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The College of Agriculture and Life Sciences and Texas A&M AgriLife Research at Texas A&M University seek applicants for a tenure-track Assistant Professor position in Biophotonics; 9-month College, 1-month AgriLife Research appointment in department most relevant to expertise. Applicant with potential to (1) establish program in sensor development, optical spectroscopy, Raman spectroscopy and/or cyber-physical systems, (2) function in an interdisciplinary team to translate quantum physics and spectroscopic techniques into functional systems for agricultural/industrial needs, (3) publish, direct graduate students, develop intellectual property/patents, attract extramural funding. Teaching will fit departmental needs and individual expertise. Service expected to institution and professional societies. Ph.D. required in appropriate discipline, engineering or physics; licensed or ability to license as professional engineer.

Apply: https://tamus.wd1.myworkdayjobs.com/TAMU_External/job/College-Station-AL-RSCH/Assistant-Professor-Biophotonics-R-008096. Upload: (1) Letter of application with interests, qualifications, unique skills, perspectives, and how contribute to a culturally diverse educational environment, (2) current curriculum vitae; (3) list five most significant publications with impact in the field, (4) names and contact information of five references. Review of applications begin July 31, 2018, and date of hire September 1, 2018 or until a suitable applicant is hired.

Texas A&M University, the College, and AgriLife Research are Equal Opportunity/Affirmative Action/Veterans/Disability Employers. Applications from women, minorities, individuals with disabilities, and covered veterans encouraged. Info: David Reed 979-458-0710 or dreed@tamu.edu.

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Featured Topics:
- Networking
- Industry or Academia
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- Non-Bench Careers
- And More
Situated in core urban district of Qingdao, a coastal city in eastern China, next to the site of the World Horticultural Exposition 2014 and surrounded by Ocean University of China, Shandong University (Qingdao), and Qingdao National Laboratory of Marine Science and Technology, Qingdao International Academician Park (QIAP) aims to create an advanced platform for technology innovation and commercialization, distinctively characterized by rallying the brainpower of international academicians.

Operating with a global vision and by international standards and focusing on information technology, life science, design and development engineering, high-end equipment manufacturing, alternative energy and new material, QIAP introduces globally academicians to conduct scientific researches and commercialization of state-of-the-art technology. Within 3 years, it hopes to attract 10 world’s top scientists and 100 renowned academicians from home and abroad to build a world-class and unique powerhouse for creation, innovation, entrepreneurship and funding for academicians.

Goal and problem-solving oriented and relying on new and innovative system & mechanism, we aim to promote the integration of the strengths of academies of sciences and academies of engineering, the communication between system & mechanism for scientific research in the West and China, the coordinated development of and seamless transition between R & D and commercialization, so as to set in motion the flow of institutions, human resource, facilities, capital and projects, to initiate a new phase of system innovation, integrated innovation and coordinated innovation.

Looking ahead, QIAP will uphold its motto of “facing up to problems, conquering difficulties, being creative, keeping ahead and remaining top-notch” and march firmly forward, doing all it can to realize its dream by building a base camp for academicians to scale new heights in science and technology as well as an ecosystem for creation and innovation that boasts both great originality and considerable scales of industry.

Research Project: Vaccines for Plants

**Definition**

Vaccines for plants increase the plant’s resistance to disease and tolerance for adversity by activating its immune system and regulating its (especially vegetable and fruit) metabolism. These vaccines fall into two categories, plant immunity inducer (such as protein, oligose, and glycoprotein metabolites or bioactive molecules) and bacteria that induce immunity, such as Trichoderma and bacillus.

**Technology goal**

Aiming at tapping the global demand for vaccines for plants, to research in and develop vaccines for plants that are adaptive to different plant, soil and climate, which removes the global constrains on research and commercialization in the field.

1. Study in techniques in comprehensive biological pest control, generating fungal and viral strain resources and in genetically modifying strains.
2. Harmlessly mass-produce microbial metabolites through fermentation of engineered bacteria.
3. Manufacture synthesized or modified natural compounds that are friendly to the environment and non-toxic to animal and human.
4. Mass-produce or develop versatile vaccines for plants, which resist disease, promote growth, increase production and improve quality for crops.

QIAP cordially invites academicians globally to join us in the research and commercialization of vaccines for plants.
The Ohio State University

College of Medicine

Faculty Positions in Neuroscience
The Ohio State University (OSU), Wexner Medical Center

The Department of Neuroscience invites applications for tenure-track faculty positions at the rank of Assistant, Associate or Full Professor.

As part of an ongoing commitment to place OSU at the forefront of patient care, research and innovation, The College of Medicine is committing significant resources to build cutting-edge and internationally recognized basic and translational neuroscience programs. We have a goal that the Department of Neuroscience will become a Top 10 nationally-ranked department within 5 years.

Applicants who study the mechanisms underlying normal nervous system function and/or how these mechanisms and interactions are affected by disease or injury are encouraged to apply. Candidates with technical expertise in functional imaging, optogenetics, bioengineering, electrophysiology or -omics-based technologies (genomics, proteomics, metabolomics, connectomics, etc.) will be prioritized.

Newly recruited faculty will have the opportunity to be part of one or more established or rapidly growing research teams focused on neurotrauma (spinal cord and brain injury), neural regeneration or plasticity, neuroimmunology, neurodegeneration/cognitive impairment, pain, addiction, epilepsy and stroke/ischemic injury.

Candidates must hold a Ph.D. or equivalent and at least 3 years postdoctoral experience with a strong record of scholarly activity. Candidates for appointment as Associate or Full Professors should also be nationally or internationally recognized scholars with consistent externally funded research programs. Prospective candidates should send a statement of research interests, vita and a list of three references to recruitosuneurosci@osumc.edu. Applications are being accepted now and formal review will begin August 30, 2018. The search will remain open until all positions are filled.

The Ohio State University is an Equal Opportunity, Affirmative Action Employer and as such, women and minorities are encouraged to apply. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request.

Special Job Focus:

Chemistry

Issue date: July 27
Book ad by July 12
Ads accepted until July 20 space allows

Why choose this Chemistry Focus for your advertisement?
- Relevant ads lead off the career section with a special “Chemistry” banner
- Bonus distribution to: American Chemical Society Fall, August 19–23, Boston, MA.
The Swiss Federal Institute of Technology Zurich (ETH Zurich) stands for excellent teaching, pioneering basic research, creativity and innovation – and the application of the results for the benefit of society. Together with EPFL and the four federal research institutes PSI, WSL, Empa and Eawag, ETH Zurich is part of the ETH Domain, whose strategic management and supervisory body is the ETH Board. The ETH Board is advertising the position of **President of the Swiss Federal Institute of Technology Zurich (ETH Zurich)**

under its mandate of submitting to the Swiss Federal Council a proposal for a successor.

ETH Zurich was established in 1855 and is one of the internationally leading universities in the field of technical and natural sciences, and as such provides researchers with an inspiring environment and their students with a thorough education. Currently, more than 28,000 people are studying, working and carrying out research at ETH Zurich.

**Requirements**

Your record in exact, natural or engineering sciences has been internationally recognised. You are able to identify and foster out-standing potentials and visionary ideas, specify strategic guidelines and raise issues in current scientific, technological and societal areas. As an experienced executive in a big organisation, preferably in the field of science or in trade and industry, you have provided evidence of your integrative leadership skills. You have good networks inside and outside the scientific community, and you are prepared to develop ETH Zurich’s future and to lend an active hand in shaping the entire ETH Domain with great dedication.

Your personality is characterised by a high degree of social competence, assertiveness and the ability to deal with conflict, also in a participative management culture like that of ETH Zurich. You possess a high degree of communication competence, which you would use both inside and outside the university, and you understand Switzerland’s political structures, legislative processes and cultural diversity. Finally, you have a good command of German and English, and preferably a knowledge of French. You are willing to hold office for at least two terms of office (i. e. eight years). Ideally the starting date would be at the beginning of 2019.

**Applications**

Please send your complete application to ethzurich@egonzehnder.com. Egon Zehnder is assisting the ETH Board in its preparations for the selection process. The President of the ETH Board, Dr. iur. Fritz Schiesser, ETH-Rat, Haldeliweg 15, 8092 Zurich, Switzerland, will be pleased to provide further information (phone +41 44 632 20 01, schiesser@ethrat.ch). All applications received by August 13th 2018 will be considered for the selection process. Your data will be treated in strict confidence. They will be used only in connection with your application and in accordance with Swiss data protection law. By submitting your application, you give us your consent to process your data for this purpose and to exchange it with the above-mentioned company.

Applications from women are particularly welcome.

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**Tenure-track faculty positions**

The Department of Otolaryngology – Head and Neck Surgery at The Ohio State University and Ohio State’s Comprehensive Cancer Center – James Cancer Hospital and Solove Research Institute in Columbus, Ohio, are seeking new tenure-track faculty at the assistant-, associate- or full-professor level to join a program that supports the highest quality basic and translational research with a view toward its application in head and neck cancer.

The program seeks several accomplished scientists within the fields of cancer, cell biology, cancer genomics and immunology, including one at a senior level and others at a junior or senior level. Scientists with experience in tumor immunology, cancer stem cells, tumor lineage, single-cell analysis, DNA repair pathways and epigenetics will be strongly considered. Applicants with funded programs or strong evidence of funding potential will receive the highest priority and will be offered highly competitive start-up packages. Applicants should have a PhD and/or MD degree and will be expected to maintain an independent basic research effort while helping the department build strong interdisciplinary research and training programs.

Applicants should send a cover letter describing their interest in the department, along with their CV and a brief description of their research interests, as a single PDF document addressed to Professor James W. Rocco, MD, PhD, Chair, Department of Otolaryngology — Head and Neck Surgery, at James.Rocco@osumc.edu.

Review of applications will continue until the positions are filled.

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**Lecturer/ Senior Lecturer/ Associate Professor/ Professor/ Clinical Academic**

We are seeking academic staff with the ambition to match ours. Whether you are an internationally renowned professor seeking a Professorial Fellowship or an exceptionally talented early career researcher, Lecturer, Senior Lecturer, Associate Professor or Professor we have exciting opportunities for you. We are growing our team and invite applications from talented researchers, educators and clinical academics. Join Exeter and you’ll join a team whose research quality is ranked in the top 30 world-wide while establishing a tenured career located in a beautiful part of the country.

We are particularly interested in:

- Individuals who will contribute to our main areas of research which are: diabetes and associate conditions, brain health and mental health, ageing, health services research, primary care, public health and the environment and human health.
- Individuals with a passion for teaching and educational strengths in anatomy, assessment, student support, fitness to practice or fundamental science.

We will offer generous set up packages for candidates that transfer significant research grants to the University.

Interested? Full details are available at [medicine.exeter.ac.uk/about/joinus](http://medicine.exeter.ac.uk/about/joinus)

Or to apply now, please go to exeter.ac.uk/jobs and key word search P01148