The NIH is the center of medical and behavioral research for the Nation—making essential medical discoveries that improve health and save lives.

Department of Health and Human Services
National Institutes of Health

National Institute of Arthritis and Musculoskeletal and Skin Diseases
Director of the Division of Extramural Research

Are you a top-level Scientific Researcher or Scientific Administrator seeking a career at one of the preeminent biomedical research institutes in the nation and world? The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), a major component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is seeking exceptional candidates for the position of Director, Division of Extramural Research (DER). The mission of the NIAMS is to support research into the causes, treatment, and prevention of arthritis and musculoskeletal and skin diseases; the training of basic and clinical scientists to carry out this research; and the dissemination of information on research progress in these diseases. The DER Director position offers an exciting opportunity for scientific and managerial leadership in developing and implementing extramural research programs in support of the NIAMS mission.

Applicants must possess an M.D., a Ph.D., or an equivalent degree in a biomedical or related field. Applicants must have excellent knowledge of the research, advanced principles, theories and practices applicable to arthritis, musculoskeletal and skin diseases. It is critical that the candidate is well versed in research methods, policies and practices related to grants administration. Applicants must be able to serve as a spokesperson for NIAMS research to science and health professionals and the general public. He/she must have proven experience in directing and managing a comprehensive scientific extramural research program with the requisite administrative and interpersonal skills to meet the demands of program direction. Salary is commensurate with experience and accomplishments. For the full list of qualifications, please see the announcement located at: https://www.niams.nih.gov/job-announcement-director-division-extramural-research-0

If you are ready for an exciting leadership opportunity, please see the detailed vacancy announcement at: https://www.niams.nih.gov/job-announcement-director-division-extramural-research-0

Applications will be accepted until May 30, 2019.
Applicants should send an email with attachments to: NIAMSSearch@mail.nih.gov
DHHS AND NIH ARE EQUAL OPPORTUNITY EMPLOYERS.
Postdoc Position in Computational Immunology

A bioinformatic postdoc position is available immediately in the Houston Methodist Hospital Research Institute, which is academically affiliated with the Weill Cornell Medical College of Cornell University. The candidate will perform bioinformatics research in the area of immunotherapy and will jointly work with the immunotherapy lab under the lead of Dr. Qing Yi (https://www.houstonmethodist.org/faculty/qing-yi/) and the bioinformatics lab under the lead of Dr. Kaifu Chen (https://openwetware.org/wiki/Chenlab). Dr. Yi is a leading expert in tumor immunology and immunotherapy for multiple myeloma with over 25 years of NCI funding and publications in leading journals, including Lu et al, Journal of Clinical Investigations 2012; Lu et al, Cancer Cell 2018; Ma et al, Cell Metabolism 2019. Dr. Chen is a computational biologist with research topics covering epigenetics, genomics, cell differentiation, development, and cancer and has high impact publications including: Gu et al, Science 2019; Yu et al, Nature 2018; Park, Nature Genetics, 2018; and Liu et al, Science 2017.

Strong candidates must have a PhD in the area of bioinformatics and computational biology. Experience related to immunology, cancer research, chromatin epigenetics, and post-transcriptional regulation of RNA expression is strongly preferred. Research may entail combining cutting-edge bioinformatics technologies to make biomedical discovery on the basis of next generation sequencing data, or developing new bioinformatics algorithms and statistical methods for these discoveries. Successful candidates will have many opportunities to collaborate with top-tier biologists and physician scientists.

To apply for this position, please send your CV, cover letter or research statement, and information for three or more references to Kaifu Chen (kchen2@houstonmethodist.org) and Qing Yi (qyi@houstonmethodist.org).

Scripps Research

Multiple Postdoctoral Positions Available

Postdoctoral positions are available in Dr. Jiang Zhu’s laboratory for highly motivated candidates who are interested in vaccine development for HIV-1, HCV, Ebola, Zika, Dengue, Flu, RSV, MERS-CoV, Lassa, and other important viral pathogens. Candidates with prior experience in malaria and tuberculosis vaccine development are also encouraged to apply. Dr. Zhu holds a joint appointment in the Department of Integrative Structural and Computational Biology (ISCB) and the Department of Immunology and Microbiology (IMM) at The Scripps Research Institute in La Jolla, CA (https://www.scripps.edu/). Details of Dr. Zhu’s laboratory, ongoing research projects, and recent publications can be found on https://www.jzhu-lab.org.

Potential projects may involve (1) immunological analysis of vaccine-induced response in small animals and non-human primates, (2) antibody isolation using antigen-specific sorting, functional screening of cultured B cells, and antibody library display, (3) protein- and mRNA-lipid formulation development and testing for vaccine applications, (4) structure-based vaccine design with epitope scaffolding, antigen stabilization, and nanoparticle display, (5) structural characterization of antigen-antibody complexes by X-ray crystallography and cryo-electron microscopy (EM). Successful candidates will have a recent Ph.D. in microbiology, immunology, vaccinology, and structural biology. Prior research experience in live virus culture, animal study, antibody isolation will be a plus. Candidates at both junior and senior levels are welcome to apply.

Interested candidates should send an application packet, including all of the following as a single PDF file by email to Dr. Jiang Zhu (jiang@scripps.edu): (1) Cover letter indicating current and future research interest; (2) Expected starting date; (3) Curriculum vitae; (4) Brief summary of previous research experience (2-3 pages); (5) Names and contact information for 3 references.
Faculty Opportunities in Changsha University

Located in the historical and cultural city of Changsha, capital of Hunan Province, Changsha University (CCSU) is proudly designated as application-oriented university in Industry-University Cooperation Program of National “Thirteenth Five-Year Plan”. As one of the few newly authorized universities in Hunan Province to establish postgraduate programs and the only municipal-level university in Changsha City, CCSU enjoys both provincial and municipal funding and is principally directed by municipal administration. Boasting 133 hectares garden-like campus, CCSU runs 16 schools (departments) with 44 undergraduate programs, and attracts 1,029 faculty members and over 14,300 full-time students. With decades of dedication, a multidisciplinary development vision in CCSU has been generally realized, featuring a diverse yet integrated structure including science, engineering, law, management, humanities and arts, which is prominently underpinned by engineering application programs with strong support from programs in cultural creativity and modern service fields. To further pursue excellence in both research and innovation, we earnestly seek for qualified candidates worldwide, offering favorable environment and facilities, internationally competitive salaries and benefits.

Requirements, Remuneration and Benefits

<table>
<thead>
<tr>
<th>Positions</th>
<th>Requirements and Qualifications</th>
<th>Remuneration and Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leading Scholars</td>
<td>Qualified to be listed in “Overseas high-level talents introduction program”, China National Funds for Distinguished Young Talents; professors or scholars with the equivalent academic achievements from elite international universities or institutes; senior technical or managerial specialists from world-renowned enterprises or institutions.</td>
<td>1. Research startup fund: RMB 5,000,000 or above for natural sciences; RMB 1,500,000 for social sciences; 2. Housing allowance: RMB 2,000,000. 3. Annual salary (pre-tax): RMB 1,150,000 or above.</td>
</tr>
<tr>
<td>Academic Leaders</td>
<td>Qualified to be listed in “Overseas high-level talents introduction program” for young professionals, National Science Foundation for Outstanding Youth Program; associate professors or scholars with the equivalent or above academic achievements from elite international universities or institutes; senior technical or managerial specialists from world-renowned enterprises or institutions.</td>
<td>1. Research startup fund: RMB 2,000,000 or above for natural sciences; RMB 800,000 for social sciences; 2. Housing allowance: RMB 1,200,000. 3. Annual salary (pre-tax): RMB 700,000 or above.</td>
</tr>
<tr>
<td>Academic Backbone</td>
<td>Elite Chinese young scholars; assistant professors or scholars with the equivalent or above academic achievements from elite international universities or institutes; intermediate technical or managerial specialists from world-renowned enterprises or institutions.</td>
<td>1. Research startup fund: RMB 1,000,000 or above for natural sciences; RMB 500,000 for social sciences; 2. Housing allowance: RMB 800,000. 3. Annual salary (pre-tax): RMB 500,000 or above.</td>
</tr>
<tr>
<td>Excellent Doctors and Post Doctoral Fellows</td>
<td>1. Post-doctor or Ph.D holder, candidates with consecutively 3+ years of working experience in industries or enterprises related to their research fields . 2. Comparatively strong and promising research capacity.</td>
<td>1. Research startup fund: RMB 50,000-100,000 for natural sciences; RMB 30,000-50,000 for social sciences; 2. Housing allowance: RMB 300,000-600,000. 3. Annual salary (pre-tax): RMB 150,000 or above.</td>
</tr>
</tbody>
</table>

1. Candidates are required to be able to teach in correct and fluent Chinese; 
2. Individual treatment for candidate with outstanding achievements is negotiable; 
3. Special treatment for academic team recruitment is negotiable.

Contact person: Mr Nan，Mr Li 
Telephone: 0731-8426 1360　Mailbox: ccsuhr@163.com　Website: www.ccsu.cn 
Address: No.98 Hongshan Road, Kaifu District, Changsha City, Hunan Province

Recruitment Disciplines

Faculty of Science

The Faculty of Science at the University of Zurich invites applications for an

Assistant Professor Tenure Track in Systematic and Comparative Botany

We seek innovative applicants with a strong record in research; experience in teaching is desirable. Applicants with expertise in plant macroevolution, phylogenomics, comparative morphology, biodiversity-informatics, macroecology, or herbarium genomics are particularly encouraged to apply.

The successful applicant is expected to develop a complementary and independent research program in systematic botany and to acquire external funding. Contributions to the existing undergraduate and graduate teaching efforts in systematics, evolution, and organismic botany will also constitute an integral part of the position. The successful applicant will be located at the campus Botanical Garden of the University of Zurich.

The University of Zurich provides generous research support, including dedicated funds for personnel, running expenses and competitive start-up packages. Zurich’s scientific environment includes a rich spectrum of research activities across the sciences and provides extensive opportunities for collaboration with research groups at the University of Zurich and other leading Swiss research institutions. The Department of Systematic and Evolutionary Botany holds an extensive herbarium being a nationally and internationally significant collection.

The employment conditions for this position follow the legal regulations of the University of Zurich (see www.prof.uzh.ch/de.html), which include part-time options. The University of Zurich is an equal opportunity employer and in particular strives to increase the percentage of women in leading positions (see https://www.mnf.uzh.ch/en/mnf-gleichstellung.html). Therefore, qualified female researchers are particularly encouraged to apply. The city of Zurich combines a stimulating cultural scene in a modern European city with easy access to a beautiful natural landscape.

Academics with the appropriate qualifications are kindly invited to submit their applications including:

- a curriculum vitae
- lists of publications and research funding
- outlines of research and teaching programs
- plans to develop the discipline further (major problems and possible solutions)
- names and contact details of three referees

Please address your application to Prof. Roland Sigel, Dean of the Faculty of Science. Upload your application as a single pdf file to http://www.mnf.uzh.ch/SCB by 31 May 2019.

For further information, please contact Prof. Florian Schiestl at florian.schiestl@systbot.uzh.ch
2020 Vetlesen Prize
Achievement in the Earth Sciences

Call for Nominations

Nominations should be sent prior to 30 June 2019 to:

Sean C. Solomon, Director
Lamont-Doherty Earth Observatory
PO Box 1000
61 Route 9W, Palisades, NY 10964
Tel: 845/365-8546
or via electronic submission to: vetlesenprize@ldeo.columbia.edu

The Vetlesen Prize, established in 1959 by the G. Unger Vetlesen Foundation, is awarded for scientific achievement that has resulted in a clearer understanding of the Earth, its history, or its relations to the universe. The prize consists of a medal and a cash award of $250,000. Nominations are now open for the next prize, which will be awarded in 2020.

The prize is awarded to a single individual, who can reside and work anywhere in the world. The prize is administered by Columbia University's Lamont-Doherty Earth Observatory.

Nomination packages should include at least two letters that describe the nominee's contributions to a fuller understanding of the workings of our planet, along with a one-paragraph biographical sketch and the full curriculum vitae of the candidate.

For more information about the Vetlesen Prize: www.ldeo.columbia.edu/the-vetlesen-prize

Past Vetlesen Laureates

2017 Mark A. Cane, S. George Philander
2015 Sir R. Stephen J. Sparks
2012 Susan Solomon, Jean Jouzel
2008 Walter Alvarez
2004 W. Richard Peltier, Sir Nicholas J. Shackleton
1996 Robert E. Dickinson, John Imbrie
1993 Walter H. Munk
1987 Wallace S. Broecker, Harmon Craig
1981 M. King Hubbert
1978 J. Tuzo Wilson
1974 Chaim L. Pekeris
1973 William A. Fowler
1970 Allan V. Cox, Richard R. Doell, S. Keith Runcorn
1968 Francis Birch, Sir Edward Ballard
1966 Jan Hendrik Oort
1964 Pentti E. Eskola, Arthur Holmes
1962 Sir Harold Jeffreys, Felix Andries Vening Meinesz
1960 W. Maurice Ewing

Rat der Eidgenössischen Technischen Hochschulen
ETH-Rat
Conseil des écoles polytechniques fédérales
CEPF
Consiglio dei politecnici federali
CPF
Board of the Swiss Federal Institutes of Technology
ETH Board

The Paul Scherrer Institute (PSI) is the largest research institute for natural and engineering sciences within Switzerland and employs approximately 2,100 people. Its research focuses on three main subject areas: Matter and Materials, Energy and Environment, and Human Health. As a national user laboratory, PSI develops, constructs and operates complex large-scale research infrastructures. Every year, these unique facilities are used by more than 2,300 scientists from Switzerland and around the world. In addition to its research activities, PSI operates Switzerland’s only proton therapy centre and works closely with the PARK INNOVAARE innovation park, one of the “Switzerland Innovation” sites.

PSI is part of the ETH Domain, which also includes ETH Zurich and EPFL as well as the federal research institutes WSL, Empa and Eawag. The ETH Board is the strategic management and supervisory body of the ETH Domain. The ETH Board is advertising the position of a male or female

**Director of the Paul Scherrer Institute (PSI)**

in line with its mandate. The ETH Board is responsible for proposing a candidate for this position to the Swiss Federal Council. It is expected that the person appointed will hold a dual professorship at ETH Zurich and EPFL.

**Requirements**

You have an internationally recognised scientific track record in one of PSI’s main subject areas, together with a thorough knowledge of the use, preferably also the planning, construction and operation, of large research facilities. As an experienced senior manager in a major organisation – ideally a large-scale international research infrastructure – or else in trade and industry, you have proven your integrative leadership skills. You have good networks inside and outside the scientific community and take an active role in scientific, technological and societal areas of current importance. Given your ability to establish strategic guidelines, you will commit yourself to developing PSI’s future and helping to proactively shape the entire ETH Domain.

You are an open, creative and enthusiastic person, with integrity, a persuasive manner and the ability to make decisions quickly and effectively. Along with your excellent interpersonal skills, you demonstrate assertiveness and an ability to manage conflict. You possess very good communication skills, which you would use both inside and outside PSI, and you understand Switzerland’s political structures, legislative processes and cultural diversity. Finally, you are interested in the wider economic and business context and have a good command of German and English, and preferably also a knowledge of French. You are willing to hold office for at least two terms of office (i.e. eight years). The successful candidate will be expected to take up this appointment at the start of 2020.

**Applications**

Please send your complete application to Paulscherrer@egonzehnder.com. Egon Zehnder is assisting the ETH Board in its preparations for the selection process. The interim President of the ETH Board, Beth Krasna, will be pleased to provide further information (phone +41 79 447 84 75, beth.krasna@bethrat.ch). All applications received by 28 May 2019 will be considered in the selection process. Your data will be treated in strict confidence. It 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.