



Faculty Positions

Center for Condensed Matter Sciences National Taiwan University

Center for Condensed Matter Sciences, as a premiere research center at National Taiwan University, has immediate openings for tenure-track faculty positions. Rank of faculty positions will match the candidate qualifications. Applicants with excellent credentials in cutting edge condensed matter research fields, such as emerging materials or advanced spectroscopic and microscopic techniques, in both fundamental and applied aspects, will be considered.

Applicants should send resume, publication list, research plans, and three letters of recommendation to:

Director, Prof. Li-Chyong Chen	Center Assistant: Wei-Lin Chou
Center for Condensed Matter Sciences	Email: cwli1828@ntu.edu.tw
National Taiwan University	Phone: (02) 3366-5201
Taipei 106, Taiwan	Fax: (02) 2365-5404

Closing date for applications is August 15, 2014.



AMBER Director (Academic Director)

Full Professor (Permanent)

Trinity College, the University of Dublin is seeking a research leader of international standing to appoint to the position of AMBER director.

AMBER is a new and national centre for materials and bioengineering research. It is jointly hosted by the CRANN Institute and the Trinity Centre for Bioengineering, in collaboration with University College Cork and the Royal College of Surgeons in Ireland and was founded by a €59 million national investment from Science Foundation Ireland in 2013. It brings together over 90 researchers and PIs in a dynamic, cross-disciplinary and translational research environment which is delivering high-impact and innovative science.

This position offers a unique flagship post centrally located in the national agenda. The directorship will be a full time position for 5 years at the outset, and the successful candidate will simultaneously occupy a permanent position as a full Professor in one of the cognate academic schools (Physics, Chemistry or Engineering). The successful candidate should be a renowned scientist/engineer in their own field and have the energy, drive, and managerial-standing to help shape and direct the future of AMBER in and for the next 5 years.

The appointee is expected to be in place by January 2015.

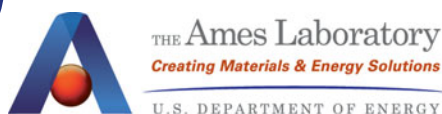
Please note: Applications will only be accepted by e-recruitment and further information can be obtained at: <https://jobs.tcd.ie>

Closing date for receipt of completed applications is noon (GMT), Monday, 1st September 2014.



TRINITY COLLEGE DUBLIN
COLÁISTE NA TRÍONÓIDE, BAILE ÁTHA CLIATH

THE UNIVERSITY OF DUBLIN



POSTDOCTORAL RESEARCH ASSOCIATE

"In-situ fluid cell electron microscopy of magnetic nanocrystals"

Division of Materials Sciences and Engineering, Ames Laboratory
Iowa State University, Ames, Iowa, USA.

Emergent Atomic and Magnetic Structures group is seeking a motivated applicant to fill a postdoctoral research associate position with a focus on *in-situ* fluid cell study of nucleation and evolution of crystal structure in bio-templated magnetic nanostructures. This position is a one year term appointment with the possibility of renewal based upon satisfactory job performance.

Qualifications: 1) A Ph.D. in material sciences, chemistry, or related field with experience in STEM and use of analytical microscopy techniques (EELS, EFTEM) demonstrated by publication record; 2) Ability to work independently; 3) Expertise with Origin, Labview and Matlab is preferred; 4) Knowledge of magnetic nanoparticle systems is a plus.

Contact Information: Interested candidates should send an application letter outlining research expertise and interests and availability, a current CV, including publications, and names and contact information for three references to Dr. Tanya Prozorov at: tprozoro@ameslab.gov

Salary is based on the postdoctoral pay scales at Ames Laboratory, Iowa State University. Starting date is as soon as possible and the search continues until vacancy is filled. Ames Laboratory/Iowa State University is an EO/AA employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, or protected Vets status.

Faculty Position in Materials Science & Engineering

Cornell is a community of scholars, known for intellectual rigor and engaged in deep and broad research, teaching tomorrow's thought leaders to think otherwise, care for others, and create and disseminate knowledge with a public purpose.

The Department of Materials Science and Engineering at Cornell University is soliciting applications for a tenured or tenure track faculty position. Exceptional candidates are sought, particularly those who will dramatically enhance our program in the strategic research area of materials by design, which includes *ab initio* thermodynamics and structure prediction. More information on Cornell MS&E's strategic research focus is available at: <http://www.mse.cornell.edu>.

Candidates are expected to currently have or to develop an internationally recognized program of research and teaching in materials science and engineering. Considerable institutional resources are available for the support of the successful applicant's research program and a competitive start-up package can be expected. The successful candidate can expect to benefit from associations with Cornell's many interdisciplinary research centers, facilities, and initiatives, which include a number of national resources. The successful candidate will be expected to excel in the teaching of materials science and engineering and to mentor students at both the undergraduate and graduate levels. Applicants at all levels will be considered for this position.

The Department of Materials Science and Engineering and the College of Engineering at Cornell embrace diversity and seek candidates who will create a climate that attracts students of all races, nationalities and genders. Women and under-represented minorities are strongly encouraged to apply.

Applications including a resume, a statement on teaching and research interests, copies of publications or preprints, and names of several references should be submitted online at:

<https://academicjobsonline.org/ajo/jobs/4073>

Applications will be reviewed starting June 1, 2014 and will be accepted until this position is filled.

<http://www.mse.cornell.edu/mse/news/jobs.cfm>

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university's mission of teaching, discovery and engagement. Located in Ithaca, NY, Cornell's far-flung global presence includes the medical college's campuses on the Upper East Side of Manhattan and in Doha, Qatar, as well as the new CornellNYC Tech campus to be built on Roosevelt Island in the heart of New York City.



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.



PRINCIPAL DEVELOPMENT ENGINEER

**Materials Department
University of California, Santa Barbara**

Supervisor of the Molecular Beam Epitaxy (MBE) research facility: Responsible for running and maintaining five MBE machines as well as providing research support to ten faculty.

Position number 20140247.

Open until filled.

TO APPLY VISIT:

<https://jobs.ucsb.edu/applicants/jsp/shared/frameSet/FrameSet.jsp?time=1402497319080>

AA/EOE

Faculty Positions Materials Chemistry and Physics • University of Ottawa



uOttawa

As part of a major expansion of its research programs in Materials Chemistry and Physics, the Faculty of Science at the University of Ottawa invites applications for six tenure-track faculty positions over the next two years. All areas in materials science will be considered, with particular interest in the growth and characterization of nanostructured and low-dimensional materials, semiconductors, photonic materials, polymers, energy materials, and biomaterials. There is the potential for exceptional, eligible candidates to be considered for a **TIER 2 CANADA RESEARCH CHAIR** in biomaterials.

The successful candidates will have access to world-class materials characterization and imaging facilities, plus supporting facilities in NMR, mass spectrometry, and X-ray crystallography. In addition, the nearby laboratories of the National Research Council of Canada have outstanding materials growth, nanofabrication, and characterization user facilities. According to Maclean's 2013 University Rankings, the University of Ottawa ranks #2 in Canada in research intensity in the natural and health sciences. The Departments of Chemistry and Physics at the University of Ottawa are among the best in Canada.

REQUIRED QUALIFICATIONS: A PhD degree or equivalent, a commitment to teaching and graduate training, a strong track record in and a commitment to interdisciplinary collaboration, and excellent communication skills in either English or French. Passive knowledge of the other official language in Canada is a requirement for tenure. English-French bilingualism is an asset.

RANK: Assistant professor level, but higher ranks will be considered under exceptional circumstances.

Applications will be reviewed starting July 2, 2014

with the positions remaining open until filled. Please send your curriculum vitae, a detailed research proposal, a description of teaching interests, and three confidential letters of reference to one of the following Chairs:

Paul M. Mayer, Chair, Department of Chemistry
University of Ottawa
chmchair@uottawa.ca

Subject line: "Materials Chemistry"

Thomas Brabec, Chair, Department of Physics
University of Ottawa

Madeleine.Thomas@uottawa.ca

Subject line: "Materials Physics"

Both committees will feel free to transfer files from one department to the other, if it seems appropriate.

The University of Ottawa is an equal opportunity employer. We strongly encourage applications from women, Aboriginal peoples, persons with disabilities, and members of visible minorities. According to government policy, all qualified candidates are invited to apply; however, preference will be given to Canadian citizens and permanent residents.

The University of Ottawa is proud of its 160-year tradition of bilingualism. Through its Official Languages and Bilingualism Institute, the University provides training to staff members and to their spouses in their second official language. At the time of tenure, professors are expected to have the ability to function in a bilingual setting.



PROGRAM DIRECTORS

Biomaterials and Condensed Matter and Materials Theory Programs

National Science Foundation

The Division of Materials Research (DMR), National Science Foundation, Arlington, VA, announces a nationwide search for senior-level researchers to serve as **Program Directors in the Biomaterials and Condensed Matter and Materials Theory Programs**. Formal consideration of interested applications will begin July 15, 2014 and will continue until selections are made.

The **Biomaterials position** requires an individual with broad expertise and demonstrated experience in materials research related to materials of biological origin, synthetic materials intended for applications in biological systems, materials that mimic or are inspired by biological materials, and the processes through which biological materials are produced in nature. Additional expertise in interdisciplinary research areas at the interface between the biological/life and the materials/physical sciences is also desired. Applicants must have a PhD degree or equivalent experience in the chemical, materials, or physical sciences or a closely-related field plus after the award of the PhD, six or more years of successful research, research administration, and/or managerial experience pertinent to the position.

The **Condensed Matter and Materials Theory position** requires an individual with broad expertise and demonstrated experience in theoretical and computational materials research, particularly in soft matter. Applicants must have a PhD degree or equivalent experience in the physical sciences or a closely-related field, plus after the award of the PhD, six or more years of successful research, research administration, and/or managerial experience pertinent to the position.

For the DMR mission statement and additional information about the above programs, please see www.nsf.gov/materials.

Applicants must be familiar with a broad spectrum of the materials research community, as well as with the issues being addressed in the field. Applicants with accomplishments in the integration of research and education and with multidisciplinary experience and interest are desired. The position requires effective oral and written communication skills, and familiarity with NSF programs and activities is highly desirable. The incumbent is expected to work effectively both as an individual within the specific NSF program and as a member of crosscutting and interactive teams. The incumbent must also demonstrate a capability to work across government agencies to promote NSF activities and to leverage program funds through interagency collaborations.

How to Apply

Applicants should indicate which program they are applying to within their cover letter and subject line of the email. Please submit a curriculum vitae to dmr-recruit@nsf.gov. Applications are first reviewed by the recruitment working group (typically composed of 3-5 Program Directors) and recommendations are made to DMR's Division Director and Deputy Division Director. A few candidates are selected for telephone and/or NSF on-site interviews. Applicants will receive an acknowledgement of their applications and a status update by email when selections occur. For more information about these openings, you may send an inquiry to dmr-recruit@nsf.gov or contact the Division Director, Mary Galvin by telephone 703-292-8562 or via e-mail at mgalvind@nsf.gov.

Nominations from the community are also encouraged. A nomination email can be sent to dmr-recruit@nsf.gov.

Because NSF has a rotator program, there are often opportunities in diverse areas of materials research. Those interested are welcome to request further information from dmr-recruit@nsf.gov.

The position may be filled on a non-permanent basis for one to three years as a Visiting Scientist, on a temporary basis as a federal employee, or under the provisions of the Intergovernmental Personnel Act (IPA).

For additional information on NSF's rotational programs, please visit http://www.nsf.gov/about/career_opps/rotators/.

Applications will be accepted from US Citizens. Recent changes in Federal Appropriations Law require Non-Citizens to meet certain eligibility criteria to be considered. Therefore, Non-Citizens must certify eligibility by signing and attaching the Citizenship Affidavit available at http://www.nsf.gov/pubs/forms/affidavit_eligibility_of_employment.pdf to their application. Non-citizens who do not provide the affidavit at the time of application will be considered as an IPA only.

NSF is an Equal Opportunity Employer committed to employing a highly qualified staff that reflects the diversity of our nation.