limited to: Systems analyses of developmental processes using live image data; reconstruction and analysis of cell lineages or cellular circuits; implementation of new approaches to visualize and study subcellular processes at high temporal or spatial resolution; computational modeling of biological phenomena in conjunction with experimental image data.

UCLA hosts thriving communities of cell and developmental biologists, computational biologists, and a growing group of scientists at their intersection. The successful candidate will contribute to our undergraduate and graduate teaching missions in cell/developmental and quantitative/computational biology.

Successful applicants should convey their commitment to excellence in research, teaching, mentoring, and contributions to diversity and inclusion. A PhD or equivalent degree in molecular, cell, or developmental biology, genetics, biochemistry, bioengineering, physics, mathematics, or computer science or related fields. Questions regarding the position should be sent to Alvaro Sagasti at [sagasti@mcdb.ucla.edu](mailto:sagasti@mcdb.ucla.edu). The following materials should be submitted online: (1) a cover letter, (2) CV, (3) research statement, including past accomplishments and future plans, (4) a teaching statement, (5) a statement describing the applicant's accomplishments and commitment to promoting diversity and inclusion (6) up to 3 key papers exemplifying the applicant's research accomplishments, and (7) three reference letters. Submit materials to <http://apptrkr.com/1083691>. Application review will begin on October 31, 2017.

As UCLA is California's largest university with a diverse student body, we encourage applications from women, minorities, and individuals with a commitment to mentoring students from backgrounds traditionally under-represented in the sciences.

*The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination and Affirmative Action Policy (<http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>).*

# PRINCETON

**School of Engineering and Applied Science**

## ASSOCIATE OR FULL PROFESSOR

The School of Engineering and Applied Science at Princeton University invites applications for a new faculty position in the area of Bioengineering, at the associate or full professor rank. We welcome applications from all areas in biological engineering, including but not limited to engineering approaches to controlling and understanding intracellular self-assembly, tissue-level biological organization, and/or biological networks, as well as critical bio-related technology development (computational methods, sensing and imaging, biofabrication). Applicants must hold a Ph.D. in Bioengineering, Physics, Engineering, or a related subject, and have a demonstrated record of excellence and leadership in research. We seek faculty members who will be instrumental to creating an ecosystem of excellence and diversity, with a strong commitment to teaching and mentoring. Princeton's School of Engineering and Applied Science has a strong core of faculty engaged in Bioengineering-related research, distributed in all engineering departments, particularly Chemical and Biological Engineering, Computer Science, Mechanical and Aerospace Engineering, and Electrical Engineering. These ongoing efforts also build on Princeton's historical strengths in interdisciplinary biology, focused in the departments of Molecular Biology and Ecology and Evolutionary Biology, together with the Lewis Sigler Institute for Integrative Genomics, and the Princeton Neuroscience Institute. We seek creative and enthusiastic candidates with the background and skills to build upon and complement existing strengths, while leading Princeton's expanding Bioengineering program into new and exciting research areas in the future.

To ensure full consideration, applications should be received by **December 1, 2017**. Applicants should submit a curriculum vitae, including a list of publications and presentations, a 3-5 page summary of research accomplishments and future plans, a 1-2 page teaching statement, and contact information for at least five references online at <https://www.princeton.edu/acad-positions/position/3443>. Personal statements that summarize leadership experience and contributions to diversity are encouraged. This position is subject to the University's background check policy.

# UConn

**HEALTH**

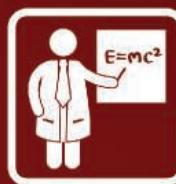
## DEPARTMENT OF IMMUNOLOGY UNIVERSITY OF CONNECTICUT SCHOOL OF MEDICINE

The Department of Immunology at the University of Connecticut, School of Medicine, seeks an outstanding investigator for a tenure-track position at the Assistant or Associate Professor rank to establish an extramurally funded laboratory. We are searching for faculty candidates in all areas of Immunology including cellular and molecular immunology in various fields of infectious and inflammatory diseases, cancer, autoimmunity, vaccines, metabolism and others. Prospective candidates should bring innovative ideas and cutting edge technology to an already vibrant immunology community consisting of expertise in both adaptive and innate immunity. The ideal candidate will participate in graduate student training, and have access to a growing translational research community and an expanding scientific environment in the capital region. Salary and start-up funds are highly competitive and outstanding core facilities are available. Applicants must have a Ph.D. and/or M.D. with several years of postdoctoral training and a high impact publication record. For Associate Professor level a history of extramural funding is expected. In addition to the beauty of the picturesque New England countryside, the Hartford area offers a lively art and cultural scene and an exceptional outdoor sports environment. In a single pdf file please submit a curriculum vitae, maximum two-page summary of research accomplishments and interests, and the names and contact information of three references through the UConn Health Employment Services website, <https://jobs.uchc.edu>. Search no. 2018-074. Please address questions to the search committee chair, c/o Ms. Kimberly Young (Email: [immunology@uchc.edu](mailto:immunology@uchc.edu)). For further information on UConn Health, please visit <https://health.uconn.edu/immunology>. (The deadline to submit applications is December 1, 2017.)

*UConn Health is an Affirmative Action and Equal Employment Opportunity employer, who encourages Males, Females, Veterans, Minorities and Persons with Disabilities to apply.*

# ONE APP... THOUSANDS OF JOBS

- Jobs are updated 24/7
- Search thousands of jobs
- Get job alerts for new opportunities



# ScienceCareers



Download on the  
App Store



## WHERE SCIENCE AND POLICY CHANGE THE WORLD. AND YOU.

With assignments in federal agencies, on Capitol Hill and in the judicial branch, you are on the front line of important societal issues.

**AAAS Science & Technology Policy Fellowships** offer the premier opportunity for outstanding scientists and engineers to learn first-hand about policymaking while contributing their knowledge and analytical skills to address some of today's most pressing societal challenges. Enhance your career while engaging with policy administrators and thought leaders.

Fellows serve yearlong assignments in the federal government and represent a broad range of backgrounds, disciplines and career stages.

Join a growing corps of over 3,300 strong, policy-savvy leaders working across academia, government, nonprofits and industry to serve the nation and citizens around the world.

Apply and make a difference! To learn more visit [go.stpf-AAAS.org/science2](http://go.stpf-AAAS.org/science2)

**AAAS** | Science & Technology  
Policy Fellowships  
ENHANCING POLICY, TRANSFORMING CAREERS