Professor of Food Systems Economics and Policy

The Department of Environmental Systems Science (www.usys.ethz.ch) at ETH Zurich invites applications for a full professorship focusing on the economic and political choices as well as the governance of food systems.

Successful candidates are expected to pursue an excellent research programme linking food chains to environmental conditions as well as to socio-economic and policy choices, across a range of spatial and institutional scales, and contributing to create more sustainable and resilient food and agricultural systems. Application and development of innovative methods and approaches for such food system are particularly welcome. The new professor is expected to have a strong background in agricultural and food economics, policy sciences, behavioural sciences, or related fields, to have an international track record in research, and to be motivated and experienced teachers. Teaching duties will include undergraduate (German or English) and graduate level courses (English) at the interface between economics, agriculture, food production, distribution, consumption and policy.

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, 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 28 February 2021. 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.

MOLECULAR BACTERIOLOGY AND IMMUNOLOGY FACULTY POSITIONS

The Department of Microbiology & Immunology at the University of Texas Medical Branch (UTMB), Galveston, is seeking to recruit tenure-track faculty in Bacteriology and Immunology at the academic rank of Assistant, Associate or Full Professor with MD, PhD, DVM or equivalent degrees.

The preferred research areas of bacteriology include bacterial genomics/proteomics, virulence, structure-function relationships, antibiotic resistance, host-pathogen interactions with a focus on cell signaling, the role of the microbiota in disease outcomes, and vaccine development using novel platforms.

The preferred research areas of immunology include the molecular basis of innate and adaptive immunity and studies of human T and B cells in response to infectious diseases. Emphasis may be on either basic or pathogen-elicited immunities during acute as well as chronic diseases.

The successful candidates should be highly productive based on their past accomplishments and have either an established record of extramural funding or have the potential to establish robust, funded research programs in the desired research areas. The successful applicants should be amenable to collaborative studies with other investigators studying the pathogenesis of infectious diseases, as well as teaching and mentoring graduate and medical students. Salary and academic rank are commensurate with experience, and excellent benefits and start-up packages are offered. The department has recently recruited five highly successful faculty members from across the nation at the level of Assistant or Associate Professor.

UTMB, a member of Texas Medical Center, has many highly collaborative research centers and institutes, including the fields of vaccine development, tropical diseases, biodefense and emerging infectious diseases, aging, women’s health, translational science and structural biology. Its state-of-the-art core facilities include one of two NIH-funded national biocontainment laboratories (Galveston National Laboratory) with excellent infrastructure to conduct research at BSL2, -3 and -4 on diverse animal models of infectious diseases, as well as arthropod containment facilities to study the transmission of vector-borne diseases. The Department of Microbiology & Immunology, with 36 full-time faculty, is ranked among the top of its peer departments in NIH funding. Interested candidates should apply via the UTMB careers website at https://www.utmb.edu/hr/careers requisition# 2100260.

Each application should include a cover letter, current Curriculum Vitae, and a statement of current and future research interests.

Complete applications should be addressed to: Dr. Tian Wang (ti1wang@utmb.edu) and Dr. Ashok Chopra (achopra@utmb.edu), co-chairs, Faculty Search Committee, Department of Microbiology and Immunology, UTMB.

UTMB Health strives to provide equal opportunity employment without regard to race, color, religion, age, national origin, sex, gender, sexual orientation, gender identity/expression, genetic information, disability, veteran status, or any other basis protected by institutional policy or by federal, state or local laws unless such distinction is required by law. As a VEVRRA Federal Contractor, UTMB Health takes affirmative action to hire and advance women, minorities, protected veterans and individuals with disabilities.
BNU Seeking Top Talents in Systems Science

Beijing Normal University (BNU), as a venerable and dynamic institution, has a long-held tradition of partnering with leading academic institutions from around the world. Noted for its culturally rich and diverse environment, BNU endeavors to become a leader of higher education in China, Asia and even the world.

The School of Systems Science (SSS) at BNU advocates interdisciplinary research in systems science through collaboration with other disciplines in natural, social, technical and economic sciences inside and outside BNU. Having such a uniquely collaborative environment together with outstanding research facilities, SSS aspires to excel internationally in the field of Systems Science.

In 2018, SSS will establish an International Science Center for Complex Systems on the Zhuhai campus of BNU in southern China. This center aims at the frontiers of scientific research and technical innovation, specifically in the formation mechanism of human decision making behavior and its neural mechanism, together with data analysis of human behavior and artificial intelligence (including swarm intelligence). By mobilizing its top experts to lead key research projects in cooperation with talents around the world, this science center is expected to become an international platform for systems science development as well as an interface between academia, industry and governmental authorities.

In order to carry out cutting-edge research in systems science, SSS intends to expand its research team. Its current research portfolio includes, but is not limited to the following fields:

i. The fundamental theories of complex system.
ii. Social and economic system.
iii. The life ecosystem and the self-organizing behavior of brain and cognition.
iv. Multi-agent system and evolutionary algorithm.
v. Information technology of artificial intelligence systems.
vi. The science of science.

I Think the Next Century Will Be the Century of Complexity.

SSS sincerely welcomes famous scholars, academic leaders, promising young scholars and postdocs in interdisciplinary areas of systems science. The applicant is expected to have a doctoral degree in relevant orientation, a solid research foundation and outstanding research findings in the above-mentioned fields, with great potential for being an excellent teacher and tutor, at the same time an excellent team player in interdisciplinary collaboration.

BNU will place each successful applicant in a proper position according to his/her academic background, research interests and teaching plan, and provide him/her with competitive salary, sufficient start-up fund, necessary laboratory and office space, and other reasonable supports. During the employment, BNU will evaluate each faculty member’s capacity and potential and provide the best opportunities for vocational development in line with the international conventions and common practices in academic circles.

Over the years, SSS has made great contributions to the sustainable development of systems science in and outside China. Faced with the complex social and technological challenges, SSS will resume its effort to solve scientific problems in nature and society. By integrating many different yet relevant disciplines and building the international advanced research center of complex systems, SSS strives to cultivate high-level interdisciplinary talents so as to generate new knowledge, new minds, and new technologies that will promote the creation of a shared future for mankind. In time, SSS will become a crucial education and innovation incubator for big data, artificial intelligence, future brain and intellectual education.

SSS cordially welcomes job applicants and visiting scholars with expertise in systems science and related areas. The school also welcomes research and education collaboration from China and the rest of the world.
Science Careers helps you advance your career. Learn how!

- Register for a free online account on ScienceCareers.org.
- Search hundreds of job postings and find your perfect job.
- Sign up to receive e-mail alerts about job postings that match your criteria.
- Upload your resume into our database and connect with employers.
- Watch one of our many webinars on different career topics such as job searching, networking, and more.
- Download our career booklets, including Career Basics, Careers Beyond the Bench, and Developing Your Skills.
- Complete an interactive, personalized career plan at “my IDP.”
- Visit our Employer Profiles to learn more about prospective employers.
- Read relevant career advice articles from our library of thousands.

Visit ScienceCareers.org today — all resources are free
Tenure Track Faculty Position in Catchment Science and Engineering
at the Ecole polytechnique fédérale de Lausanne (EPFL)

The EPFL School of Architecture, Civil and Environmental Engineering (ENAC) invites applications for a tenure track Assistant Professor of Catchment Science and Engineering, located within the Institute of Environmental Engineering (Institut d’ingénierie de l’environnement, IIE).

The professor will be a member of EPFL’s Alpine and Polar Environment Research Center (ALPOLE), based at Sion in the Swiss Canton of Valais. Sion, in the heart of the Swiss Alps, is in close proximity to mountainous zones where effects of climate change on natural and urbanized environments are unmistakable.

Catchments are natural integrators of processes that span a range of scientific disciplines, and occur on multiple spatial and temporal scales. Climate change-induced modifications of catchment hydrology are well established, in contrast to concomitant changes in, e.g., geomorphological, biogeochemical and ecological functioning. Understanding these changes and the linkages between them involves a cross-disciplinary focus on different physical and biological systems occurring in impacted catchments.

We welcome applicants whose vision in catchment research extends across scales and disciplines, using a range of investigative tools including theory, modeling, data science, laboratory experiments and field measurements. As part of ALPOLE, the appointee will have excellent opportunities to work on mountainous and polar environments.

We seek an outstanding individual who will lead an internationally recognized research program that leverages the opportunities offered by EPFL. The professor will be committed to excellence in undergraduate and graduate level teaching, and will contribute to the Environmental Engineering program, which emphasizes basic and translational research as the foundation for environmental adaption and engineering design.

EPFL is a growing and well-funded institution fostering excellence and diversity. It is well equipped with experimental and computational infrastructure, and offers a fertile environment for research collaboration between various disciplines. The EPFL environment is multilingual and multicultural, with English serving as a common interface. EPFL offers internationally competitive start-up resources, salaries and benefits. Besides its main Lausanne campus, EPFL operates antenna sites across Western Switzerland, in Fribourg, Geneva, Neuchâtel and Sion.

The following documents are requested in PDF format: cover letter including a statement of motivation, curriculum vitae, publication list, concise statements of research and teaching interests (up to 5 pages for each) as well as the names and addresses (including emails), of at least three references (contacted for shortlisted candidates).

Applications should be uploaded to the EPFL recruitment web site:
https://facultyrecruiting.epfl.ch/position/28737536

Formal evaluation of the applications will begin on March 1, 2021. The search will continue until the position is filled.

Further enquiries should be made to the Chair of the Search Committee:
Prof. D. Andrew Barry
Director of the Environmental Engineering Institute
E-mail: searchcase@epfl.ch


EPFL is an equal opportunity employer and a family friendly university. It is committed to increasing the diversity of its faculty, and strongly encourages women to apply.

Tenure Track Faculty Position in Environmental Adaptation
at the Ecole polytechnique fédérale de Lausanne (EPFL)

The EPFL School of Architecture, Civil and Environmental Engineering (ENAC) invites applications for a tenure track Assistant Professor of Environmental Adaptation, with an emphasis on cryospheric biosystems, located within the Institute of Environmental Engineering (Institut d’ingénierie de l’environnement, IIE).

The professor will be a member of EPFL’s Alpine and Polar Environment Research Center (ALPOLE), based at Sion in the Swiss Canton of Valais. Sion, in the heart of the Swiss Alps, is in close proximity to mountainous zones where effects of climate change on natural and urbanized environments are unmistakable.

Physical changes (e.g., loss of permafrost) in alpine and polar environments affect adaptive strategies and resilience of cryospheric biological systems. Adaptations can occur across multiple scales, include ecological and evolutionary processes, and influence cryospheric ecosystem functioning. These changes are mediated by biota including microbial communities, fungi and plants, with associated alterations to nutrient and carbon cycling. The appointee will build on state-of-the-art life-science tools to relate climate-induced trends and variability (e.g., temperature and hydrological regime changes) to changes in terrestrial ecosystem biodiversity, productivity and functioning.

We welcome applications from experimentalists (laboratory or field) whose research interests extend across scales, and who employ a range of investigative tools. Rapidly developing laboratory tools ranging from genomics to phenomics will enable new insights into adaptive strategies, and open up research perspectives on metabolism, bioprospection and biotechnology, as well as biosensor development. Of interest also are field studies that utilize traditional and modern approaches (e.g., autonomous sensor networks, data fusion/model integration) to understand ecosystem functioning and services. As part of ALPOLE, the appointee will have excellent opportunities for interdisciplinary collaborations that target mountainous and polar environments.

We seek an outstanding individual who will lead an internationally recognized research program that leverages the opportunities offered by EPFL. The professor will be committed to excellence in undergraduate and graduate level teaching, and will contribute to the Environmental Engineering program, which emphasizes basic and translational research as the foundation for environmental adaption and engineering design.

EPFL is a growing and well-funded institution fostering excellence and diversity. It is well equipped with experimental and computational infrastructure, and offers a fertile environment for research collaboration between various disciplines. The EPFL environment is multilingual and multicultural, with English serving as a common interface. EPFL offers internationally competitive start-up resources, salaries and benefits. Besides its main Lausanne campus, EPFL operates antenna sites across Western Switzerland, in Fribourg, Geneva, Neuchâtel and Sion.

The following documents are requested in PDF format: cover letter including a statement of motivation, curriculum vitae, publication list, concise statements of research and teaching interests (up to 5 pages for each) as well as the names and addresses, including emails, of at least three references (contacted for shortlisted candidates).

Applications should be uploaded to the EPFL recruitment web site:
https://facultyrecruiting.epfl.ch/position/28737537

Formal evaluation of the applications will begin on March 1, 2021. The search will continue until the position is filled.

Further enquiries should be made to the Chair of the Search Committee:
Prof. D. Andrew Barry
Director of the Environmental Engineering Institute
E-mail: searchenvadaptation@epfl.ch


EPFL is an equal opportunity employer and a family friendly university. It is committed to increasing the diversity of its faculty, and strongly encourages women to apply.