New lab, new adventure: Moving your lab to another country

You’ve accepted the offer, signed the contract, and will be taking a new job at an institution somewhere in another country. As your excitement builds about the opportunity to launch a new life in a new culture, you suddenly realize that you have to ship your lab over there too. **By Alaina G. Levine**

Let’s suppose you’re an entomologist. Your lab includes an enormous walk-in growth chamber, stuffed floor to ceiling with cages filled with tens of thousands of insects. You have to feed those bugs too, so you’ve also got hundreds of plants you are growing. Now you get a job in another country. What do you do with your stuff?

This was exactly the question **Sean Prager** had to address when he was recruited from the University of California, Riverside, to the University of Saskatchewan, in Canada. He joined the Department of Plant Sciences as an assistant professor in 2017, but before he could pull his parka from storage, he had to figure out how to get his bugs across the border.

Moving his lab was simple at first. Equipment was not a problem—he didn’t need to ship any apparatus, because his new institution was providing it for him as part of the startup package he negotiated. But if he had needed to bring a specialized piece of equipment, he says, he could have easily driven it across the land border.

But transferring insects was more intricate. As Prager describes, his laboratory specimens contained a pathogen that is not found in Canada, one which had the potential to infect key crops. If you want to bring live insects from the United States, Canadian federal officials will only grant a permit if you have a facility already set up to take custody of your specimens without the possibility of an outbreak. “We do not have such a facility,” says Prager. “So before I can accept these insects [into my new lab], I have to get grant money, develop engineering plans, and build a facility. All roads lead to having a facility, and without it, I can’t ship. It might be a couple of years before I can get them. I am in the process of doing this.”

Prager was lucky to have learned some of the minutiae of moving a lab across international boundaries from his mentors, and mostly from doing a postdoc in a quarantined facility. But it still didn’t ease any of the permitting complications he encountered. While he waits for his insects, he has begun new projects focused on different species. This flexibility is certainly something he encourages other researchers to embrace, especially as they endeavor to move their labs across the globe. “As a biologist you can shift, for example, to work on a new plant or a new bug in the new place,” he says. “We have shifted to using different insects to ask the same biology questions or solve more local problems here.”

Moving your research enterprise to any institution has exciting potential, and it can be even more so when moving it across nations. If you are a scientist who chooses to take a new job internationally, there are opportunities to start new projects, engage in new research arenas, collaborate with new colleagues, and immerse yourself in a new culture. But before you start work, there are challenges you’ll have to contend with.

**Planning, negotiating, and shipping**

One key factor in planning your international move is determining how you will physically relocate your objet de recherche. A good launch point for this series of critical decisions is during negotiations with your new place... cont.>
Moving your lab to another country

“If you talk to the granting officers, they will come up with [funding] solutions that make sense. They want to see you and your students be successful.”

– Antoine van Oijen

of employment. When John Connolly, director of the Program in Translational Immunology at the Institute of Molecular and Cell Biology (IMCB), an autonomous research institute of the Agency for Science, Technology and Research (A*STAR) in Singapore, negotiated his compensation package, he specifically requested money for shipment and for personnel who would already be in place to receive and potentially accelerate the launch of his new lab.

Sometimes you can take your equipment with you to the new university. As Antoine van Oijen, a molecular biophysicist and distinguished professor and director of the Molecular Horizons research facility at the University of Wollongong in Australia, was preparing for his move from The Netherlands, he discovered that it was permissible to keep the microscopy tools and optical tables he had purchased for his laboratory. “They were bought by a personal grant, not an institutional or government grant,” he notes. “The institution pointed out that it was my right to take the equipment, which is indicative of how supportive they were of my move.” And because he was migrating on good terms, he was inclined to leave some of his equipment behind to allow his graduate students and postdocs to continue work on ongoing projects, which helped create a smooth transition for those proteges who were not moving with him to Australia.

Melike Lakadamyali, assistant professor in the Departments of Cell and Developmental Biology and of Physiology in the Perelman School of Medicine, University of Pennsylvania, did the same thing—she strategically negotiated with her former employer, the Institute of Photonic Sciences (ICFO) outside Barcelona, for a grace period in which her old lab could be utilized by grad students and postdocs staying in Spain. She continued supervising her charges, heading back to ICFO several times during the first year she was stateside. Her research excelled in both locations, with both employers’ blessings.

Lakadamyali’s experience was part of a “back-and-forth negotiation” with both institutions, she says. In particular, she ensured that her startup package at Penn included funds for her to buy her equipment from ICFO at a depreciated value. This was less expensive than purchasing new equipment once she got to the States. ICFO had specific guidelines for this, including rules regarding the depreciation value of her items. She advises other scientists to investigate whether this is a feasible and favorable solution when it comes to planning a lab move.

It’s also recommended to start communicating about the moving plan with your new colleagues early. Eloise Dray, research assistant professor at the University of Texas Health Science Center in San Antonio, has had a number of cross-globe migrations. She went from being a postdoc at Yale Medical School in New Haven, Connecticut, to holding positions as a researcher and eventually assistant professor at the University of Queensland, Australia. In 2018, she moved back to the States. In thinking about her initial move to Australia, Dray emphasizes that discussing your relocation strategy with your teammates at the new institution is essential. “The university often has a preferred carrier or provider of any service,” she says. And it’s vital to talk to both universities so you won’t be stuck because of bureaucratic concerns, such as having the right permits filed on both sides of the border for the samples you intend to take with you. “There are certain chemicals and reagents you are not allowed to have if you don’t have permits,” she says.

Choosing the right people

Indeed, the carrier is important, but only part of the equation. Once you pack up your devices and your flora, fauna, or fungi samples, you have to have someone receive them. This is where hiring a talented lab manager or technician can make a huge difference. When Chen Dong, professor and director of the Institute for Immunology and dean of the School of Medicine at Tsinghua University in China, shipped strains of mice to Asia from his old post at MD Anderson Cancer Center in Houston, Texas, he ensured that a technician was hired for his new lab. To safeguard his enterprise, he made certain the staff member knew the rules for receiving and managing the shipment, the local customs enforcement and regulations, and university procedures. Having an experienced team member in China was especially critical given that he was dealing with live animals. But in addition to hiring his new colleague, Dong did something especially strategic in preparing his move: He shipped the same strain twice in case something went awry with the first shipment. “I already knew to do this because we ship mice all the time to collaborators. Ship everything multiple times, at least twice,” he urges.

Dong, like Connolly, negotiated to get access to his startup funds before he went to China, to accelerate activation of his research activities. “It takes a long time to get a lab off the ground, and you want to be productive during that time,” echoes Connolly. “So it’s important to have people who have experience as a research officer or a purchasing manager, so... cont. >
The Division of Biological Sciences at the University of California, San Diego (www.biology.ucsd.edu) invites applications from outstanding candidates for the following faculty positions. All candidates must have earned a Ph.D. or equivalent degree, and be committed to teaching at the undergraduate and graduate levels. In addition to excellence and creativity in research and scholarship, successful candidates must also demonstrate a commitment to equity and inclusion in higher education. Associate and Full Professor candidates must possess strong leadership skills. We are especially interested in candidates who have created or contributed to programs that aim to increase access and success of underrepresented students and/or faculty in the sciences, and/or have detailed plans to accomplish such goals.

**Developmental Evolutionary Biology**: The Section of Ecology, Behavior & Evolution invites applications for a tenure-track faculty position at the Assistant, Associate, and Full Professor levels. Competitive candidates will investigate evolutionary questions through mechanistic studies of the developmental or physiological processes that produce phenotypic variation. Research topics could include, but are not limited to: evolutionary innovation; developmental constraints; phenotypic plasticity and genetic accommodation; and the evolution of genotype-phenotype maps. We welcome applicants incorporating laboratory, field, and/or theoretical components in their research.

**Molecular Cellular Mechanisms**: The Section of Molecular Biology invites applications for a tenure-track faculty position at the Assistant, Associate, and Full Professor levels. Candidates pursuing innovative research on the mechanisms of gene expression and function at the cellular and organismal levels are encouraged to apply. Potential areas of interest include, but are not limited to, studies that leverage multi-scale approaches from the single molecule to the cellular and organismal levels to understand complex biological processes.

**Neuroethology**: The Sections of Ecology, Behavior & Evolution and Neurobiology invite applications for a jointly-appointed faculty position at the tenure-track Assistant, Associate, and Full Professor levels. Candidates who use cutting edge molecular and neural approaches to investigate the neural bases of animal behavior in whole organisms with a strong focus on the natural ecological or evolutionary context of these behaviors are encouraged to apply. We welcome researchers who combine field and lab-based organismal approaches.

**Cell Biology**: The Section of Cell & Developmental Biology invites applications for a tenure-track faculty position at the Assistant, Associate, and Full Professor levels. Candidates who use innovative cell biological approaches in any system are welcome to apply. Those focused on gaining mechanistic cell biological insights through multi-scale research at organelle to organismal levels are strongly encouraged to apply. We are seeking interactive colleagues who bring integrative and/or community-enabling approaches to their studies, in areas including but not limited to biological imaging, intracellular dynamics and engineering.

**Teaching Professors**: The Division of Biological Sciences invites applications for 2 to 4 tenure-track faculty positions at the Assistant, Associate, and Full Teaching Professor levels. The incumbent’s primary responsibility will be to teach undergraduate courses for biology majors. Candidates with research backgrounds in any subfield of biology will be considered; we are particularly interested in candidates with significant experience in bioinformatics, biostatistics, computational biology, molecular biology, and/or fostering equity and inclusion and student success in undergraduate science education programs. In addition to teaching and service, the incumbent will also advance science education at UCSD and beyond through professional activities such as conducting and disseminating pedagogical research in science teaching methodologies.

Review of applications will commence on **October 28, 2019** and will continue until positions are filled. Interested applicants must submit a cover letter, curriculum vitae, statement of research, statement of teaching, a statement describing their past experience and leadership in fostering equity and diversity and/or their potential to make future contributions, and 3-5 publications. Applicants at the Assistant Professor level need to submit 3-5 references, and applicants at the Associate or Full Professor level need to provide contact information for 3-5 references. Applications must be submitted through the University of California San Diego’s Academic Personnel RECRUIT System at: [https://apol-recruit.ucsd.edu/apply](https://apol-recruit.ucsd.edu/apply).

The Division of Biological Sciences at UC San Diego is a vibrant center of scientific discovery, innovation, and collaboration. Our large research base spans many areas of biology and has one of the most celebrated graduate programs in the country. We are committed to academic excellence and diversity within the faculty, staff, and student body.

*UCSD is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to excellence through diversity. ([http://diversity.ucsd.edu/](http://diversity.ucsd.edu/)).*
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Featured participants

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that you can use the startup funds immediately. If you can get someone who is an excellent tech with years of experience as a lab manager, they are worth their weight in gold. Spend time finding the right person.”

Leaving graciously and gracefully

With all the details of your move meticulously plotted and executed, there is still one major area that you should not fail to take care of: leaving your current institution as graciously and gracefully as possible. Maintaining the connections that you carefully crafted at your soon-to-be-former employer should be a specific and solidified step in your moving strategy.

Moreover, you want to ensure that any grant funding you currently have through your old institution is managed and finalized appropriately and that your proteges are cared for. Van Oijen learned he could take certain funds with him. He helped plan a scenario where the grad students who would accompany him to Wollongong would be able to get two degrees, one from the Dutch institution he was leaving behind and one from the Australian university to which he was headed. “You really have to talk to the program officers at the granting agencies and in the grad schools of the universities, because in those informal conversations, that’s where the creative solutions happen,” he says. “Grant guidelines seem like a complicated landscape to navigate but if you talk to the granting officers, they will come up with solutions that make sense. They want to see you and your students be successful … They will work with you to make this as easy as possible for everyone involved.”

Of course, start with making sure you know the policies of your university. “My advice is to follow the standard procedures at your old institution, because you don’t want to create a situation where both sides are unhappy,” says Dong. “Fortunately for me, my past chair was very supportive, and everything went very well.”

It helps if you give your department head a heads-up as soon as possible about your intended move. “I appreciate when people who are leaving their team come to me as early as possible so we can talk about it,” says Connolly. “Go talk to your boss and say you are serious about this … You will find your boss will work with you on this.”

Another key tip: Don’t be greedy. “It is important to leave some of those collaborations behind and not hold on to all of them … Do what you can to help them when it is time to move on,” says Connolly. “If you can do that graciously, that’s the best way to move forward and not burn any bridges. It’s tough because you have invested in the work and you have ownership in your heart, but in a year or two, you’ll look back on it and realize that the relationships are more important.”

In Connolly’s case, he feels that he didn’t need as many of the projects he ended up taking with him. “If you move out of the U.S. and start something new, it’s really what’s in front of you, not what’s behind,” he says. “Once you set up a new lab with new people, you start new projects. So be willing to let go. Close off studies. Be realistic that in the next six months, you’ll be starting some very new things, so holding on to old samples makes no sense.”

Moving on to move forward

Be flexible, open, communicative, pleasant, focused, gracious, and polite. Expect the unexpected. Expect labs to take time to be completely operational and make contingency plans so that you remain productive during this tenuous period. There may be other professionals you have to collaborate with to move your lab for whom you did not plan. For example, as Dray explains, “You can’t just ship stem cells anywhere you decide to. You have to go through certain ethics committees at universities. You can synchronize with them to help you learn how to pack them, as well as your reagents and viruses … And look into quarantine laws and restricted import before you pack and move internationally.”

With these challenges, complications, and surprises come the pleasure and privilege of traveling to new lands to do science. “If you want to create something new, you have to break out of your comfort zone and try new areas,” says Connolly. “Moving internationally will allow you to do that.”

Melike Lakadamyali’s experience was part of a “back-and-forth negotiation” with both institutions.

Alaina G. Levine is a STEM careers consultant, a professional speaker, and the author of Networking for Nerds (Wiley, 2015).
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Application deadline: October 15, 2019  |  Apply at: https://facultysearch.ski.edu
Faculty Positions in the Department of Physiology

The Department of Physiology at the Perelman School of Medicine at the University of Pennsylvania seeks highly qualified candidates for faculty positions in the tenure track at the Assistant and Associate Professor ranks. Applicants must have a Ph.D. and/or M.D. degree. Teaching responsibilities include graduate and medical student instruction and training graduate students and postdoctoral fellows. Research responsibilities include developing a successful extramurally-supported research program. We seek investigators with evidence of scholarship and publications plus demonstrated excellence in research with programs grounded in fundamental mechanistic investigation that leverage molecular, biophysical, structural or cell-biological insights to inform physiological functions, particularly in novel, undeveloped, or interdisciplinary areas. Researchers who develop and use advanced biochemical, chemical-biological, cell-biological, computational or physiological techniques are encouraged to apply.

**Assistant Professor:** Applicants in the early stage of career development are encouraged to apply. Apply online: apply.interfolio.com/67956

**Associate Professor:** Applicants are expected to have funding and an internationally recognized reputation of innovative research excellence and productivity, including high impact publications. Apply online: apply.interfolio.com/67958

The Perelman School of Medicine, one of the top ranked medical schools in the country for NIH funding, is a highly collaborative environment with state-of-the-art core facilities (https://www.med.upenn.edu/coreis/), including the Beckman Center for Cryo-electron Microscopy. There are opportunities for appointments in numerous thematic institutes and centers (https://www.med.upenn.edu/psom/centers.html/), including the Cardiovascular Institute, Mahoney Institute for Neurosciences, Pennsylvania Muscle Institute, and Abramson Cancer Center. The School of Medicine is integrated within the campus of the University of Pennsylvania, a world-class institution with an easily walkable campus located near central Philadelphia. 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.

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The University of Missouri (MU) invites applications for two tenure-track faculty positions in the Department of Biochemistry. Both positions will be in areas of fundamental biochemistry, one relevant to agriculture, likely plant biochemistry, and one with potential biomedical impact. Candidates should have an earned doctorate and the ability to lead a federally-funded research group in an area that would complement existing strengths: medical biochemistry, plant biochemistry and biophysical, structural and mechanistic biochemistry. Applications at the Assistant Professor level are encouraged, but candidates at a higher level will be considered if there is evidence of continuous extramural research funding, high impact publications and excellence in teaching and service expected of tenured faculty at a research-intensive university.

The department has an undergraduate teaching mission in the College of Agriculture and Natural Resources (CAFNR), provides pre-clinical training in the School of Medicine, and supports graduate education in both units. As a department in a Land Grant University that bridges two colleges, the Department of Biochemistry is home to fundamental molecular science and to its translation into both agricultural and biomedical applications. Example areas of interest for this and future searches include: plant biochemistry, gene/genome regulation, gene delivery and transgenic technology, synthetic biology, medicinal biochemistry, structural biology and imaging, including development of new markers and reporters. We are particularly interested in faculty who would enjoy research at collaborative interfaces, within and outside the department. For additional information, visit http://biochem.missouri.edu.

**Application:** To apply, visit https://biochem.missouri.edu, click on Open Positions and submit: (1) a cover letter; (2) curriculum vitae; (3) a one-page summary of research accomplishments with two pages of future plans; (4) a narrative of teaching philosophy and diversity inclusion; and (5) names and contact information of four references. Review of applications will begin on **November 15, 2019** and will continue until the position is filled. For information, contact Dr. Scott Peck, Chair of the Search Committee (pecks@missouri.edu).

The University of Missouri is an Equal Access, Equal Opportunity, and Affirmative Action Employer. We are fully committed to achieving the goal of a diverse and inclusive academic community of faculty, staff and students. We seek individuals who are committed to this goal and our core campus values of respect, responsibility, discovery and excellence.

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Faculty Positions - Department of Biology

Cell/Molecular Biology: Applications are invited from outstanding scholars engaged in addressing fundamental questions in any area of cell and molecular biology including but not limited to plant and animal systems. Applications will be considered at the Assistant/Associate/Full Professor ranks. **Interested applicants must apply online at** https://umiami.wd1.myworkdayjobs.com/en-US/UMFaculty/job/Coral-Gables-FL/CA-BIL-Open-Rank---Associate-Professor---Cell-and-Molecular-Biology-R100034252. Applications should be directed to the Search Chair at cmbfacssearch@miami.edu.

Animal Behavior: Applications are invited from outstanding scholars using modern methods in ecology, evolution, genomics, neuroscience, and/or endocrinology to address fundamental questions in any area of animal behavior ranging from laboratory to field studies. Applications will be considered at the Assistant/Associate Professor ranks. **Interested applicants must apply online at** https://umiami.wd1.myworkdayjobs.com/en-US/UMFaculty/job/Coral-Gables-FL/CA-BIL-Open-Rank---Assistant-Professor---Animal-Behavior-Biology-R100034261. Inquiries should be directed to the Search Chair at afacultysearch@bio.miami.edu.

We welcome applications from candidates who would enhance and complement our existing departmental strengths. To be eligible for these tenure-track appointments, candidates must hold a Ph.D., have postdoctoral experience and a strong record of research accomplishments. Successful candidates will be expected to develop vigorous, externally funded research programs, to teach at both the undergraduate and graduate levels and be committed to mentoring that supports diversity and inclusion. Applicants should submit a cover letter describing interactions they foresee with existing research programs in the Department of Biology or other units at the University of Miami, a curriculum vitae, two representative publications, a research statement, a teaching statement, a statement on commitment to diversity and the names of three referees online using the links above. More information about the Department and University can be found at https://www.biology.as.miami.edu. To receive full attention application materials must be received by **October 15, 2019**.
The Cecil H. and Ida Green Center for Reproductive Biology Sciences, an endowed basic science research center focusing on gene regulation, is recruiting to fill newly created Tenure-track Assistant Professor Positions. 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 cover diverse areas of biology, including reproduction, development, endocrinology, stem cells, cancer, metabolism, inflammation, immunity, and neurobiology.

**Position 1: Signaling, chromatin, and gene regulation** – a broad search for candidates using a wide array of experimental approaches to address fundamental questions in nuclear signaling, chromatin, transcription, epigenetics, and RNA biology.

**Position 2: Genomic, proteomic, bioinformatic, computational, and evolutionary approaches to understanding gene regulation** – a more focused search in research areas using state-of-the-art methodologies that will connect to broader “omic” initiatives on campus.

The Green Center promotes and supports cutting-edge, integrative, and collaborative basic research, as well as strong connections between basic and clinical research. Successful candidates will be housed in a newly renovated state-of-the-art research facility with a generous start-up package and are expected to establish scientifically rigorous and externally funded research programs and participate in center and university teaching and training programs. To learn more about the Green Center, visit: [https://www.utsouthwestern.edu/education/medical-school/departments/green-center/](https://www.utsouthwestern.edu/education/medical-school/departments/green-center/).

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](mailto:GreenCenter@UTSouthwestern.edu). Please indicate one of the two research areas listed above (Gene Regulation or 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. Collection and review of applications will commence October 1, 2019 and will continue during the 2019–2020 academic year until the position is filled, but applicants are encouraged to submit their materials as soon as possible.

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

## Caltech Division of Chemistry & Chemical Engineering

### Assistant Professor of Chemistry, Biochemistry, or Chemical Engineering

The Division of Chemistry and Chemical Engineering at the California Institute of Technology, comprising faculty who specialize in Chemistry, Biochemistry, and Chemical Engineering, invites applications in each of these areas, broadly defined, for a tenure-track faculty position at the assistant professor level. Candidates with strong commitments to research and teaching excellence are encouraged to apply. The term of the initial untenured appointment is four years, and the appointment is contingent upon completion of all requirements for a Ph.D. in chemistry, biochemistry, chemical engineering, or in a related field. Exceptionally well-qualified applicants at the tenured level may also be considered.

Interested candidates should apply at [https://applications.caltech.edu/job/chemistry](https://applications.caltech.edu/job/chemistry). Applications should include a curriculum vita, publication list, teaching statement, a description of proposed research, and three letters of recommendation. Applications should be received by **November 15, 2019** to be considered.

### Assistant Professor of Chemical Engineering

The Division of Chemistry and Chemical Engineering at the California Institute of Technology invites applications for a tenure-track faculty position at the assistant professor level in the area of chemical engineering. Candidates with strong commitments to research and teaching excellence are encouraged to apply. The term of the initial appointment is four years and is contingent upon completion of all requirements for a Ph.D. in chemical engineering or in a related field.

Interested candidates should apply at [https://applications.caltech.edu/job/chemeng](https://applications.caltech.edu/job/chemeng). Applications should include a curriculum vita, publication list, teaching statement, a description of proposed research, and three letters of recommendation. Applications should be received by **December 15, 2019**.

### Faculty Position in Chemical Biology

The Division of Chemistry and Chemical Engineering at the California Institute of Technology invites applications for a tenure-track faculty position at the assistant professor level in the area of chemical biology. Candidates with strong commitments to research and teaching excellence are encouraged to apply. The term of the initial appointment is four years and is contingent upon completion of all requirements for a Ph.D. in chemistry or in a related field.

Interested candidates should apply at [https://applications.caltech.edu/job/chembio](https://applications.caltech.edu/job/chembio). Applications should include a curriculum vita, publication list, teaching statement, a description of proposed research, and three letters of recommendation. Applications should be received by **November 15th, 2019**.

We are an Equal Opportunity Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

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Department of Earth, Atmospheric and Planetary Sciences

Assistant Professorship in Climate-Related Sciences

The MIT Department of Earth, Atmospheric and Planetary Sciences includes a vibrant and interdisciplinary group in climate science that we seek to expand. We are especially interested in physical oceanography, atmospheric chemistry, and atmospheric dynamics, but we encourage applications from outstanding candidates in all sub disciplines of climate science. We seek candidates who use any approach or combination of approaches, including observation, theory, modeling, and experimentation. Candidates should have the potential for innovation and leadership in research and a commitment to teaching at the undergraduate and graduate levels.

Applicants must hold a Ph.D. in earth sciences or related field by the start of employment. Our intent is to hire at the assistant professor level, but more senior appointments may also be considered. Applications from women and underrepresented minorities are strongly encouraged. A complete application must include a cover letter, curriculum vitae, one- to two-page descriptions each of research and teaching plans, and three letters of recommendation.

Please explicitly commit to our department's code of conduct https://leapsweb.mit.edu/about/code-conduct in submitted cover letters.

Applications are being accepted at Academic Jobs Online: https://academicjobsonline.org/ajo/jobs/14201

To receive full consideration, complete applications must be received by November 1, 2019. Complete applications will be considered starting September 15 until November 1, 2019.

Search Contact: Ms. Karen Fosher, HR Administrator, EAPS, 54-924 Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139-4307, email: kfosher@mit.edu

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Penn University of Pennsylvania

Assistant Professor in Theoretical Quantum Condensed Matter Physics

The Department of Physics and Astronomy at the University of Pennsylvania seeks applications from outstanding candidates for an appointment as Assistant Professor in theoretical quantum condensed matter physics. The successful candidate will develop an innovative research program on quantum phenomena in condensed matter that attracts the participation of students and creates collaborative links with other Penn scientists and engineers. The candidate should have a Ph.D. in physics at the time of appointment, and will be expected to teach, to attract external research funding and to contribute actively to the Laboratory for Research on the Structure of Matter.

Applicants must apply online at http://apply.interfolio.com/66353. Required application materials include: curriculum vitae with a list of publications, a research statement, a teaching statement, and three letters of recommendation. Review of applications will begin no later than November 1, 2019 and will continue until the position is filled. It is anticipated that the position will start July 1, 2020. The Department of Physics and Astronomy is strongly committed to Penn’s Action Plan for Faculty Diversity and Excellence and to creating a more diverse faculty (for more information see: http://www.upenn.edu/almanac/volumes/s58/n02/diversityplan.html).

The University of Pennsylvania is an Equal Opportunity Employer. Minorities/Women/Individuals with disabilities/Protected Veterans are encouraged to apply.

Northwestern Medicine

Feinberg School of Medicine

Faculty Position in Immunology

Department of Microbiology-Immunology

The Department of Microbiology-Immunology, Northwestern University Feinberg School of Medicine, invites applications for a tenure-track position at the Assistant, Associate or Full Professor level within the broad field of immunology. ALL areas of immunology are of interest. Applicants in the fields of mucosal immunity, autoimmunity, cancer immunology, transplantation, and infectious disease are encouraged to apply.

Qualified candidates are expected to have a Ph.D., M.D., or equivalent degree as well as postdoctoral training. The successful candidate will be expected to establish and maintain a vigorous, extramurally funded research program and to participate in our strong graduate and medical student training programs. All applicants should have substantial peer-reviewed publications that demonstrate productivity and the ability to perform cutting-edge research. Candidates for an Assistant Professor position should have current or pending external funding, which could include an NIH K level award or equivalent. Candidates at the Associate Professor or Full Professor level should have substantial research productivity, current grant support and academic service. The primary criteria for selection will be excellence and creativity in research and scholarship. We offer a highly interactive collegial research environment with state-of-the-art research facilities.

The start date is negotiable and the position will remain open until filled. Please read ALL instructions and make preparations before proceeding to the application page:

• Applications will only be accepted via online submission (see link below).
• Please prepare all documents in advance as Adobe PDF files, and please be sure all information is entered correctly and accurately (especially names and email addresses), as there will be no opportunity for online revision after your application has been submitted.
• All required fields in the application form are marked with an asterisk and must be filled before clicking the “Submit” button.
• Be aware that incomplete applications cannot be saved.

Applications accepted here: https://facultyrecruiting.northwestern.edu/apply/MTc1

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

University of Rochester

The Department of Chemistry invites applications for tenure track faculty positions in the areas of Inorganic Chemistry and Experimental Physical Chemistry, broadly defined. Applications at the Assistant, Associate, and Full Professor levels will be considered, for positions starting July 2020 or later. Candidates are expected to establish an outstanding program of original research and be effective teachers at the graduate and undergraduate levels.

Application materials should be submitted online at http://www.rochester.edu/faculty-recruiting/positions. Questions may be sent to facrec@chem.rochester.edu. Review of completed applications will begin on October 1, 2019.

The University of Rochester has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education. The University is an Equal Opportunity Employer: EOE Minorities/Females/Protected Veterans/Disabled.
Faculty position in Plant Ecology

The Department of Ecology and Evolutionary Biology (EEB) at UCLA announces a faculty search for an Assistant Professor (tenure-track position) or Associate Professor (tenure position) in terrestrial plant ecology, defined broadly, including all subfields and scales of study. The successful candidate will be expected to develop an externally funded research program and teach at both the undergraduate and graduate levels. EEB is a vibrant and expanding department with strengths in ecology, plant biology, evolutionary and conservation genomics, field biology, quantitative biology, and behavior. The department is part of a dynamic interdepartmental research community in computational biology, bioinformatics, genomics, and conservation biology across the greater UCLA campus. The successful candidate would be a part of this rich network, with many opportunities to collaborate between disciplines and departments.

Necessary qualifications include a PhD degree in a relevant field at the time of hire and strong research experience.

Please direct inquiries to the Search Committee (plantecologistsearch@ceb.ucla.edu). Submit application packages online through https://recruit.apo.ucla.edu/JPF04799 and include the following: (1) cover letter; (2) curriculum vitae; (3) statement of research interests; (4) statement of teaching expertise; (5) statement of formal and informal activities to promote diversity and inclusion; and (6) names of three referees. All items should be distinct documents. Individuals with history and commitment to mentoring students from under-represented groups in the sciences are encouraged to apply. The University of California seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the people of California, to maintain the excellence of the University, and to offer our students richly varied disciplines, perspectives and ways of knowing and learning. Review of applications will begin on October 15, 2019, and continue until position is filled.

The Department of Ecology and Evolutionary Biology has 29 faculty, a large graduate program, over 2000 undergraduates across three majors (Biology, Ecology, Behavior, and Evolution; Marine Biology), and two minors (Conservation Biology and Evolutionary Medicine). The department has close ties with the Institute of the Environment and Sustainability, and departments across the College, David Geffen School of Medicine, and the School of Public Health. EEB is associated with the UCLA La Kretz Center for California Conservation Sciences, UCLA Stunt Ranch UC Reserve, the Mildred E. Mathias Botanical Garden, the Donald E. Dickey Collection of Birds and Mammals, the Center for Education and Innovation and Learning in the Sciences, and the Institute for Quantitative and Computational Biosciences.

EEB is administered through the Division of Life Sciences (www.lifesciences.ucla.edu), which includes over 200 faculty, 8000 undergraduates, 500 graduate students, 12 undergraduate majors, and more than 12 PhD programs. The UCLA College through its four academic divisions—Humanities, Life Sciences, Physical Sciences, and Social Sciences—is the academic heart of UCLA, which is California’s largest university with an enrollment of nearly 43,000 undergraduate and graduate students.

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 & Affirmative Action Policy. (http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct)

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Faculty Hire in Marine Environmental Science

Faculty Position in Marine Environmental Science – The University of Texas at Austin invites applications for a faculty position in the Department of Marine Science. We seek an accomplished marine biologist or marine chemist that uses experimental approaches to investigate regional and/or global environmental processes. This faculty position is open at all ranks, including Assistant Professor. The Associate Professor or Professor ranks will be eligible for the Mary Anderson Abell and Joseph Miles Abell, Jr., M.D. Endowed Chair in Marine Science, as a Chair Fellow or Holder, respectively. Candidates are sought with areas of interest in any discipline in environmental biology and chemistry including, but not limited to, chemical ecology, toxicology, physiology and biochemistry. The successful applicant will be expected to establish a nationally recognized research program at the University of Texas, mentor graduate students and postdoctoral scientists, and teach at the graduate and undergraduate levels.

The positions are located at the University of Texas Marine Science Institute in Port Aransas, Texas. The institute offers close proximity to estuarine, inshore and offshore habitats of the Gulf of Mexico, as well as excellent shoreside facilities for experimental work. Our infrastructure includes state-of-the-art research laboratories, offices and meeting spaces; the Estuarine Research Center housing the Mission-Aransas National Estuarine Research Reserve in partnership with NOAA, a Marine Science Library, and full-service core analytical facilities. New facility renovations completed or underway include the Fisheries and Mariculture Laboratory Complex, marina, research pier, public Marine Science Education Center and the new Center for Coastal Ocean Science that will house marine environmental science research in chemical ecology, toxicology, physiology and biochemistry. Successful applicants will have the freedom to follow independent and collaborative research, and will be provided with 9 months of state-funded salary support for research and teaching.

The University of Texas Marine Science Institute is interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service. UT Austin is committed to addressing the family needs of faculty, including dual-career couples and single parents. Applications should include a letter of interest, curriculum vitae, teaching statement, a research statement, a statement of contributions to diversity, and three reference letters sent electronically to Interfolio (https://home.interfolio.com/15714). Review of applications will begin January 2020.

The University of Texas at Austin is an Equal Opportunity Employer. Background check conducted on applicant selected.
Koch Institute for Integrative Cancer Research and the Department of Biology

Junior or Senior Faculty Appointment

The Koch Institute for Integrative Cancer Research (https://ki.mit.edu), together with the Department of Biology (https://biology.mit.edu) at the Massachusetts Institute of Technology (Cambridge, Massachusetts) invites applications for a junior or senior faculty appointment. Appointments are expected to be in the MIT Department of Biology, but other departments in the MIT School of Science or School of Engineering will be considered, if appropriate. Applicants are expected to develop and lead a vibrant, independent research program and to share our commitment to undergraduate and graduate education by teaching courses and supervising graduate and undergraduate research. We are particularly interested in candidates who will help promote and provide diversity.

The Koch Institute is an NCI-designated Cancer Center, featuring research across a wide range of areas in basic cancer research and cancer-oriented engineering. This is an open search with regard to field of study and specific research focus, but we encourage applications related to basic biological mechanisms relevant to cancer as well as computational and machine learning approaches to cancer research. The successful candidate will have laboratory space in the Koch Institute.

Applicants should include curriculum vitae, brief summaries of past accomplishments and a description of future research plans. Letters of recommendation should be sent separately from three individuals able to evaluate the candidate’s accomplishments and future potential for both research and teaching.

Candidates must hold a PhD in the biological, chemical, physical, mathematical, or computational sciences, or in an engineering field; or an MD; or equivalent terminal degree.

To apply, submit application materials to https://academicjobsonline.org/ajo/jobs/14280

Completed applications will be reviewed starting October 1, 2019.

Note that there are two other searches to fill faculty positions in the Biology Department: https://biology.mit.edu/about/employment-opportunities/

Applicants may apply to any or all of the searches.

MIT is an Equal Opportunity/Affirmative Action employer

http://web.mit.edu

Baylor College of Medicine

Faculty Position in Stem Cells and Regenerative Medicine

We invite applications for a faculty position at the Assistant or Associate Professor levels in the STaR Center at Baylor College of Medicine.

We are seeking motivated investigators in all areas of stem cells and regenerative medicine including embryonic and adult stem cell biology, organoids, developmental biology, cancer stem cells (hematologic, glioma, and others).

BCM is the premier medical school of Texas and has the top-ranked Genetics and Cell Biology Departments in the U.S. based on NIH funding. BCM has internationally recognized strengths in structural biology and biochemistry, a long-standing NIH human genome sequencing center, cutting edge Advanced Technology Cores, exceptional Ph.D. graduate programs, a commitment to technology transfer for faculty discoveries, and a rich history of translating basic science into clinical implementation.

Applications received by October 15, 2019 will receive priority.

Please send CV and a two-page summary of research interests to: STaR@bcm.edu

http://www.bcm.edu/star/

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

UC DAVIS

ACADEMIC FACULTY POSITION ANNOUNCEMENT

Academic Fungal Biologist / Pathogenesis
Assistant or Associate Professor
University of California, Davis, School of Medicine
Department of Medical Microbiology and Immunology

The University of California, Davis, School of Medicine Department of Medical Microbiology and Immunology is recruiting for a full-time 100% academic position as an Assistant or Associate Professor (In Residence at 50% and 50% regular tenure track). Rank will be determined based on qualifications and experience. Candidates must have active research programs in Fungal Biology and Fungal Pathogens causing human infectious diseases such as Valley Fever (Coccidioidomycosis). Candidates are expected to have or to establish and maintain a strong extramurally funded research program and to actively participate in the academic and service missions of the University.

Candidates must possess a Ph.D. or MD degree and at least two years of post-doctoral experience, a research publication and grant funding record in fungal biology and pathogen, the ability to contribute to the education of medical students, undergraduate and graduate students. The criteria for the consideration of Applicants are: (1) a record of excellence in building competitive research program and (2) an ability to effectively communicate as a teacher. The successful candidate will join the UC Davis faculty with highly productive and collaborative research programs in infectious diseases, host-pathogen interactions, mucosal immunology and microbiology.

For applicants at the associate professor level, a strong track record of teaching at the graduate level, extramural funding and published research is required. For applicants at the assistant professor level, a strong record of research publications and potential for obtaining extramural funding are required.

The successful candidate must be able to demonstrate that they are legally authorized to work in the United States. The University will not offer sponsorship for this position.

For full consideration, applications should be received by October 10, 2019; however, the position will remain open until filled through June 30, 2020. Qualified applicants should upload a cover letter, curriculum vitae, statement of research, Statement of Teaching, 3 publications, statement of Diversity, completed Authorization Release Form, and 3-5 letters of recommendation. Please visit the full job description online at https://recruit.ucdavis.edu/JOFP02941 for additional position details and information on how to apply.

UNIVERSITY OF NORTH TEXAS

BIO/SYNTHETIC ORGANIC CHEMISTRY

The Department of Chemistry at the University of North Texas (UNT), Denton, TX, invites applications from outstanding scientists for a tenure-track position in organic chemistry with membership in the BioDiscovery Institute (BDI). An appointment at the Assistant Professor level is expected; however, candidates at higher ranks may also be considered. We are seeking an individual working in the general area of synthetic chemistry of biologically relevant organic compounds. Candidates should have demonstrable expertise in synthetic organic chemistry, and preferably experience with lipids, natural products, or other biomolecules. Interest or experience in combining synthetic studies with biochemical or genetic approaches to deciphering biosynthetic pathways in plants, fungi or microorganisms is a plus.

Applicants should have a Ph.D. in a chemistry or a chemistry-intensive related discipline. For additional information and to apply formally, visit our website at facultyjobs.unt.edu/applicants/Central?quickFind=53709. Screening of applications will begin on November 1st, 2019, and will continue until the position is filled.

UNT is an EOE/ADA/AA.
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.ut southwestern.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/14216. Completed applications will be reviewed starting November 1, 2019. You may email questions to 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.

University of Virginia

TENURED/TENURE-TRACK FACULTY POSITIONS

Department of Molecular Physiology and Biological Physics

(ASSISTANT, ASSOCIATE, FULL PROFESSOR)

The Department has strengths in structural biology, cardiovascular biology, cancer biology, membrane biology, and the biology of infectious diseases. The Department and the affiliated Molecular Electron Microscopy Core provide access to state-of-the-art cryo-EM resources and it is expected that at least one new hire will focus on cryo-electron tomography or cryo-electron microscopy in order to solve important biomedical problems. Other areas of particular interest include chemical biology as applied to cardiovascular, cancer, and other diseases.

To apply, visit https://hr.virginia.edu/job-openings and search Posting Number R0009360

For further information contact
Ms. Kelly Craig, Admin. at kc2tw@ virginia.edu or
Dr. Jochen Zimmer at jz3x@ virginia.edu.

Center for Membrane and Cell Physiology

(ASSISTANT, ASSOCIATE, FULL PROFESSOR)

The Center has strengths in high-resolution live-cell and tissue imaging. Live-cell and super-resolution imaging are undergoing a revolution and UVa seeks to position itself at the forefront of these developments by building a team of creative and highly collaborative scientists developing and employing such methods to solve important biomedical problems. Successful candidates will be resident members of the Center with an appointment in a basic science or clinical department of the UVA School of Medicine. Outstanding opportunities exist to collaborate with structural, computational, cardiovascular, cancer, developmental, cell, and chemical biologists and neuroscientists in a highly interactive research environment at the University of Virginia. The university and school supports state-of-the-art light and electron microscopy cores.

To apply, visit https://hr.virginia.edu/job-openings and search Posting Number R0009364

For further information contact
Ms. Jennifer Nickerson, Admin jen66@ virginia.edu or
Dr. Anne Kenworthy akk7hp@ virginia.edu

Complete a Candidate Profile online, attach a cover letter, curriculum vitae, statement of research interests and contact information for three references. Review of positions will begin on October 1, 2019. The positions will remain open until filled. Tenure status and rank of the positions depend on qualifications. Highly competitive start-up packages will be offered. Successful applicants will have a Ph.D., M.D. or equivalent degree, will be highly creative, and must have demonstrated exceptional scholarly success in their field. Demonstration of sustained grant or equivalent support is required for appointments at a mid-career or senior rank.

The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.

University of Massachusetts Medical School

Faculty Position

The Program in Systems Biology at the University of Massachusetts Medical School invites applications from outstanding candidates for a tenure-track or senior tenured professor position. Rank will be commensurate with ability and experience. The position will be highly competitive with regard to start-up funds, laboratory space and salary.

The candidate will be expected to develop and maintain an innovative, externally funded research program. We are seeking an energetic and collaborative individual who will develop a strong research program to tackle important problems in one of the following areas in systems biology: Network Biology, Single Cell Systems Biology, Genome Biology, Evolution, Variation, Immunology and Neurobiology. Exceptionally strong candidates in other areas will also be considered. Candidates should have a PhD or MD in biomedical research with a minimum of two years post-doctoral research experience that resulted in high-quality peer-reviewed publications.

The Program in Systems Biology is housed in the new Albert Sherman Center that opened early in 2013. The Program has high-performance computing facilities, state-of-the-art laboratory space and equipment and a full-time administrator to support the research activities of its Faculty.

Applicants should submit a cover letter explaining their interest in the Program, a curriculum vitae that includes honors, publications, and a succinct research plan to http://www.academicjobsonline.org (Position ID#14220). Deadline for applications is November 15, 2019. To expedite the review process, applicants should invite three individuals who are familiar with their work and potential for success to upload their recommendation letters at the same web address. Inquiries, but not application materials, may be directed to Professors A.J. Marian Wallhout (marian.wallhout@umassmed.edu) or Job Dekker (job.dekker@umassmed.edu). The position remains open until filled.

UMass Medical School is committed to being an Equal Opportunity and Affirmative Action Employer and recognizes the power of a diverse community. We encourage applications from protected veterans, individuals with disabilities and those with varied experiences, perspectives and backgrounds to consider UMass Medical School as their employer of choice.
**Faculty Positions in the Department of Physiology and the Cardiovascular Institute**

The Department of Physiology and the Cardiovascular Institute (CVI) at the Perelman School of Medicine seek candidates for faculty positions in the tenure track at the Assistant and Associate Professor ranks. Applicants must have a Ph.D. and/or M.D. Teaching responsibilities include graduate and medical student instruction and training graduate students and postdoctoral fellows. Research responsibilities include developing a successful extramurally-supported research program. We seek investigators with research programs in molecular, cellular, or organismal physiology relevant to the cardiovascular system. Areas of interest include mitochondrial biology, cardiovascular metabolism, mechanotransduction, calcium signaling, and regenerative biology; research excellence will be weighed more strongly than specific research interests. Investigators with established research programs grounded in fundamental mechanistic investigation that are positioned to move into early stage translation are encouraged to apply. The Penn CVI provides an outstanding environment for conducting disease-oriented research emphasizing heart failure, vascular disease, and genetic/epigenetic origins of cardiovascular disease. The combined research environments of the Department of Physiology and CVI are bolstered by extensive shared resources, including Super-Resolution Imaging, Muscle Physiology and Mechanics, Small Animal Cardiovascular Phenotyping, and Metabolomics cores.

**Assistant Professor:**
Applicants in the early stage of career development are encouraged to apply. Apply online: [apply.interfolio.com/68042/](http://apply.interfolio.com/68042/)

**Associate Professor:**
Applicants are expected to have funding and an internationally recognized reputation of innovative research excellence and productivity, including high impact publications. Apply online: [apply.interfolio.com/68053/](http://apply.interfolio.com/68053/)

The Perelman School of Medicine, one of the top ranked medical schools in the country for NIH funding, is a highly collaborative environment with additional state-of-the-art core facilities (https://www.med.upenn.edu/cores/), including the Beckman Center for Cryo-electron Microscopy. There are opportunities for appointments in numerous institutes and centers (https://www.med.upenn.edu/pson.centers.html), including the Mahoney Institute for Neurosciences, Pennsylvania Muscle Institute, and Abramson Cancer Center. The School of Medicine is integrated within the campus of the University of Pennsylvania, a world-class institution with an easily walkable campus located near central Philadelphia. 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.*

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**California State University Northridge**

California State University, Northridge invites applications for a tenure track Assistant Professor of Biology in Human Genetics to begin August 2020. Candidates must hold a Ph.D. in Biology or a related field, have postdoctoral experience, and have expertise in human genetic data analysis. We particularly encourage applications from researchers studying medical genetics, population genetics, genome-wide association, genomic anthropology, and related fields. We are particularly interested in research programs that will help channel our graduates into careers in commercial genomics or programs in genetic counseling. We seek an individual who will be able to teach introductory cell and molecular biology, genetics, human genetics, and graduate level courses in bioinformatics, biostatistics, or computational modeling. Applicants should convey how they would involve undergraduate and graduate (M.S.) students in a vigorous research program and how they would provide effective teaching and mentoring to students of diverse backgrounds.

**Application Deadline:** Screening of applications will begin October 15, 2019. Priority will be given to applicants who meet the screening deadline; however, the position will remain open until filled.

**How to Apply:** This institution is using Interfolio’s ByCommittee to conduct this search. Applicants for this position receive a Dossier account and can send application materials free of charge to: [http://apply.interfolio.com/67825](http://apply.interfolio.com/67825)

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**Carnegie Mellon University**

**Department Head Position**

The Carnegie Mellon University (CMU) College of Engineering invites applications for the position of Professor and Head of the Department of Engineering and Public Policy (EPP). The current activities of the department are described at [https://www.cmu.edu/epp/index.html](https://www.cmu.edu/epp/index.html).

An accomplished academic leader is sought to provide strategic vision and outstanding operational management and to oversee world-class research and educational programs. The new Department Head will maintain and strengthen the culture of collaboration and innovation in the department and throughout the university, expand the reputation of the department, lead the department in strategic planning, expand alumni interactions and fundraising, promote diversity within the department and institution, and demonstrate a commitment to high-quality administration and high-quality student experience. We are dedicated to building a culturally diverse research and educational environment and seek applicants who can help us do that.

Individuals with expertise across a wide range of areas including both the engineering and policy domains will be considered. Applicants must have an earned PhD in a field of engineering or science closely related to department activities and have experience in the area of policy. Teaching experience and an internationally recognized record of research are essential. Applicants must be qualified for an appointment at the rank of Professor of Engineering with tenure. Applications will be accepted until November 30, 2019. Review of applications will begin on November 15, 2019 and will continue until the position is filled. The expected start date is August 1, 2020. E-mail inquiries concerning this position may be sent to the Search Committee at EPP-Head-Search@andrew.cmu.edu.

Interested candidates should submit applications electronically at [https://apply.interfolio.com/68252](https://apply.interfolio.com/68252), including a cover letter outlining your leadership experience, your vision for the future of engineering and public policy (U.S. and global), and the characteristics needed for the success of Carnegie Mellon’s Department of Engineering and Public Policy in the future; curriculum vitae; and three statements: statement of research experience and interests, statement of teaching experience and interests, and a diversity statement that outlines how you have contributed to, or plan to contribute to, equity, diversity, and inclusion. The Search Committee will solicit names of references and their contact information only for a subset of applicants after the initial review. These applicants will be notified in advance before letters are requested.

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**The College of William & Mary**

**Assistant Professor in AQUATIC ECOLOGY**

The Department of Biology at William & Mary seeks applications for a tenure-track position at the Assistant Professor level in Aquatic Ecology. We are interested in individuals who will establish strong research, teaching and mentorship programs in aquatic community and/or ecosystem incorporating quantitative biology. The successful candidate is expected to establish and maintain an externally funded research program involving highly motivated undergraduate and Masters degree students. Teaching responsibilities include an upper-level aquatic ecology course with lab and, ideally, courses in introductory or advanced statistics. The expected teaching load is two courses per semester, where a lab section counts toward a course. Applicants must hold a Ph.D. with a focus in aquatic ecology or a related field at the time of the appointment (10 August 2020). Postdoctoral research experience is strongly preferred, and previous experience teaching undergraduate courses will be viewed favorably. For a detailed job description, contact information, and instructions on how to apply, please visit [https://www.wm.edu/as/biology/facultysearch/index.php](https://www.wm.edu/as/biology/facultysearch/index.php).

For full consideration, submit application materials online at [http://jobs.wm.edu/postings/36816](http://jobs.wm.edu/postings/36816) by the review date, 15 October 2019. Information on the degree programs and curriculum in the Department of Biology may be found at [https://www.wm.edu/as/biology/index.php](https://www.wm.edu/as/biology/index.php).

William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching, and service missions of the university. The University is an Equal Opportunity/Affirmative Action Employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities.
Call for Nominations:
Scolnick Prize in Neuroscience

The McGovern Institute for Brain Research is accepting nominations for the 17th annual Edward M. Scolnick Prize in Neuroscience. The $150,000 prize recognizes an outstanding discovery or significant advance in the field of neuroscience. The prize ceremony, which includes a public lecture at MIT, will take place in Spring 2020. A dinner for the recipient and invited guests follows the prize lecture.

Nomination Deadline: December 15, 2019

Nomination procedures:
Candidates for the award must be nominated by individuals affiliated with universities, hospitals, medical schools, or research institutes, with a background in neuroscience. Self-nomination is not permitted. Each nomination should include:
• A biosketch or CV of the nominee.
• A letter of nomination with a summary and analysis of the major contributions of the nominee to the field of neuroscience.
• Up to two representative reprints will be accepted.

Selection Procedure:
• Members of the selection committee and faculty affiliated with MIT are not eligible.
• Announcement of the award recipient will be made in January 2020.
• Recipient must attend all events to be awarded the prize.

Past Scolnick Prize Recipients:

Send nomination packet to:
gwolf@mit.edu

For more information:
mcgovern.mit.edu/scolnick

Professor of Animal Nutrition

→ The Department of Environmental Systems Science (www.usys.ethz.ch) at ETH Zurich invites applications for the above-mentioned position.

→ The new professor will be responsible for developing a leading research and teaching program that focuses on the sustainability and resilience of livestock nutrition systems. The professorship’s main research topics may include: (i) maximizing nutrient utilization efficiency to meet nutritional needs of a growing human population while minimizing the environmental impacts of animal-based food production, (ii) resilient and diverse feeding systems, including the use of novel, human-inedible feedstuff, (iii) the impacts of feedstuff on the composition of rumen/gut microbiomes and on long-term animal health, or (iv) experimental approaches to precision animal nutrition to enable tailored individual feeding.

→ The professorship will be part of the Institute of Agricultural Sciences. It has full access to the well-equipped facilities of the research and teaching center AgroVet-Strickhof, which includes metabolic chambers suitable for animal phenotyping. Furthermore, the Functional Genomics Center Zurich offers state-of-the-art molecular user labs as well as bioinformatic support and service.

→ The successful candidate is expected to teach undergraduate level courses (German or English) and graduate level courses (English) in the Agricultural Sciences study program, covering both basic and advanced animal nutrition science.

→ Please apply online: www.facultyaffairs.ethz.ch

→ Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, the names and contact details of three referees, and a description of the three most important achievements. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 30 November 2019. ETH Zurich is an equal opportunity and family friendly employer, strives to increase the number of women professors, and is responsive to the needs of dual career couples.
We are seeking faculty candidates at all rank and tenure-track or tenure levels. We are particularly interested in candidates with expertise in structural biology, biophysics, or biochemistry. UT Health San Antonio has exceptional strengths in aging, cancer, neurological disorders, infectious diseases, and diabetes, but other areas of biology will also be considered. The Department houses University-supported core facilities in macromolecular structure and interactions [NMR spectroscopy, X-ray crystallography, surface plasmon resonance, calorimetry (ITC, DSC)], mass spectrometry (proteomics and metabolomics), and the Center for Innovative Drug Discovery (high throughput screening and medicinal chemistry). (https://wp.uthscsa.edu/biochemistry/core-facilities/).

UT Health San Antonio comprises of Medical, Graduate, Dental, Nursing and Health Profession schools. It is also home to the Nathan Shock Center for Aging, the NCI-designated Mays Cancer Center, the Greehey Children’s Cancer Research Institute, the Glenn Biggs Institute for Alzheimer’s and Neurodegenerative Diseases, the Center for Neuroscience, and a NIH Clinical Translational Science Award. San Antonio is the seventh largest city in the U.S., with a historical downtown, a vibrant economy, affordable housing, and ample recreational opportunities.

Applicants must have a strong publication record and are expected to secure extramural funding. The position offers a generous startup package, superior scientific sources, and the potential for substantial recruitment funds from the UT STARS Program and the Cancer Prevention and Research Institute of Texas (CPRIT). Successful applicants will join a multidisciplinary team of 20 primary and 10 adjunct/cross appointed faculty in Biochemistry and Structural Biology (https://wp.uthscsa.edu/biochemistry/team-members/faculty/), and will develop a productive research program, serve as a mentor for students and research fellows, and contribute to teaching in our graduate and professional programs. UTHSA is committed to a culturally and gender diverse faculty and has been designated a Hispanic Serving Institution.

Interested candidates should visit http://uthscsa.edu/hr/employment.asp to apply online. Select the Faculty tab and enter job number 19001507 on the Keyword box. Please upload a curriculum vitae, a two-page description of research interests, a list of three to four references and a cover letter addressed to Dr. Philip LoVerde, Chair of the Faculty Search Committee. Review of applications will begin immediately upon receipt and will continue until the position is filled. For any questions in regards to this position, please email: BSBS-Search@uthscsa.edu.

UT Health San Antonio is an Equal Employment Opportunity/Affirmative Action Employer including protected veterans and persons with disabilities. All faculty appointments are designated as security sensitive positions.
UNIVERSITY of WASHINGTON

Associate Professor or Full Professor with Tenure, Faculty Position in Reproductive and Genome Sciences
Seattle, Washington

The Department of Obstetrics & Gynecology, Department of Genome Sciences, and the Institute for Stem Cell and Regenerative Medicine at the University of Washington announce a joint search for a full-time faculty position at the Associate or full Professor Rank with tenure. We seek an individual (PhD and/or MD or foreign equivalent) with training and scholarly achievements in genomics and reproductive science who has a strong commitment to research and education. We welcome applications from scholar-educators who use genetic, genomic or proteomic techniques and stem cells to investigate basic mechanisms of reproductive physiology and disease with the overarching goal of fostering women’s reproductive health. Academic rank and salary are competitive and commensurate with experience and qualifications.

In addition to directing an innovative research program in reproductive science, qualified individuals must have excellent teaching credentials, be committed to modern teaching methods and be willing to participate in medical and graduate educational programs (~ 20% time). Laboratory and office space will be provided by the Research Division of the Department of Obstetrics & Gynecology, which occupies approximately 6,000 sq. ft. of laboratory space at the South Lake Union Campus of the University of Washington, and the Institute for Stem Cell and Regenerative Medicine, which occupies several floors of laboratory space at the Campus. The SLU Campus is a dynamic research environment and offers outstanding opportunities for interdisciplinary collaborations (https://www.uwmedicine.org/research/sites-facilities/slu/).

To apply, please submit the following documents electronically through Interfolio at http://apply.interfolio.com/60979. 1. Curriculum Vitae (CV). 2. Description of research accomplishments and plans: Please describe the significance of your past research accomplishments, the potential impact of your future research, your plans for grant applications, and how you would contribute to and benefit from intellectual engagement with the faculty in the participating departments (i.e., Obstetrics & Gynecology, Genome Sciences and ISCRM) and the University of Washington as a community (3 pages or less). 3. Description of teaching experience, interests and reflections on pedagogical philosophy. Describe your teaching experience (medical and graduate education), educational philosophy, and areas of expertise in teaching about reproduction and medicine (1 page or less). 4. Description of commitment to diversity. Describe how you envision fostering the values of diversity and inclusiveness to enhance the opportunities for all students, faculty and staff (1 page or less). 5. References. Please have 3 references submit letters of recommendation through the Interfolio link below. 6. Reprint (pdf) of 2 selected publications.

Please send inquiries by email to Ms. Bowden at bowdecc@uw.edu.

Review of applications will begin on September 15, 2019 and continue until the position is filled. The top candidates will be invited to the University of Washington to give a seminar and meet faculty members of the participating institutions.

University of Washington is an Affirmative Action and Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

Commitment to Diversity
The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (http://www.washington.edu/diversity/diversity-blueprint/). Additionally, the University’s Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member’s academic profile and responsibilities (https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432).

UT Southwestern Medical Center

FACULTY POSITION
BACTERIAL PATHOGENESIS

The Department of Microbiology at UT Southwestern Medical Center is seeking a new faculty member in bacterial pathogenesis at the Assistant Professor (tenure track) level. Appointment rank will be commensurate with academic accomplishments and experience. The appointee will be expected to develop a front-rank, competitive, independent research program on a medically relevant bacterial pathogen(s) and/or on concepts relevant to the human microbiome. An important academic responsibility also will be the instruction and mentoring of graduate students. An attractive start-up package, including a competitive salary and generous laboratory space in a modern building, is available to conduct research within a highly dynamic environment of a leading medical microbiology department (https://www.utsouthwestern.edu/education/medical-school/departments/microbiology). Candidates will be considered for our 2M Endowed Scholars (start-up) Program (http://www.utsouthwestern.edu/education/programs/nondegree-programs/other-programs/endowed-scholars/index.html).

Candidates should have a Ph.D. and/or M.D. degree with at least 3-4 years of postdoctoral experience and an exceptional publication record. Please send a cover letter, C.V., contact information for three letters of recommendation, and a brief summary of future research to: BacterialPathogenesisSearchCommittee@utsouthwestern.edu.

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

Rutgers School of Arts and Sciences

Faculty Positions in Chemistry and Chemical Biology

The Department of Chemistry and Chemical Biology (CCB) at Rutgers, The State University of New Jersey, is seeking faculty candidates for two tenured/tenure-track appointments, at the assistant or associate level, on our New Brunswick/Piscataway campus. While our searches focus primarily on the assistant professor level, applications at all levels will be considered. Successful candidates and their research groups will: be housed in our new 145,000 sf, state-of-the-art chemistry building; have access to rich experimental and computational resources on campus; and engage with our world-class research faculty.

We especially welcome applicants with interests in: (1) quantum materials, particularly those related to quantum computing; or (2) biophysical chemistry with a focus on mass spectrometry, biomolecular design and/or spectroscopic approaches to biological systems.

CCB faculty are expected to demonstrate an ability to build and sustain a world-class research program. They must have a Ph.D. in chemistry or a related field, a significant record of scholarship in fundamental research, and are expected to contribute to CCB’s teaching and service missions.

How to Apply: Applicants should submit the following to http://jobs.rutgers.edu/postings/99496. Please include: (1) cover letter and detailed CV; (2) four- to six-page research development statement; (3) one-page teaching statement; and (4) contact information for three professional references. Review of applications will begin on October 15, 2019 and continue until positions are filled. Questions about this search should be directed to chemchair@chem.rutgers.edu.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability, protected veteran status or any other classification protected by law. All job offers are contingent upon successful pre-employment background screening.
Tenure Track Faculty Position in Evolutionary Biology

The Department of Biology at Indiana University Bloomington (IB) invites applications for an Assistant Professor, tenure-track, in the area of Evolutionary Biology to begin August 2020. The Department of Biology is committed to recruiting and retaining diverse faculty. We especially welcome applicants who use genetic approaches to understanding evolution, including population genetics, phylogenetics, ecological genetics, and quantitative genetics.

Applicants must hold a Ph.D. and have postdoctoral experience in relevant fields, with a strong record of research accomplishments. Successful candidates will be expected to develop a vigorous externally funded research program, and to participate in teaching at the undergraduate and graduate levels. Candidates who have demonstrated a commitment to working with women and underrepresented minority students through teaching, mentoring, or administration are especially encouraged to apply. The College of Arts and Sciences is committed to building and supporting a diverse, inclusive, and equitable community of students and scholars.

To apply: Submit a cover letter, CV, research statement (past, present, and future), a teaching statement, and names and contact information for three or more references by October 15, 2019 via http://indiana.peopleadmin.com/postings/8425. Please address inquiries concerning the search to Jennifer Tarter at 812-856-3984 or jenjoness@indiana.edu.

The Evolution, Ecology, and Behavior graduate program at Indiana University is top-ranked based on the most recent National Research Council survey: https://biology.indiana.edu/news-events/newsletters/2011-newsletter/eeb-top-rankings.html. For information about the Department of Biology and full links to the campus and the Bloomington community, see: http://www.bio.indiana.edu.

Indiana University is an Equal Employment and Affirmative Action Employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, gender identity or expression, genetic information, marital status, national origin, race, religion, sex, sexual orientation, veteran status, or protected veteran status.

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Facility Positions, Vollum Institute
Oregon Health & Science University
Portland, Oregon

The Vollum Institute (www.ohsu.edu/vollum) is undergoing an exciting phase of growth and announces multiple faculty openings for biomedical scientists. We are particularly interested in applicants whose research focuses on neuroscience-relevant topics such as molecular and cellular neuroscience, molecular genetics, circuits and systems in model organisms, structural biology, and glial biology to expand on our current research strengths.

Vollum appointments are full-time research positions within the Vollum Institute at OHSU (www.ohsu.edu) in Portland, Oregon. Ample opportunities are available for collaboration with basic science and clinical departments within the School of Medicine and additional research units at OHSU such as the Oregon Hearing Research Center (auditory neuroscience) and the Jungers Center (disease-related neuroscience).

Applications will be accepted at junior and mid-career levels. Candidates should demonstrate enthusiasm for mentoring trainees and establishing an equitable and diverse scholarly environment in their teaching and research efforts. We offer highly attractive start-up packages and the opportunity to work in a close-knit and engaging intellectual setting ideal for innovation and discovery.

Candidates with a Ph.D. and/or M.D. and at least several years of postdoctoral experience should apply by submitting their curriculum vitae, a description of research plans and goals, and three letters of reference to https://academicjobsonline.org/ajo/jobs/14391. Applications must be received by October 15, 2019.

For questions contact Marc Freeman, Search Chair, at volljob@ohsu.edu

OHSU is an equal opportunity/affirmative action employer committed to maintaining diversity in its faculty and addressing faculty family issues including dual career couples and single parents.

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Boston College
Chemistry Department
TWO OPEN FACULTY POSITIONS

The Chemistry Department at Boston College invites applications for two tenure-track positions to be effective in the fall of 2020. Applicants will be evaluated based on their potential to establish a prominent and well-funded research program and to excel in teaching at the graduate and undergraduate levels. Successful applicants will join a department of approximately 120 doctoral students, 30 postdoctoral fellows, 200 undergraduate majors, and an internationally recognized faculty.

The two available positions are: (1) Assistant Professor in the area of Chemical Biology with research interests at the intersection of chemistry and biology; (2) Open-Rank Tenured/Tenure-track position in the area of Computational Chemistry with a focus on energy and catalysis. A Ph.D. in Chemistry or related areas is expected; postdoctoral experience is desirable but not required. The candidates are expected to have published in top refereed journals and demonstrated the ability to perform outstanding independent research.

Interested applicants must submit the following documents via the online faculty application at:

- http://apply.interfolio.com/66775 for computational chemistry
- http://apply.interfolio.com/65925 for chemical biology

A cover letter, a graphical executive summary of research plans (one page), curriculum vitae, a summary of research plans (eight pages maximum), and a statement of teaching philosophy. Applicants at the Assistant Professor level must include the names of three references in the cover letter and arrange to have three letters of reference submitted via the online faculty application system. All application materials must be submitted electronically on or prior to 15 October 2019.

Boston College is entering a new era in scientific research, with the recent creation of the Schiller Institute for Integrated Science and Society. This $300 million investment into the sciences will include the hiring of more than 20 new faculty and a new 150,000 square foot science center, currently under construction.

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment to formative liberal arts education. We encourage applications from candidates who are committed to fostering a diverse and inclusive academic community.

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Computational Medicine Program

The Computational Medicine Program (http://www.med.unc.edu/compmed/) and the College of Arts and Sciences at the University of North Carolina at Chapel Hill (UNC-CH) invites applicants for two tenure-track faculty positions. Appointments are expected to be made at the level of assistant professor, but exceptionally well qualified candidates of higher rank will also be considered. The Computational Medicine Program is a newly established research initiative that seeks to apply modern computational approaches, including mathematical and statistical modeling, machine learning and network analysis, to address problems relevant to human health and disease. While the specific area(s) of study are flexible, candidates are expected to have interest and experience in applying methods from statistics, applied mathematics, and/or computer science to investigate mechanisms of human diseases, with the goal of impacting diagnosis and treatment. Each recruit will maintain a position and research space within the Computational Medicine Program at the UNC School of Medicine and also hold a full-time faculty appointment within the College of Arts and Sciences in one of the following departments: Computer Science (https://cs.unc.edu/), Statistics and Operations Research (https://stat-or.unc.edu/), or Mathematics (https://math.unc.edu/).

The successful candidate will be expected to direct an independent research program supported by extramural funding and to participate in team science projects initiated through the Computational Medicine Program. The successful candidate will also participate in student mentoring and teaching at the undergraduate and graduate level through their home department. An excellent start-up package and access to departmental and institutional facilities will be provided, including access to the exceptional computational resources (https://its.unc.edu/research-computing/) at UNC-CH.

http://unc.peopleadmin.com/postings/167587
The RNA Therapeutics Institute (RTI) at the University of Massachusetts Medical School invites applications for a tenure-track faculty position. Successful candidates will conduct innovative research to understand normal physiology and development, probe disease mechanisms, or develop novel diagnostics or therapies. Candidates need not necessarily conduct research directly focused on RNA biology or development of RNA therapeutics, but should indicate how their research will synergize with ongoing research within the RTI and the greater UMass Medical School community.

Research areas of interest include, but are not limited to: (1) genetics, biochemistry, and biophysics in model and non-model organisms, (2) human genetics and pathophysiology, (3) structural biology, (4) chemical biology, and (4) use of nucleic acids for diagnosis or therapy. Physician scientists, synthetic chemists, materials scientists, computational researchers, bioengineers, geneticists, cell and molecular biologists, biochemists, and biophysicists are all encouraged to apply. Also desired are scientists with significant industrial experience who wish to return to academia.

The RTI is housed in a state-of-the-art research building, and is central to a campus-wide interdisciplinary initiative in RNA therapeutics and gene therapy designed to facilitate collaboration among basic scientists, preclinical investigators, and clinicians. As a recipient of a Clinical and Translational Science Award (CTSA) from the NIH, UMass Medical School seeks to build an environment in which basic, applied, and clinical researchers collaborate to inform our understanding of human disease and accelerate development of novel diagnostics and therapies.

Applicants should submit a cover letter, curriculum vitae, one-page description of your current research, two-page description of future research plans, and contact information for three references to https://academicjobsonline.org/ajo/jobs/14272. Do not include citations or other potentially self-identifying information in the research description or future plans. Applications will be reviewed expeditiously, with interviews commencing in January. Inquiries (but not application materials) may be directed to Tiffany Gardner at Tiffany.Gardner@umassmed.edu. Applications at the Assistant, Associate, and Full Professor levels will be considered. The position will remain open until filled.

As an Equal Opportunity and Affirmative Action Employer, UMMS recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives and backgrounds.

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**TENURE TRACK FACULTY POSITIONS**

**Physiology**

With the rapid revitalization of Detroit, Wayne State University (WSU) is undergoing significant growth in its research enterprise. The Department of Physiology at WSU School of Medicine (SOM) (http://physiology.med.wayne.edu) invites applications for two tenure-track Assistant/Associate Professor positions. We seek candidates that employ molecular, cellular or systems approaches to explore research interests in cardiovascular, metabolic, respiratory and other areas of physiology, pathophysiology and biophysics. WSU SOM is a state-of-the-art research environment, rated in the top third of all US Research Institutions by the Carnegie Foundation. The Department of Physiology, has one of the most active research programs among the basic science departments at WSU-SOM and is presently ranked #35 out of ~120 Departments of Physiology in the USA. Start-up package and salary are highly competitive.

Candidates should hold a Ph.D., M.D. or equivalent from a relevant area. The selected candidates are expected to establish an extramurally funded active research program and participate in teaching medical and graduate students. Please apply to https://jobs.wayne.edu/applicants/jsp/shared/Welcome_css.jsp, posting 043648, by uploading a curriculum vitae, a detailed future research plan, and names/contact information of three references. Please submit inquiries with a CV to PhysiologyFacultysearch@wayne.edu. Review of applications will begin after September 30, 2019 continue until the positions are filled.

WSU is an Affirmative Action/Equal Opportunity Employer and encourages applications from women, people of color or other underrepresented backgrounds.

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**Faculty Scientist Positions**

**Center for Perioperative Medicine**

**Department of Anesthesiology**

The Department of Anesthesiology and the Center for Perioperative Medicine (CPM) at McGovern Medical School would like to invite applications for assistant, associate, and full professor tenure-track full-time faculty positions. We are particularly interested in applicants with independent funding who are passionate about pursuing translational research in inflammation, resolution, and immunology related to the field of perioperative organ injury and critical care medicine. Qualified individuals should have an MD or PhD degree and at least 5 years of additional research experience.

Further information on our multidisciplinary research environment, department resources, and research programs are available on our website: https://med.uth.edu/anesthesiology/research/center-for-perioperative-medicine/. Responsibilities include developing extramural funding and actively participating in research activities of the CPM. McGovern Medical School is a part of the University of Texas Health Science Center at Houston (UTHealth) and is located within the Texas Medical Center, which also includes Baylor College of Medicine, Rice University and MD Anderson Cancer Center. An attractive start-up package, competitive salary, and generous benefits will be provided.

Please submit a cover letter, full curriculum vitae, and description of future research plans online (http://pfrer.us/UTHmb-hly). At least three reference letters should be sent separately (email is preferred) to kelli.wallen@uth.tmc.edu or Anesthesiology Faculty Search Committee c/o Kelli Wallen, Department of Anesthesiology, McGovern Medical School at UTHealth, 6431 Fannin, MSB 5.018, Houston, TX 77030. Review of applications will begin immediately and will continue until the positions are filled.

UTHealth is an EEO/AA Employer. UTHealth does not discriminate on the basis of race, color, religion, sex, sexual orientation, national origin, age, disability, genetic information, gender identity or expression, veteran status, or any other basis prohibited by law. EOEM/F/Disablty Yet.
Assistant Scientist/Professor in Orthopedics, Sanford Research
SANFORD HEALTH
Sanford Research invites applications for full-time faculty at the rank of Assistant Scientist in our Cellular Therapies and Stem Cell Biology group with commensurate rank of Assistant Professor at the Sanford School of Medicine at the University of South Dakota. Sanford Research is the non-profit research branch under Sanford Health.

We seek outstanding scientists with research interests in cartilage regeneration. Specifically, research into the understanding of chondrocyte biology as it pertains to a regenerative application in orthopedics. Significant institutional support, including modern laboratory space and state-of-the-art facilities will be provided. A comprehensive benefits package will be tailored to the candidate’s qualifications.

Qualifications: Applicants should hold a PhD, MD or MD/PhD degree and complement the existing strengths and interdisciplinary and collaborative nature of Sanford Research. Physician Scientists are encouraged to apply. Candidates will be expected to develop independent research programs and secure extramural funding.

Application: Sanford Health is an Equal Opportunity/Affirmative Action Employer. Applicants should submit a single PDF that includes: (1) detailed curriculum vitae, (2) description of research experience and future research plans with details on relevance of their research to cartilage regeneration in orthopedics, and (3) three letters of recommendation. If any of the information above is missing, the submission will not be considered. Submit materials via email to: researchrecruitment@sanfordhealth.org

About Sanford Health: Sanford Health, one of the largest health systems in the United States, is dedicated to the integrated delivery of health care, genomic medicine, senior care and services, global clinics, research and affordable insurance. Headquartered in Sioux Falls, South Dakota, the organization includes 44 hospitals, 1,400 physicians and more than 200 Good Samaritan Society senior care locations in 26 states and nine countries. Nearly $1 billion in gifts from philanthropist Denny Sanford have transformed how Sanford Health improves the human condition.

Assistant Scientist/Professor in Behavioral Sciences Sanford Research
SANFORD HEALTH
Sanford Research invites applications for full-time faculty at the rank of Assistant Scientist within Sanford Research in Sioux Falls, SD, with commensurate rank of Assistant Professor in the Sanford School of Medicine at The University of South Dakota. Sanford Research is the non-profit research branch under Sanford Health.

We seek outstanding scientists with research programs that span all areas of behavioral sciences, especially those relevant to population health research. Focus areas may include (but are not limited to): health services research including strategies to impact safety, cost, and clinical outcomes, clinical decision making and evidence-based practice; epidemiology; rural health; health disparities; or prevention science. As one of the largest rural health care providers in the U.S., Sanford is particularly interested in population research as it pertains to rural populations. The successful candidate will be provided the opportunity to become a project leader on the NIH-funded Health Outcomes and Population Research CoBRE: https://research.sanfordhealth.org/fields-of-research/behavioral-science-consortium

Qualifications: Applicants should hold a PhD, MD or MD/PhD degree, have a strong research track, and complement the existing strengths and the interdisciplinary and collaborative nature of Sanford Research. Physician Scientists are encouraged to apply. Candidates will be expected to develop independent research programs and secure extramural funding.

Application: Sanford Health is an Equal Opportunity/Affirmative Action Employer. Applicants should submit a single PDF that includes: (1) detailed curriculum vitae, (2) description of research experience and future research plans with specific details on the relevance of their research to behavioral science and population health, and (3) three letter of recommendation. Submit materials via email to: researchrecruitment@sanfordhealth.org

About Sanford Health: Sanford Health, one of the largest health systems in the United States, is dedicated to the integrated delivery of health care, genomic medicine, senior care and services, global clinics, research and affordable insurance. Headquartered in Sioux Falls, South Dakota, the organization includes 44 hospitals, 1,400 physicians and more than 200 Good Samaritan Society senior care locations in 26 states and nine countries. Nearly $1 billion in gifts from philanthropist Denny Sanford have transformed how Sanford Health improves the human condition.

Assistant Scientist/Professor in Biomedical Research, Sanford Research
SANFORD HEALTH
Sanford Research invites applications for full-time faculty at the rank of Assistant Scientist within Sanford Research in Sioux Falls, SD, with commensurate rank of Assistant Professor at the Sanford School of Medicine at the University of South Dakota. Sanford Research is the non-profit research branch under Sanford Health.

We seek outstanding scientists with research programs that span areas of biomedical research including but not limited to: genetics and genomics, pediatrics and rare diseases, stem cell biology, diabetes, or environmental influences of diseases. The successful candidate will have an opportunity to become a project leader on the NIH-funded Center for Pediatric Research CoBRE which focuses on key regulators of cellular plasticity that contribute to the developmental origins of pediatric disorders. Significant institutional support, including modern laboratory space and state-of-the-art facilities will be provided. A comprehensive benefits package will be tailored to the candidate’s qualifications.

Qualifications: Applicants should hold a PhD, MD or MD/PhD degree and complement the existing strengths and interdisciplinary and collaborative nature of Sanford Research. Physician Scientists are encouraged to apply. Candidates will be expected to develop independent research programs and secure extramural funding.

Application: Sanford Health is an Equal Opportunity/Affirmative Action Employer. Applicants should submit a single PDF that includes: (1) detailed curriculum vitae, (2) description of research experience and future research plans with details on relevance of their research to genetics and genomics, pediatrics and rare diseases, stem cell biology, diabetes, or environmental influences of diseases, and (3) three letters of recommendation. If any of the information above is missing, the submission will not be considered. Submit materials via email to: researchrecruitment@sanfordhealth.org

About Sanford Health: Sanford Health, one of the largest health systems in the United States, is dedicated to the integrated delivery of health care, genomic medicine, senior care and services, global clinics, research and affordable insurance. Headquartered in Sioux Falls, South Dakota, the organization includes 44 hospitals, 1,400 physicians and more than 200 Good Samaritan Society senior care locations in 26 states and nine countries. Nearly $1 billion in gifts from philanthropist Denny Sanford have transformed how Sanford Health improves the human condition.

Assistant Scientist/Professor in Rare Disease Research, Sanford Research
SANFORD HEALTH
Sanford Research invites applications for full-time faculty at the rank of Assistant Scientist within Sanford Research in Sioux Falls, SD, with commensurate rank of Assistant Professor at the Sanford School of Medicine at the University of South Dakota. Sanford Research is the non-profit research branch under Sanford Health.

We seek outstanding scientists with research programs that span areas of biomedical research impacting rare diseases. This could include, but is not limited to, understanding the underlying cellular and molecular mechanisms of rare diseases, using animal models to understand disease progression and design therapeutic interventions, and developing new therapeutic approaches to treat rare diseases. Significant institutional support, including modern laboratory space and state-of-the-art facilities will be provided. A comprehensive benefits package will be tailored to the candidate’s qualifications. Successful candidates will join a collaborative team with a well-established infrastructure in rare disease research and faculty mentorship. In addition, successful candidates will have opportunity to partner with the Coordination of Rare Diseases at Sanford (CoRDS) international rare disease patient registry whose mission is to facilitate the advancement of rare disease research.

Qualifications: Applicants should hold a PhD, MD or MD/PhD degree and complement the existing strengths and interdisciplinary and collaborative nature of Sanford Research. Physician Scientists are encouraged to apply. Candidates will be expected to develop independent research programs and secure extramural funding.

Application: Sanford Health is an Equal Opportunity/Affirmative Action Employer. Applicants should submit a single PDF that includes: (1) detailed curriculum vitae, (2) description of research experience and future research plans with details on relevance of their research to rare diseases, and (3) three letters of recommendation. If any of the information above is missing, the submission will not be considered. Submit materials via email to: researchrecruitment@sanfordhealth.org

About Sanford Health: Sanford Health, one of the largest health systems in the United States, is dedicated to the integrated delivery of health care, genomic medicine, senior care and services, global clinics, research and affordable insurance. Headquartered in Sioux Falls, South Dakota, the organization includes 44 hospitals, 1,400 physicians and more than 200 Good Samaritan Society senior care locations in 26 states and nine countries. Nearly $1 billion in gifts from philanthropist Denny Sanford have transformed how Sanford Health improves the human condition.
DEPARTMENT OF MOLECULAR AND HUMAN GENETICS

TENURED/TENURE TRACK FACULTY POSITION in GENETICS/GENOME INSTABILITY

The Department of Molecular and Human Genetics and the Dan L. Duncan Comprehensive Cancer Center at Baylor College of Medicine are seeking an individual for faculty appointment at rank appropriate for achievement and experience, working in any organism on problems in genomic instability or other fundamental genetic topic. Appointment will be at the Assistant, Associate, or Full Professor level depending on experience.

The Department’s research interests include genomics, mechanisms of DNA replication and repair, mechanisms of transcription, mutation, DNA recombination, genomic instability and cancer, behavioral genetics, bioinformatics, gene therapy, gene structure and expression and the biology of aging. Department research includes strengths in bacterial, yeast, Dicyostelium, worm, fly and mouse human genetics.

Among genetics departments at U.S. medical schools, the Department of Molecular and Human Genetics at Baylor College of Medicine (https://www.bcm.edu/departments/molecular-and-human-genetics) ranks first in both number of grants and total funding from the National Institutes of Health. The Department includes basic and clinical research, a new joint venture diagnostic laboratory, long-standing association with an NIH human genome sequencing center, a NIH funded graduate program, and residency/fellowship training in medical genetics. The Department has 70 primary tenured and tenure-track research faculty members and a total of 140 primary faculty members, who are engaged in a variety of missions including basic and translational research, clinical diagnostic services, and prenatal, pediatric, and adult clinical care.

The Dan L. Duncan Comprehensive Cancer Center (DLDCCC) includes over 270 research members in seven different Programs who bring in $180M in total cancer relevant funding including nearly $90M from NIH. Twelve state-of-the-art Shared Resources are supported by the DLDCCC and, in total, BCM has more than 30 core facilities supporting research (https://www.bcm.edu/centers/cancer-center/research/shared-resources).

The weekly Genome Instability Group meeting, supported by the Department and DLDCCC, includes labs from throughout the Texas Medical Center discussing work in progress.

Houston is the fourth largest US city, the most internationally diverse US city, “is widely considered to be one of the most culturally diverse cities in the world”—NY Times, and is on the New York Times’ 50 Places To Go list in the world for food and culture.

Successful candidates will have strong basic research programs related to genetic/genomic stability or instability, genome organization, genomics, including, but not limited to DNA replication, repair, mutation, genome rearrangements, DNA damage response, mechanisms of heritability and evolution, studied in any organism from bacteria to human. This individual will join the Mechanisms in Cancer Evolution program in the Dan L. Duncan Comprehensive Cancer Center. However, outstanding individuals in any research area will be considered. Generous start-up support is available. Curriculum vitae, a brief summary of research plans, along with the names, addresses, and phone numbers of at least three references to the following email address: mhgfacultyrecruits@bcm.edu, Attention Profs. Christophe Herman, Greg Ira, and Susan Rosenberg, search co-chairs. Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, ABBR Room R830, Houston, TX 77030; Phone: 713-798-5443; Fax: 713-798-8515.


DEPARTMENT OF MOLECULAR AND HUMAN GENETICS

TENURED/TENURE TRACK STATISTICAL GENETICIST

The Department of Molecular and Human Genetics at Baylor College of Medicine is seeking an individual for faculty appointment with a track record of accomplishment in the areas of statistical or population genetics or genetic epidemiology. Appointment will be at the Assistant, Associate, or Full Professor level depending on achievement and experience.

The Department has a strong and ongoing reputation of novel human genetics discoveries that include large and expanding datasets of diverse individuals with both Mendelian and complex disorders. Successful candidates are expected to build and maintain a strong program that will complement and enhance ongoing studies of both complex and Mendelian traits in the Department. Individuals with expertise in applied statistical genetic models; analyses of population genetic variation; or analytical integration across multi-omic datasets studies are encouraged to apply. A strong background in genetic epidemiology, including implementation and challenges of risk prediction from genetic data is also sought. However, outstanding individuals in any related research data area will be considered. Generous start-up support is available and extensive computation resources are available.

Among genetics departments at U.S. medical schools, the Department of Molecular and Human Genetics at Baylor College of Medicine (https://www.bcm.edu/departments/molecular-and-human-genetics) ranks first in both number of grants and total funding from the National Institutes of Health. The Department includes basic and clinical research, a new joint venture diagnostic laboratory, an NIH funded graduate program and residency/fellowship training in medical genetics. The Department has a close and long-standing association with an NIH Human Genome Sequencing Center, an NIH Center for Mendelian Genetics, and an Undiagnosed Disease Network site; in addition to robust collaborations with other departments including the Dan L. Duncan Comprehensive Cancer Center (DLDCCC), the Neurological Research Institute, and Texas Children’s Hospital, as well as across the Texas Medical Center. The Department has over $100 million in total research funding, 70 primary tenured and tenure-track research faculty members and a total of 140 primary faculty members, who are engaged in a variety of missions including basic and translational research, clinical diagnostic services, and prenatal, pediatric, and adult clinical care.

Houston is the fourth largest US city, the most internationally diverse US city, “is widely considered to be one of the most culturally diverse cities in the world”—NY Times, and is on the New York Times’ 50 Places To Go list in the world for food and culture.

Curriculum vitae, a brief summary of research plans, along with names, addresses, and phone numbers of at least three references to the following email address: mhgfacultyrecruits@bcm.edu, Attention: Drs. Neil Hanchard and Chris Amos, search co-chairs. Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor College of Medicine, ABBR Room R830, Houston, TX 77030; Phone: 713-798-5443; Fax: 713-798-8515.

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- Bonus distribution: Society for Neuroscience, October 19–23, Chicago, IL.

Expand your exposure by posting your print ad online:

- Link on the job board homepage to a landing page for neuroscience jobs.
- Additional marketing driving relevant job seekers to the job board.

Neuroscience research recruiting opportunities

Alzheimer’s research is undergoing a transformation with better tracking tools, funding surges and interdisciplinary collaborations that are reshaping research in this critical field. Get involved by sharing your company’s job openings that will help tackle one of science’s most stubborn puzzles.
Two Neuroscience Faculty Positions Available
Open-rank (Assistant/Associate/Full Professor)

The Department of Integrative Physiology and Neuroscience (IPN) at Washington State University in Pullman, WA is seeking two outstanding academic scientists to fill full-time, tenure-track faculty positions at the rank of Assistant/Associate/Full Professor. The positions are permanent, 75% state-funded, 12-month appointments. Ideal candidates are expected to develop and maintain innovative, extramurally funded research programs in neuroscience that complement and enhance current faculty scholarship in food intake/energy homeostasis, drug addiction, sensory biology, circadian rhythms/sleep, synaptic plasticity, neurodegenerative disease, or biophysics (additional details at: https://ipn.vetmed.wsu.edu/research). Preference for one position will be a scientist with strengths in molecular/cellular approaches, and preference for the other position will be a scientist with strengths in circuit/systems level approaches.

Requirements: Applicants must have one of the following degrees: a PhD in neuroscience or similar biological/biomedical field, and/or an MD, DVM, or equivalent professional degree. Applicants for a position at associate/full professor rank must have an established extramurally funded independent research program, and a record of peer-reviewed publications and national/international recognition commensurate with position rank. Applicants for a position at assistant professor rank should demonstrate potential to establish and maintain an externally funded research program (peer-reviewed publications and developed research agenda). Minimum of two years of research experience after doctoral degree.

Duties: Maintain an externally funded research program capable of supporting graduate students and/or post-doctoral trainees. Classroom teaching duties will include instruction in academic programs supported by IPN. Must be able to communicate effectively and work in a highly collegial and collaborative environment with a diverse population of colleagues and students.

Environment: Washington State University has a vibrant neuroscience community and is located in a region having a high quality of life for those who enjoy the outdoors, the arts, and the collegiality of diverse neighbors. Generous start-up packages will be provided. Laboratory space is available in a modern research building designed for neuroscience research containing numerous shared resources.

Salary and rank: Dependent upon qualifications.

Timeline: Screening of applications will begin November 4, 2019. The application must include the following: a cover letter which states desired rank for consideration, curriculum vita, description of teaching experience and philosophy (1 page), summary of research interests and goals (up to 3 pages), and names and contact information (including email addresses) for three references. Submit applications online at: https://hrs.wsu.edu/. Select specific position you are applying for under Department of Integrative Physiology and Neuroscience. Positions are Molecular/Cellular Neuroscience or Circuit/Systems Neuroscience. If applying for both, complete both applications. Direct questions to kinslow@wsu.edu. WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, and an NSF ADVANCE Institutional Transformation grant (advance.wsu.edu).

Dartmouth

TENURE-TRACK FACULTY POSITION IN BIOINFORMATICS AND COMPUTATIONAL ONCOLOGY

The Department of Biomedical Data Science, the Geisel School of Medicine at Dartmouth, and the Norris Cotton Cancer Center (NCCC) invite applications for a tenure-track appointment at the rank of Assistant or Associate Professor as part of a targeted expansion of Dartmouth’s genomics, bioinformatics, and computational oncology faculty. NCCC offers a dynamic and interactive environment, with a commitment to research excellence. Faculty appointment will be in the Department of Biomedical Data Science, with membership in one of four research programs at NCCC. Dartmouth faculty members benefit from highly collaborative and collegial interactions across campus, inclusive of departments at Geisel, the Dartmouth Faculty of Arts & Sciences, and the Thayer School of Engineering.

Successful applicants will develop vigorous and innovative research programs focused on computational data integration, single-cell analyses, systems biology, bioinformatics, genomics, or epigenomics to study and understand complex aspects of cancer biology, including but not limited to cell growth and proliferation, cell signaling, gene expression and genome organization, metastasis, drug resistance, tumor microenvironment, and cell-cell communication. Applicants with expertise in machine learning, artificial intelligence and biostatistics are strongly encouraged. Candidates are expected to have a strong record of scholarship, to develop an independent research program, and to participate in graduate-level teaching. Evidence of an ability to secure extramural funding is desirable. Applicants should have a PhD, MD, or equivalent degree with relevant post-doctoral training.

A generous start-up package as well as access to state-of-the-art research facilities will be provided. Individuals will be given opportunities for mentorship and teaching in relevant PhD graduate programs (e.g., Program in Quantitative Biomedical Sciences, Program in Molecular and Cellular Biology, and Program in Experimental & Molecular Medicine). Training grants (e.g., the Burroughs Wellcome Fund Big Data in the Life Sciences for Unifying Population and Laboratory-based Sciences Training Grant, and the Quantitative Biomedical Sciences Training Grant) are available to support trainees.

The successful candidate will have affiliation with NCCC (one of 50 NCI-designated Comprehensive Cancer Centers); opportunities for innovative research method development and application through Dartmouth’s high-performance computing resources (e.g., Discovery); access to Dartmouth’s Core Centers, Dartmouth’s Clinical and Translational Science Institute (named Synergy); and may benefit from interactions with existing NIH Centers for Biomedical Research Excellence (COBREs) at Dartmouth.

Dartmouth is located in the picturesque Upper Connecticut River Valley on the New Hampshire and Vermont border, a vibrant, academic and professional community offering excellent schools, lively arts, and an unmatched quality of life in a beautiful, rural setting. Boston MA, Burlington VT, and Montreal QC are all within a few hours’ drive.

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.

Applicants should upload a cover letter addressed to Dr. Brock C. Christensen search Chair, curriculum vitae, research statement, and a teaching statement to: http://apply.interfolio.com/61494 and ask three referees to provide letters of recommendation.

Screening of applications will begin September 15, 2019 and continue until the position is filled.
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A career plan customized for you, by you.

**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.
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Visit the website and start planning today!
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For your career in science, there’s only one Science
The Department of Chemistry in the College of Science at Purdue University invites applications for a tenure-track faculty position at the Assistant Professor level in Inorganic Chemistry. Successful candidates may have interests in any research area of inorganic chemistry, defined broadly.

Qualifications: Candidates must have a PhD in chemistry, or a related field, with outstanding credentials in research, an excellent track record of or potential for leading publications and a strong commitment to excellence in teaching. Successful candidates are expected to develop a vibrant research program supported by extramural funding and to display excellence in teaching at the graduate and undergraduate levels.

The Department and College: With 50 full-time faculty, 350 PhD students, and over 300 outstanding undergraduates, Purdue’s highly ranked chemistry department is one of the largest and most diverse in the country. The wide-ranging expertise of the faculty enables fast and effective responses to interdisciplinary research opportunities, positioning it as a key partner in many university-wide centers, institutes, and initiatives. For more information, see http://www.chem.purdue.edu/.

Chemistry is part of the College of Science, which comprises the physical, computing and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6000 students. With multiple commitments of significant investment and strong alignment with Purdue leadership, the College is committed to supporting existing strengths and enhancing the scope and impact of the Department of Chemistry. Purdue itself is one of the nation’s leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see https://www.purdue.edu/purdumoves/initiatives/steam/index.php.

Application Procedure: Applicants should submit a cover letter, a curriculum vita, a teaching statement, and a description of proposed research electronically at this site: https://careers.purdue.edu/job/West-Lafayette-Assistant-Professor-Inorganic-Chemistry-IN-47906/588124700/?locale=en_US. Additionally, applicants should arrange for three letters of reference to be e-mailed to the Department Head at inorgsearch@purdue.edu specifically indicating the position for which the applicant is applying. Applications will be held in strict confidence and will be reviewed beginning October 15, 2019. Applications will remain in consideration until the position is filled.

A background check will be required for employment in this position. Purdue University’s Department of Chemistry 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 their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue University is an EOE/AA Employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

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The Department of Chemistry in the College of Science at Purdue University invites applications for a tenure-track faculty position at the Assistant Professor level in Analytical Chemistry. Successful candidates may have interests in any research area of analytical chemistry, defined broadly.

Qualifications: Candidates must have a PhD in chemistry, or a related field, with outstanding credentials in research, an excellent track record of or potential for leading publications and a strong commitment to excellence in teaching. Successful candidates are expected to develop a vibrant research program supported by extramural funding and to display excellence in teaching at the graduate and undergraduate levels.

The Department and College: With 50 full-time faculty, 350 PhD students, and over 300 outstanding undergraduates, Purdue’s highly ranked chemistry department is one of the largest and most diverse in the country. The wide-ranging expertise of the faculty enables fast and effective responses to interdisciplinary research opportunities, positioning it as a key partner in many university-wide centers, institutes, and initiatives. For more information, see http://www.chem.purdue.edu/.

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Application Procedure: Applicants should submit a cover letter, a curriculum vita, a teaching statement, and a description of proposed research electronically at this site: https://careers.purdue.edu/job/West-Lafayette-Assistant-Professor-Analytical-Chemistry-IN-47906/588556100/?locale=en_US. Additionally, applicants should arrange for three letters of reference to be e-mailed to the Department Head at analyticalsearch@purdue.edu specifically indicating the position for which the applicant is applying. Applications will be held in strict confidence and will be reviewed beginning October 15, 2019. Applications will remain in consideration until the position is filled.

A background check will be required for employment in this position. Purdue University’s Department of Chemistry 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 their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue University is an EOE/AA Employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.
10 ways that Science Careers can help advance your career

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3. Sign up to receive e-mail alerts about job postings that match your criteria.
4. Upload your resume into our database and connect with employers.
5. Watch one of our many webinars on different career topics such as job searching, networking, and more.
6. Download our career booklets, including Career Basics, Careers Beyond the Bench, and Developing Your Skills.
7. Complete an interactive, personalized career plan at “my IDP.”
8. Visit our Employer Profiles to learn more about prospective employers.
9. Research graduate program information and find a program right for you.
10. Read relevant career advice articles from our library of thousands.

Visit ScienceCareers.org today — all resources are free
FACULTY OPENINGS
University of Minnesota, Twin Cities

The Department of Genetics, Cell Biology and Development (GCD) at the University of Minnesota, Twin-Cities has multiple tenure-track openings at the Assistant and Associate Professor levels. Interested candidates should send their CV, a cover letter, research statement (3-5 pages), teaching statement (1 page), a statement of commitment to diversity (1 page), and list of three referees through the online portal:

https://apprkr.com/1587821

Informal inquiries to search committee co-chairs Ran Blekhman (blekhman@umn.edu) and David Zarkower (zarko001@umn.edu) are welcome. Review of applicants will begin on October 1, 2019, and continue until the positions are filled.

GCD is a vibrant, multi-disciplinary department with outstanding faculty expertise in genetics, cellular biophysics, and developmental biology. We are seeking collaborative faculty who will complement our research expertise in emerging faculty clusters focused on human genomics, synthetic and cellular engineering, cancer biology, and developmental genetics. Investigators employing these approaches in organoid platforms are especially encouraged to apply. GCD faculty span the Medical School and the College of Biological Sciences and have access to excellent core facilities, an interdisciplinary environment integrated with translational research, engineering and computational expertise, and life sciences research across scales from atoms to organisms. GCD is centered in the Twin Cities of Minneapolis and Saint Paul, which consistently ranks as one of the top places to live in the U.S. and is a hub for biotech and biopharmaceutical companies. Applicants at the Assistant Professor level are expected to have an outstanding track-record of academic excellence with the drive to establish extramurally-funded research programs, including both independent and collaborative lines of investigation. Applicants at the Associate Professor level are expected to be experts in their field, have an established extramurally funded research program, and a robust track-record of publication and collaborative science. All applicants are required to hold a Ph.D. or an M.D./Ph.D. degree.

The University of Minnesota is an Equal Opportunity and Affirmative Action Employer. The University does not discriminate on the basis of race, color, creed, religion, age, sex, sexual orientation, national origin, marital status, disability, or veteran status in its education or employment programs or activities.
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FROM THE JOURNAL SCIENCE
Recognizing that solutions to our environmental crises will require contributions across many disciplines, the Institute’s new mission is to bring together natural and social scientific research to address contemporary environmental problems. The Director and Co-Director will lead this ambitious expansion of Wrigley’s mission to become a major national center for frontier research on sustainability and the environment. This is an opportunity to reinvent the Wrigley Institute. The Director and Co-Director will guide a comprehensive approach to tackling sustainability challenges that prioritizes action toward meaningful change.

In addition to setting the intellectual agenda for the Institute, the new leadership will foster new research initiatives, enhance its educational programming, work with foundations and the public to enhance environmental awareness, steer fundraising efforts, and manage the Institute’s staff.

We will consider applicants at the full professor level from disciplines in both the natural and social sciences. The Institute’s leadership structure will be determined based on scholarly credentials, leadership experience and vision. Both successful candidates will bring a distinguished record of innovative research and publication related to environmental studies. The successful applicants will each have a primary appointment in his / her disciplinary home department within USC Dornsife and must each hold a doctoral degree in appropriate field of study.

A pairing of a natural scientist and a social scientist who have contemplated their collaborative vision for the Wrigley Institute in advance would be welcomed (but is not prerequisite for either position).

Applications should include a curriculum vitae, and statement on personal research accomplishments and future research directions, a statement on teaching and educational activities, and three names of individuals familiar with the applicant’s work to be contacted for letters of recommendation. Applications should also include a vision statement on how, as a leader in the USC Wrigley Institute, the applicant would advance the Institute’s goals. To be considered for this position, applicants are required to submit an electronic USC application through the following link: https://usccareers.usc.edu/job/los-angeles/wrigley-institute-for-environmental-studies-at-usc-dornsife-director-and-co-director/1209/13209724.

Inquiries from social scientists may be directed to William Deverell, Search Committee Chair, deverell@usc.edu and for Natural Sciences to Will Berelson, Search Committee Chair, berelson@usc.edu. These two search committees will work together to select the best leadership team. Review of completed applications will begin November 1, 2019 and will continue until the position is filled.

USC 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, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.
Molecular Cardiovascular Biology

TENURED TRACK FACULTY POSITIONS IN MOLECULAR CARDIOVASCULAR BIOLOGY
(Assistant, Associate, Full Professor)

The Division of Molecular Cardiovascular Biology, within The Heart Institute at Cincinnati Children’s, is looking for qualified Ph.D., M.D. or M.D.-Ph.D. candidates with a research program that investigates or can be applied to the investigation of the molecular biology of cardiac muscle. Candidates with a skeletal muscle research focus will also be considered.

The Heart Institute at Cincinnati Children’s has brought together clinical care, research and education programs, all directed at providing comprehensive care for children with heart and muscle disease and developing novel therapeutic avenues for treatment. The Heart Institute at Cincinnati Children’s is one of the strongest pediatric clinical heart programs in the country.

This is an excellent opportunity to join our existing faculty of world-renowned researchers in developmental cardiac biology, pediatric and adult disease-based heart research, and skeletal muscle and muscular dystrophy biology. The successful candidate will receive a generous startup package.


A letter of interest, accompanied by a complete curriculum vitae and the names of three references should be electronically sent to: Jeff.Molkentin@cchmc.org

Cincinnati Children’s is an Equal Opportunity Employer.

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Produced by the Science/AAAS Custom Publishing Office.
The Howard Hughes Medical Institute (HHMI) is pleased to announce the 2020 Hanna H. Gray Fellows Program competition. This program seeks to increase diversity in biomedical science by recruiting and retaining individuals from groups underrepresented in the life sciences. Through their successful careers, HHMI Hanna Gray Fellows will inspire future generations of scientists from America’s diverse talent pool.

Fellows will receive funding for their postdoctoral training and may continue to receive funding during their early career years as independent faculty. The program includes opportunities for career development, including mentoring and active involvement in the HHMI scientific community. The Institute will select and support up to 15 fellows in this competition.

This grant competition is open to all eligible applicants and no nomination is required. The competition opens September 12, 2019.

Eligibility:
The program is open to individuals who:

- are from gender, racial, ethnic, and other groups underrepresented in the life sciences, including those individuals from disadvantaged backgrounds.
- hold a PhD and/or MD (or equivalent), which must be conferred by the start of the grant term.
  - U.S. citizens must have a degree from a research institution in the U.S. (including Puerto Rico) or an international research institution.
  - Non-U.S. citizens and applicants with other nationalities must have a degree from a research institution in the U.S. (including Puerto Rico).
- have no more than 16 months of postdoctoral research experience at the time of the application due date.

Applications are due on January 8, 2020. Mentor and reference letters must be received by January 15, 2020. Further details: https://www.hhmi.org/hgf or contact fellows@hhmi.org.

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Head of Life Sciences

Salary: £90,019 – £108,204 per annum • Permanent contract: full time

About the role:
This is an opportunity to lead a major department in a world-renowned institution with a scientific mission and public profile. You will lead a large science department that comprises approximately 190 staff, including researchers, curatorial, laboratory and support staff, that houses some of the largest and most significant scientific collections in the world and that collaborates in engaging huge national and international audiences on science and the natural world. The Museum is currently pursuing investments towards a new science research and collections centre in order to improve conditions for our collections; providing new opportunities for scientific research, and to unlock the future development of the Museum to engage a growing public audience. You will sit at the apex, leading your department through the planning of this major change, particularly in view of opportunities to form strategic partnerships with other parts of the UK Science base.

About you:
Whether your background is steeped in research, curatorial and/or collections management, it will reflect the breadth of the NHM’s current and planned future activities in Life Sciences. You will bring a strong vision for the development of Life Sciences in the context of an internationally leading museum, underpinning and delivering strategy. This will typically be developed from operating within an organisational leadership team, with proven ability to work across corporate boundaries to deliver strategy and activities in the wider interests of the institution.

A natural and effective communicator, you will have the ability to convey complex messages, tailor these appropriately to multiple audiences through multiple channels, and ensure that communication is not ‘one-way’ but includes appropriate feedback loops.

To apply please visit: https://careers.nhm.ac.uk/templates/CIPHR/jobdetail_1773.aspx

Closing: 9am on 30 September 2019

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The Natural History Museum values the diversity of its employees and the unique perspectives they bring to our business.