ASSOCIATE PROFESSOR OF TERRESTRIAL REMOTE SENSING
Geospatial Sciences Center of Excellence
South Dakota State University

The Geospatial Sciences Center of Excellence seeks a person with research experience and teaching interests focused on remote sensing science and applications with expertise in one or more of these focal areas: land cover and land use, agriculture, hydrology, and biogeochemistry. This 12-month position is funded by state funds and carries a workload of 80% research, 10% teaching, and 10% service. Responsibilities include securing externally funded research grants, recruiting and mentoring doctoral students and post-doctoral researchers, and delivering one graduate course per year. Minimum qualifications include an earned Ph.D. degree in an appropriate field with a background in remote sensing; minimum of five years’ experience conducting externally funded research; scholarly activity, including collaborative research and peer-reviewed publications as first author; and a demonstrated ability to communicate effectively. A record of sponsored research, experience with geospatial technologies and satellite products, and experience mentoring students and staff are desired qualifications. For questions on the position, contact the search committee chair, Dr. David Roy via email at (605) 688-5382 or david.roy@sdstate.edu. Application deadline is November 3, 2016. To view a full position description and to apply, visit website: https://yourfuture.sdor.edu/applicants/Central/QuickFind=00522, and click on “apply for this posting.” For questions on the employment process, contact SDSU Human Resources at (605) 688-4128. SDSU is an AA/EOE Employer. Men, women, minorities, veterans, and persons with disabilities are encouraged to apply.

FACULTY POSITION(S) IN HEALTH DISPARITIES IN CANCER RESEARCH PROGRAM
The Mitchell Cancer Institute at the University of South Alabama (USACI) is recruiting faculty at the junior and mid-career stage for its newly developed research program in “Cancer Health Disparities”. This program will broaden the institute’s overall expertise and competencies, and expand research programs at USACI. Interested applicants, who are already conducting cancer health disparities research or plan to use their basic and translational research skills to expand their portfolio into this exciting and much needed area of research, are encouraged to apply. Candidates with a track record of independent funding and publications in high impact journals will be given the highest consideration. Successful candidates will be expected to run a vibrant collaborative program supported by external funding. A competitive salary and research start-up package will be provided. Position(s) will be within the Department of Oncologic Sciences, Mitchell Cancer Institute at the University of South Alabama and are tenure-track.

To apply, please send your curriculum vitae, a brief summary of your research plans, and three letters of recommendation to: Ajay P. Singh, PhD; Professor of Oncologic Sciences & Head, Health Disparities in Cancer Research Program, Mitchell Cancer Institute, 1660 Springhill Avenue, Mobile, AL 36604 or by email to dkeasler@health.southalabama.edu. Applications will be reviewed and evaluated on an ongoing basis. The University of South Alabama is an Equal Opportunity Employer-Minorities/Females/Veterans/Disabled.

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Completed applications for Carnegie fellowships should be submitted by November 30, 2016.

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242 14 OCTOBER 2016 • VOL 354 ISSUE 6309
Wales may be small but it has big plans for science. New initiatives to fund over 100 new fellowships and hire up to 30 top scientists, combined with infrastructure investments in the physical sciences, are turning Wales into a land of opportunity. **By Gunjan Sinha**

**World-class brain imaging at Cardiff**

At Cardiff University, the goal of close industry collaboration has morphed into a new physical space: the £300 million (US$393.6 million) Innovation Campus. The campus, which is being constructed in phases, aims to bring business development staff on hand to assist with access to university research, facilities, and services. It will feature social networking and creativity spaces to encourage problem solving, open innovation, and collaboration. The campus will house other research facilities in the future, and is already home to the Cardiff University Brain Research Imaging Centre (CUBRIC)—a £44 million (US$58.3 million) facility financed by a combination of public funds and charitable trusts.

Among its five new scanners, CUBRIC boasts Europe’s most powerful microstructural brain scanner, the Siemens 3 Tesla Connectome magnetic resonance imaging (MRI) system, a specially adapted MRI scanner of which there is only one other in the world, located at Harvard University in the United States. Because its powerful technology can measure microstructural features in the brain, such as...

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**Upcoming Features**

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the diameter of nerve cell axons, it enables researchers to answer entirely new questions, says CUBRIC director Derek Jones.

“Rather than merely brain mapping, we can start to address more biologically specific questions like, “How do individual differences in axon diameter correlate with differences in impulsivity?”” he says.

Jones arrived at Cardiff in 2006 as codirector of CUBRIC. His job was to establish a neuroimaging research program where none existed. A medical physicist by training, Jones had the good fortune to work alongside two other physicists with complementary backgrounds. Together they came up with the idea and a business plan for establishing a new, comprehensive neuroimaging research center at Cardiff. The proposal dovetailed nicely with Wales’ greater science agenda to establish itself as world class in a few key areas. “I think they were excited at the vision of the university having something genuinely unique,” Jones recalls. Their plan was approved. The new CUBRIC boasts a combination of imaging equipment that is unique in all of Europe.

Anyone can approach the center with a research proposal, says Jones, and it will work with both academics and industry partners on brain stimulation technologies, including pharmaceutical companies investigating the effects of experimental medicines. Jones’s own research employs the center’s equipment to achieve the best estimates of myelination, axon characteristics such as density and diameter, and brain connectivity. He then uses that information to understand individual differences in brain electrophysiology and cognition. A recent experiment, for example, showed that six weeks of cognitive training could produce detectable differences in brain microstructure.

Translating research at Swansea

At Swansea, much of the research for Sêr Solar (funded under Sêr Cymru) is focused on commercialization. Durrant and his colleagues at Imperial’s Centre for Plastic Electronics are working on developing and understanding new ink-based coatings that can be printed onto surfaces as semiconductor materials in order to capture solar energy. Researchers at Swansea, in collaboration with industry, are taking these printable materials and focusing on the challenges of scalability and stability to develop new classes of solar cells. “The vision is to print the ink directly onto roofing products,” he says.

Durrant is an academic at heart. “I’d love my research to be useful,” he says, “but I’m not very good at applying it.” At Swansea he can concentrate on basic research, while others working alongside him can develop applications. He points out that the CEO of SPECIFIC previously worked in the steel industry. “That type of industrial perspective permeates the culture of SPECIFIC, and so you have a huge drive to turn science into practical applications. I’m happy to be involved,” adds Durrant.

A pilot plant for the coated roofing has already been built at the Innovation and Knowledge Centre—located about 16 km (10 miles) away from Swansea University’s Singleton Park campus. The £20 million (US$26.5 million), five-year SPECIFIC project will develop coated steel and glass products to incorporate into new and existing buildings, enabling walls and roofs to generate, store, and release energy. Such coatings on buildings could reduce the United Kingdom’s CO₂ output by millions of tons a year. The project is a partnership that in addition to Swansea, involves several universities including Imperial College, Bangor, and Cardiff, as well as multinational companies such as Tata Steel and BASF International.

Swansea University recently expanded and in 2015 opened its Bay Campus, a £450 million (US$580.6 million) science and innovation space situated on a 65-acre beachfront site not far from the Singleton Park Campus. The campus currently hosts the College of Engineering and the School of Management and boasts a hall that seats 800, an extensive library, and student housing, among other amenities. The multipartner, public-private project was largely funded by the university and the Welsh Government through the European Regional Development Fund.

Wales builds strength in environmental science

In striving for excellence in select areas, Wales is following a tried and tested recipe. Chris Thomas came to Aberystwyth University in 2007 to help build up the Institute of Biological, Environmental and Rural Sciences (IBERS). Thomas is a wildlife biologist by training, but he now uses technology such as satellite remote sensing and software applications such as geographic information systems to model vector disease transmission. “I was attracted to Wales by the big investment in environmental and agricultural studies,” Thomas says. “We are very proud of what’s gone on there.”

In 2013, Thomas was appointed Pro Vice-Chancellor of Research at Aberystwyth. His primary goal is to ensure the success of the current science strategy. With translational research high on the agenda, Thomas is also overseeing the conception and construction of the new £40.5 million (US$53.6 million) Innovation and Enterprise Campus at Aberystwyth, which will focus on agricultural innovation. The university is already world renowned for research in pasture-based agriculture, which encompasses many areas including grass breeding, nutritional characterization of different grass breeds, and the use of different plant species in applications ranging from flood control to altering the nutritional value of meat and milk via the grasses animals eat.

Through the £7 million (US$9.2 million) Sêr Cymru National Research Network for Low Carbon, Energy and Environment—one of the three grand challenge areas—Welsh universities hope to capitalize even more on their expertise in pasture-based agriculture. The network encourages interdisciplinary research across departments and universities, so that environmental scientists collaborate with energy scientists, for example, and architects with plant scientists, says David Thomas, director of the Bangor University-based network. “The network has been the catalyst to bring them into the same room,” he adds. “It encourages collaborations to be more innovative.”
The collaborative environment is what Rosalind Dodd enjoys most about working in the network. “We’ve got some great researchers who are very engaged and great to work with,” she says. Dodd came to Bangor University in January after completing a postdoc at the University of Arkansas in the United States. She found the work in Arkansas interesting, but wanted “something more ambitious in terms of size and scope.” Dodd is part of a cluster within the network focused on smart grass: Her group studies the impact of extreme weather on different varieties of grass and the ecosystem. The research will become important across agricultural regions, she says, as climate change is expected to increase the frequency of extreme weather events around the world.

A sustainable future built on strong science

Agriculture has and continues to make up a major share of Wales’ economy—support for research in this area continues to be strong. Wales’ science agenda is not only driven by its existing strengths in the life sciences, but also by a vision of where it wants to go. “Wales is trying to brand itself as a sustainable nation,” says Allen. “It defines the sort of Wales we want to be.”

Population growth, climate change, environmental destruction, and aging populations are global challenges. There is a widespread belief that only science and technology can provide solutions to these potentially catastrophic societal and environmental issues. Wales isn’t the only country investing in the science of sustainability—but it has found niches in which it either already excels or has the potential to shine.

The country’s recent capacity-building initiatives are not arbitrary. The Welsh Government’s Sêr Cymru program was largely based on studies showing that Welsh universities were not winning the percentage of competitive Research Councils UK grants commensurate with the size of the Welsh population (5% of the UK total). Evidence gathered by Peter Halligan, chief executive of the Learned Society of Wales, showed that the problem lay not in the quality of science but rather in the number of researchers. Wales has had a deficit of researchers—over 600 fewer relative to its population than Scotland, for example. Among the largest deficits have been researchers in science, technology, engineering, mathematics, and medicine—areas largely funded by high-spending agencies such as the Medical Research Council and the Engineering and Physical Sciences Research Council.

Despite this workforce deficit, Welsh science overall now outperforms many other similarly small countries such as Norway, Ireland, and New Zealand, according to commonly used measures of efficiency and science quality. Using field-weighted citation impact (a recognized measure of mean citations per article, normalized for subject field), Wales’ citation impact increased from 39% above the world average in 2004 to 68% in 2014. Citations per Welsh researcher also moved from an average of 7.6 in 2007–2011 to 9.6 in 2014—“that’s two percentage points above the UK average,” says the Learned Society of Wales’ Halligan. As Wales’ first national academy, the Learned Society of Wales—established in 2010—brings together the nation’s most successful and talented fellows to advance and promote research excellence in all scholarly disciplines.

Halligan’s research provided valuable support for extending Sêr Cymru into its second phase. Sêr Cymru II is a suite of schemes partly funded by the European Commission through the Horizon 2020 Marie Skłodowska-Curie Actions COFUND scheme, or by the Welsh European Funding Office through the European Regional Development Fund. In addition to funding fellowships and promising scientists, Sêr Cymru offers 12 additional fellowships to scientists returning to their fields after a long absence.

The level of government commitment has made a powerful impression on researchers. “I have been stunned at how accessible the leadership in Cardiff has been to me,” Durrant says. “Wales has the level of political engagement and the determination to focus their resources that is creating really world-class centers.”

Welsh universities also provide other perks that go beyond the quality of their science offerings. “People are very open and relaxed when talking about ideas,” says Dodd. “They don’t seem to worry about how they are going to be perceived.” This sentiment was echoed by Jones: “This university is the most collegial place I’ve ever worked.”

And contrary to the stereotypical view of a small institution being a professional handicap, “I haven’t needed to be in a large institution to be a successful scientist,” says Bangor University’s Thomas, who has been in Wales for over 20 years. Also worth mentioning is the proximity to ocean, mountains, and other natural beauty that together, says Thomas, make Wales “a blindingly good place to live.”

Günjan Sinha is a freelance writer living in Berlin, Germany.

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- Aberystwyth University
  - www.aber.ac.uk
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  - www.bangor.ac.uk
- Cardiff University
  - www.cardiff.ac.uk
- CUBRIC
  - sites.cardiff.ac.uk/cubric
- Higher Education Funding Council for Wales
  - www.hefcw.ac.uk/home/home.aspx
- Swansea University
  - www.swansea.ac.uk
- Institute of Biological, Environmental and Rural Sciences
  - www.aber.ac.uk/en/ibers
- Learned Society of Wales
  - www.learnedsociety.wales
- National Research Network for Low Carbon, Energy and Environment
  - www.mrn-lcee.ac.uk
- SPECIFIC
  - www.specific.eu.com
- Institute of Biological, Environmental and Rural Sciences at Aberystwyth University

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**Additional Reading**

Do you have a passion for cutting-edge biodiversity science and making a real-world impact?

The California Academy of Sciences seeks three outstanding Ph.D. scientists focused on changing the world through biodiversity/ecological science, broader science communication, increasing diversity in science, and connecting their work to real-world sustainability outcomes. This year, we seek candidates working in biological or physical anthropology, herpetology, and the botany of western North America.

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For further details, see http://calacademy.snaphire.com/home?source=CAS. Review of complete applications will begin November 14, 2016. Interviews will be held spring 2017.

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Application deadline: December 01, 2016

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Interested candidates are requested to submit a cover letter and current Curriculum Vitae to the email address below for consideration to:

Committee Chair
Jerome Ritz, MD, Dana-Farber Cancer Institute
jerome_ritz@dfci.harvard.edu

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[Application Conditions]
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Applicants can access the online application system found at [http://survey.sysu.edu.cn/en], provide the information as required on the web page, and submit it. To check whether or not you have been invited, you will receive an email with results by December 9. The applicants who have received an invitation and intend to attend the forum should fill in the confirmation note within a week upon receiving the invitation.

[Travel and Accommodation Arrangements]
Meals and accommodation will be arranged by the organizer, and travel subsidies will be provided as well.

[Contact]
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Fax: 86-20-84115959
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Located in the Longgang District of Shenzhen, The Chinese University of Hong Kong, Shenzhen (CUHKSZ) is a research-intensive university, established in 2014 through a mainland-Hong Kong collaboration with generous support from the Shenzhen Municipal Government. It inherits the fine academic traditions of The Chinese University of Hong Kong and will develop its academic programmes in phases and offer courses in Science and Engineering, Management, Economics, and Humanities and Social Science. The language of instruction will be in both English and Chinese, and the students will receive degrees of The Chinese University of Hong Kong.

[POST SPECIFICATION]
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Junior applicants should have (i) a PhD degree (by the time of reporting for duty) in related fields; and (ii) high potential in teaching and research. Candidates for Associate and Full Professor posts are expected to have demonstrated academic leadership and strong commitment to the highest standards of excellence. Appointments will normally be made on contract basis for up to three years initially, leading to longer-term appointment or tenure later subject to review. Exceptional appointments with tenure will be considered for candidates of proven ability.

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The Department of Physics and Astronomy at the University of Tennessee Knoxville invites applications for a tenure-track faculty position at the rank of Assistant Professor in the field of Experimental Low Energy Nuclear Physics (LENP). The successful applicant will have a PhD in Physics or related field, several years of post-PhD experience, and a strong research record in Experimental LENP as evidenced by a publication record. The candidate is expected to define a vital program in nuclear structure, reactions, and/or nuclear astrophysics that will attract independent external research funding and provide state-of-the-art training for graduate students and postdoctoral researchers.

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The experimental LENP group at the University of Tennessee, Knoxville (UT) leads experiments at user facilities in the US, and worldwide, using decay and low-energy nuclear reaction techniques to study the structure of the atomic nucleus and its interactions, particularly those relevant to element production through the astrophysical r- and rp-processes. This research is strongly aligned with the program of the Facility for Rare Ion Beams (FRIB). Our group has led the development and construction of the Versatile Array for Neutron Detection at Low Energies (VANDeL) and the Hybrid Array for Gamma Ray Detection (HAGRID) and is at the cutting-edge of developments with digital data acquisition used for decay and reaction studies. UT is a key member of the Center of Excellence for Radioactive Ion Beam Studies for Stewardship Science, funded by the National Nuclear Security Agency, and maintains significant funding from the DOE Office of Science. UT has an established partnership with Oak Ridge National Laboratory (ORNL) through the Joint Institute for Nuclear Physics and Applications. The successful candidate is expected to strengthen the UT LENP group and will be encouraged to explore research opportunities at the future FRIB facility. This appointment is expected to begin August 1, 2017.

The University welcomes and honors people of all races, creeds, cultures, and sexual orientations, and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. Applicants should send a cover letter, CV, list of publications, a description of teaching and research experience, and their proposed research program, to provide training for graduate students and postdoctoral researchers.

Applicants should send a single PDF containing a cover letter, CV, list of publications, and a description of teaching and research experience, and their proposed research program, to ion.chemistry.utk.edu. Direct further inquiries to Dr. Barry D. Bruce, (865-974-4082; bbruce@utk.edu). Review of applications will begin on November 15, 2016 and continue until the position is filled.

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SYNTHETIC ORGANIC OR POLYMER CHEMISTRY

The Department of Chemistry at The University of Tennessee at Knoxville invites applications for a tenure-track faculty position in the area of Synthetic Organic or Polymer Chemistry, broadly defined, with an anticipated start date of October 15, 2017. Ideally, the applicant’s proposed research program will augment existing expertise in the department. The position will be at the rank of Assistant Professor and requires a Ph.D. degree in chemistry, or a closely related field, and at least one year of post-doctoral research experience. Successful candidates are expected to develop an internationally recognized research program that complements existing areas of research and contribute to the department’s teaching and service missions. Interested applicants should submit a cover letter, CV, description of proposed research, and teaching philosophy as a single pdf document to organicpolymersearch@ion.chemistry.utk.edu. Furthermore, applicants should arrange for three letters of recommendation to be sent to the same email address. Review of applications will begin on November 15, 2016 and continue until the position is filled.

The Department is in a vigorous growth phase and currently consists of 28 faculty members, 130 graduate students, and 220 chemistry majors. The Department offers excellent support facilities including five NMR spectrometers (solution and solid state), four mass spectrometers ranging from walk on to proteomics instruments, a Raman spectrometer, powder and single crystal X-ray diffractometers, and a state-of-the-art laboratory. A competitive start-up package will be provided to continue until the position is filled.

The University of Tennessee, Knoxville, is Tennessee’s flagship state research institution, a campus of choice for outstanding undergraduates, and a premier graduate institution. Knoxville is the gateway to multiple beautiful and historically significant National Park Service destinations, including the Great Smoky Mountains NP and the Big South Fork NRA. East Tennessee offers a blend of convenient urban and rural living settings with easy access to the Appalachian Mountains, 1,000 acres of trails in the Great Smoky Mountains National Park, and diverse cultural opportunities. Downtown Knoxville is a thriving neighborhood adjacent to campus, filled with restaurants, shops, indoor and outdoor entertainment venues, and is a musical mecca with Tennessee Shines, the Big Ears Music Festival, Knoxville Symphony & Opera, Jazz on the Square, Alive at Five, and other events.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADEA/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

ASSISTANT/ASSOCIATE PROFESSOR
STRUCTURAL BIOLOGY/BIPHYSICS POSITION

The Biochemistry & Cellular and Molecular Biology Department (BCMB) at the University of Tennessee at Knoxville (UT) is soliciting applications for a full-time, tenure-track position at the rank of ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR to begin August 1, 2017. The BCMB Department (https://bcmb.utk.edu) has 40 active faculty with core strengths in structural/computational biochemistry & biophysics, plant/microbial biology, and developmental genetics. We seek applicants who use modern structural or biophysical approaches to study complex cellular, sub-cellular, or molecular systems. These approaches may include but are not limited to NMR, cryo-electron microscopy, single-molecule biophysics/optical spectroscopy, neutron/X-ray crystallography/scattering, and NMR. These approaches should be applied to explore the fundamental molecular, cellular, or physiological nature of complex systems that may include macromolecular complexes, biomembranes, organelles, and nanomachines. The candidate will be required to develop an innovative and externally funded research program that complements existing areas of computational and experimental biochemistry within the BCMB. UT is located near Oak Ridge National Laboratory (ORNL) and candidates interested in applying collaborative joint research programs in biophysics and structural biology with ORNL are particularly encouraged to apply http://web.ornl.gov/sci/ees/bsd/index.shtml.

Applicants must have a Ph.D. and postdoctoral experience in an appropriate discipline with evidence of high quality research and the interest/ability to teach biochemistry and/or physical biochemistry plus graduate courses in their area.

The University welcomes and honors people of all races, creeds, cultures, and sexual orientations, and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. Applicants should send a single PDF containing a cover letter, curriculum vitae, current and future research interests with funding prospects, and statement of teaching philosophy to experimentalbio@utk.edu. Following initial review, the top applicants will be contacted and requested to arrange three letters of recommendation to be sent electronically to bcmbreferences@utk.edu. Direct further inquiries to Dr. Barry D. Bruce, (865-974-4082; bbruce@utk.edu). Review of applications will begin on November 4, 2016 and continue until the position is filled.

ASSISTANT PROFESSOR
THEORETICAL BIOPHYSICS

The Department of Physics and Astronomy at the University of Tennessee (UT) invites applications for a tenure-track faculty position at the rank of Assistant Professor in the field of Theoretical Biophysics. Candidates should have a PhD in Physics or another field closely related to Physics. The candidate is expected to have a strong research record in Theoretical Biophysics and is expected to develop a first-class, externally funded research program, to provide training for graduate students and postdoctoral researchers, and to contribute to the teaching mission of the department at both the undergraduate and graduate levels. The preferred expertise of the candidate should be in the broad area of Soft Matter Physics applied to living systems, including but not limited to non-equilibrium statistical mechanics, cellular biomechanics, multi-scale molecular dynamics and Monte Carlo simulations, and polymer physics. A strong interest in interacting with ongoing programs at UT, such as computational physics and theoretical condensed matter physics research, is highly desirable. The appointment is expected to begin August 1, 2017.

The successful candidate will benefit greatly from available computational resources, the location on campus of the National Institute for Mathematical and Biological Synthesis (NIMBioS), and by the proximity to unique research facilities at Oak Ridge National Laboratory, including the Joint Institutes for Computational Sciences, Biological Sciences, Advanced Materials, and Neutron Sciences.

The University welcomes and honors people of all races, creeds, cultures, and sexual orientations, and values intellectual curiosity, pursuit of knowledge, and academic freedom and integrity. The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. Applicants should send a CV, list of publications, a description of research and teaching experience, a proposed research program, and also arrange for at least three letters of reference to be submitted separately. All application materials should be submitted on-line at https://apply.interfolio.com/36843. Only electronic applications will be considered and acceptable file formats are .pdf or .docx. To guarantee consideration please submit all materials by December 1, 2016.
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FROM THE JOURNAL SCIENCE - AAAS
Call for Application
JAXA International Top Young Fellowship (ITYF) 2016

ITYF application
The Japan Aerospace Exploration Agency (JAXA) International Top Young Fellowship (ITYF) invites world’s top-level young researchers to work at the Institute of Space and Astronautical Science (ISAS)/JAXA for 3 years. In addition to producing outstanding academic achievements in their areas of specialization, ITYF fellows are expected to contribute to creating new academic trends in collaboration with researchers inside and/or outside ISAS. An excellent remuneration package is offered, including research budget (including travel expense) so that the fellow can extend their international profile, as well as developing collaborations within Japan.

The application deadline: 23:59 (JST), November 27, 2016

Please see the below link for further details.
http://www.isas.jaxa.jp/e/researchers/young-fellowship/appl.shtml

Contact Information
E-mail:ITYF_ADMIN@jaxa.jp

ADDELPHI UNIVERSITY
www.adelphi.edu

ASSISTANT PROFESSOR
Tenure-Track, Biology
Adelphi University invites applications for a tenure-track position for an organismal physiological to begin fall 2017. A Ph.D. is required and postdoctoral experience is highly preferred. Academic training would include undergraduate and graduate physiology, human anatomy & physiology and could include courses such as animal behavior, pathophysiology for nursing students, introductory biology, and/or additional specialty courses. The successful applicant will have a commitment to teaching students from diverse cultural backgrounds and excellent potential as a teacher, plus a record of significant research accomplishment and the potential to develop a fundable independent research program involving undergraduate and master’s students.

For more information about the department, visit
http://academics.adelphi.edu/artsci/bio/. We are strongly committed to achieving excellence through cultural diversity. Adelphi is a private university with the spirit of a liberal arts college, committed to combining teaching and scholarship, and located in suburban Long Island within easy reach of New York City. More detailed descriptions of the position and application are available through www.adelphi.edu/positions/faculty.

Deadline for applications: November 15, 2016.

Adelphi University is an equal opportunity/affirmative action employer committed to building a diverse workforce and strongly encourages applications from women, under-represented groups, members of the LGBT community, people with disabilities and veterans.

Four Tenure-Track Professors
Division of Nutritional Sciences

The Division of Nutritional Sciences at Cornell University is hiring four tenure-track Professors. These positions are fully-funded, nine-month appointments with excellent benefits.

The Division of Nutritional Sciences is a broadly based interdisciplinary unit that integrates theories and methods from across many academic disciplines to understand the complex relationships among biology, nutrition, food systems and lifestyle patterns, social and institutional environments and governmental policies in human health.

Candidates are expected to demonstrate promise for/or to already have vibrant, independent and extramurally-funded research programs, to bring their unique expertise and perspectives to the Cornell curriculum for graduate and/or undergraduate education, and to mentor graduate students in the Field of Nutrition and other fields at Cornell University.

Review of applications and interviews will occur on a rolling basis until these positions have been filled.

Assistant Professor of Public Health and Community Nutrition
https://academicjobsonline.org/ajo/jobs/8070

Candidates should have experience in interdisciplinary research at the interface of food, human nutrition and public health, and demonstrated expertise in social and behavioral sciences, community-based interventions, policy and/or dissemination or implementation research. Demonstrated research excellence in areas of interest include, but are not limited to, nutrition and public health, community intervention, social determinants of health, and health disparities. Research excellence should be demonstrated through publications in journals and authored books. Scholarship related to nutrition and public health should be central to the candidate’s research program.

Assistant Professor of Molecular Nutrition and Metabolomics
https://academicjobsonline.org/ajo/jobs/7327

Candidates should have experience in the development and use of metabolomics and related biomarkers of human metabolism, nutritional status and/or dietary exposure, and demonstrated expertise in metabolomics studying human metabolism and/or related model systems, and an interest in understanding the relationships among metabolism, nutritional status and human health. Areas of expertise include, but are not limited to analytical chemistry/biochemistry, mass spectrometry, systems biology, and/or genomics/metabolomics. Research areas of interests include, but are not limited to, the study of biomarkers of human metabolism, human disease, nutritional status or dietary exposure and/or the role of essential and/or non-essential bioactive food/plant components in human health.

Assistant, Associate or Full Professor in Global Health and Nutrition
https://academicjobsonline.org/ajo/jobs/7319

Candidates should have experience in interdisciplinary research in global health and nutrition and an interest in studying the biological and/or social dimensions of nutrition in human populations. Areas of expertise include epidemiology and intervention targeting and evaluation. Scholarship related to nutrition and human health, in the broadest sense, should be central to the candidate’s research interests. Demonstrated research excellence in areas of interest include, but are not limited to, maternal and child nutrition, obesity and chronic disease prevention, and food systems for health and nutrition disparities. This position is aligned with University initiatives in big data, information sciences, and global and public health. The qualifications of the candidate will determine the rank of appointment.

Assistant, Associate or Full Professor of Functional Mouse Genomics
https://academicjobsonline.org/ajo/jobs/7028

Candidates should have experience in metabolism, cell biology, genetics, biochemistry, developmental biology and/or experimental genomics with an interest in exploring the interactions among nutrients, metabolism and the genome in health and disease. Research areas of interest include energy metabolism, systems biology, stem cells, mammalian developmental and metabolic programming, epigenetics and/or complex metabolic diseases. Preference will be given to candidates with expertise in mouse models. Research excellence should be demonstrated by the existence or potential for building an active, externally-funded research program as well as a strong record of publication in recognized journals. Scholarship related to nutrition and human health, in the broadest sense, should be central to the candidate’s research program. The qualifications of the candidate will determine the rank of appointment.

Please visit http://www.human.cornell.edu/dns/jobopenings.cfm for more information on the Division of Nutritional Sciences and to access full descriptions.

Candidates are required to apply through Academic Jobs Online and upload a cover letter, CV, research statement and a teaching statement. Applicants must also arrange to have three confidential letters of recommendation submitted through Academic Jobs Online.

Diversity and Inclusion are a part of Cornell University’s heritage. We’re an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.
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Assistant Professors (Tenure Track) of Computer Science

The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for assistant professorships (tenure track) with focus on the following broad areas within computer science. For each area, several possible examples (not exhaustive) of expertise are provided.

- Programming Languages and Software Engineering [language design and implementation, testing and debugging, compilers and language runtimes, programming models, dynamic languages]
- Robotics and Cyber-physical Systems [artificial intelligence, human-robot interaction, planning and control, virtual/augmented reality, internet of things, embedded systems, data acquisition systems]
- Data Science [machine learning, language/media processing, data privacy, medical applications, data centers architecture and management, programming and runtime platforms for data centers and cloud computing]
- All other areas in Computer Science [while there is focus on the three areas above, ETH Zurich is broadly looking in all areas]

Please only apply for one of the above four areas as all applications will be jointly reviewed.

Applicants should be strongly rooted in computer science, have internationally recognized expertise in their field and pursue research at the forefront of computer science. Successful candidates should establish and lead a strong research program. They will be expected to supervise doctoral students and teach both undergraduate and graduate level courses (in German or in English). Collaboration in research and teaching is expected both within the department and with other groups of ETH Zurich and related institutions.

Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities. For candidates with exceptional research accomplishments, applications for a tenured associate or full professorship will also be considered.

Please apply online (application period starts on 31 October 2016) at: www.facultyaffairs.ethz.ch

Applications include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, the names of three references, and a description of the three most important achievements. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Lino Guzzella. The closing date for applications is 15 December 2016. ETH Zurich is an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. We specifically encourage women to apply.

THE UNIVERSITY OF MINNESOTA seeks candidates at the tenure-track (Assistant Professor) or tenured (Associate or Full Professor) level for appointment in the Department of Neuroscience within the Medical School (see www.neurosci.umn.edu). Candidates with research programs in the broadly-defined field of neuroscience will be considered; though the primary goal of this appointment is to augment and complement existing departmental strengths (e.g., neurodegenerative disease, neuronal-glial interactions, neurobiology of pain, complex cognitive processes). Faculty will be expected to participate in our vigorous Graduate Program in Neuroscience, as well as in other interdisciplinary graduate programs at the University of Minnesota (www.neuroscience.umn.edu). Faculty will have access to exceptional core facilities in magnetic resonance and optical imaging, genomics and proteomics, and behavioral phenotyping. Also, there are numerous opportunities to participate in outstanding centers including the Institute for Translational Neuroscience, Center for Neuroengineering and Center for Immunology.

The University of Minnesota is a land-grant institution, enjoying generous state support for research initiatives. The University is committed to the success and retention of its faculty and offers excellent benefits. Quality of life in the Twin Cities is also exceptional. The Twin Cities ranked first in 2015 as a place to live (Patch of Earth), is also one of the greenest cities in the US (Wallet Hub), best cities for foodies (Travel and Leisure), and best cities for biking (Forbes), walkability and public transportation (bestcolleges.com).

The University of Minnesota is committed to the development of a diverse workforce. The Department of Neuroscience therefore actively encourages applications from an inclusive group of candidates that furthers the goal of increasing the representation of women and members of groups underrepresented in science within our faculty.

At the tenure-track level of appointment, candidates are expected to have doctoral and postdoctoral training in the neuroscience, and to develop a nationally recognized and extramurally-funded independent research program. Appointment at the tenured level requires demonstrated independence and research productivity, including a strong track record of major external funding and quality publications in peer-reviewed journals. Salary, start-up funds and research space are competitive and commensurate with education and experience.

Candidates must have a PhD and/or MD degree and must be US citizens or must be able to secure permanent resident status. The Minneapolis campus of the University of Minnesota – Twin Cities is an urban campus overlooking the Mississippi River and houses many colleges in addition to the Academic Health Center, which includes the Medical School. The starting date is negotiable with appointment available as early as July 1, 2017.

Review of applications will commence December 1, 2016 and continue until the position is filled. Those seeking a position at the Assistant Professor level should send a current curriculum vitae, statement of research interests and intentions, and three letters of reference to the Neuroscience Faculty Search Committee. Those looking at the Associate or Full Professor levels should send a current curriculum vitae, statement of research interests and intentions, and the names of three individuals to provide letters of reference to: Neuroscience Faculty Search Committee, Attention: Ms. Kathleen Beterans, Department of Neuroscience, University of Minnesota, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455 USA or electronically by e-mail to kbeteram@umn.edu. Applicants also need to complete the online application at http://www1.umn.edu/ohr/employment/index.html. Those seeking a position at the Assistant Professor level can find the application by searching for requisition #313006 under key words. Those looking at the Associate or Full Professor levels can search for requisition #313075.

As an Equal Opportunity Educator and Employer, the University of Minnesota is committed to attracting and retaining employees with varying identities and backgrounds. To learn more about diversity at the University of Minnesota visit https://diversity.umn.edu/.