

# EducationUSA Weekly Update

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## I. Scholarships and Fellowships

### PostDoc at the H. Lee Moffitt Cancer Center & Research Institute, University of South Florida- in synthetic organic or medicinal chemistry

The H. Lee Moffitt Cancer Center & Research Institute, a comprehensive NCI designated center on the University of South Florida campus, is seeking outstanding Postdoctoral Scientists to participate in a prestigious P01 program project funded by the NCI. The goal of the project is to use chemical probes to understand signal transduction mechanisms and to discover novel drugs for the treatment of cancer. The program comprises five biology/chemistry projects and state-of-the-art cores for synthetic and computational chemistry providing exciting opportunities for the discovery of new and highly specific inhibitors.

Applicants must have a recent Ph.D degree in synthetic organic or medicinal chemistry or have submitted their thesis. A background in medicinal or biological chemistry and drug discovery with experience in parallel synthesis is ideal, but not required. Experience in synthetic organic chemistry is essential. A strong desire and ability to work in a multidisciplinary environment is essential.

Application- Please visit [www.moffitt.org/careers](http://www.moffitt.org/careers) to apply to REQ ID 3074 and send CV, cover letter, and contact information for three references to Dr. Harshani Lawrence at [Harshani.Lawrencemoffitt.org](mailto:Harshani.Lawrencemoffitt.org)

### Postdoctoral Research Associate Position Announcement at Yale University, Department of Biomedical Engineering

One post-doctoral research scientist position is available in the laboratory of Dr. Anjelica Gonzalez at Yale University, Department of Biomedical Engineering. Potential candidates would be required to work on development of biomaterials for applications in immunological studies. Other interdisciplinary research projects are also available, most involving synthesis and surface modification of biomaterials for investigation of inflammation and related disease.

#### Qualifications

Ph.D. in Chemistry, materials science, molecular biology, bioengineering or a related discipline with research in biomaterials is preferred. Experience in standard tissue culture and molecular biology is required. Excellent oral and written communication skills and the ability to work independently are needed. Willingness to learn new techniques is essential.

#### Application

Applicants should electronically submit a cover letter, a CV with names and contact information of 3 references to [anjelica.gonzalez@yale.edu](mailto:anjelica.gonzalez@yale.edu)

Yale University is an Equal Opportunity/Affirmative Action Employer.

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**Department of Physics at Old Dominion University is seeking a Postdoctoral Research Associate to join the Experimental Nuclear Physics group**

The Department of Physics at Old Dominion University is seeking a Postdoctoral Research Associate to join the Experimental Nuclear Physics group, working primarily at the nearby Thomas Jefferson National Accelerator Facility (Jefferson Lab). The group (consisting of Profs. M. Amarian, S. Bültmann, G. Dodge, G. Gavalian, C. Hyde, S. Kuhn, and L. Weinstein, as well as Jefferson Lab affiliates) is one of the largest university groups at Jefferson Lab. The successful candidate will play a leading role on the preparation (hardware and software) of upcoming experiments on DVCS, semi-inclusive polarized structure functions and exotic hybrids in Hall B for which our group has taken responsibility. He/She will also work with graduate students and faculty on analysis of existing structure function data from Hall B.

For more information, see <http://www.physics.odu.edu/nucept>

A Ph.D. in experimental nuclear physics, or related field is required. The position is for one year initially, but may be renewed upon mutual agreement. Submit a letter of application and curriculum vita, and arrange for three letters of recommendation to be sent directly to:

Application

Dr. Gail Dodge  
Department of Physics  
4600 Elkhorn Ave.  
Old Dominion University  
Norfolk, VA 23529

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**Postdoctoral positions in the Mechanical, Aerospace and Biomedical Engineering Department at the University of Tennessee, Knoxville**

Postdoctoral positions are immediately available in the Mechanical, Aerospace and Biomedical Engineering Department at the University of Tennessee, Knoxville. These positions are jointly sponsored by Dr. Xiaopeng Zhao (<http://web.utk.edu/~xzha09/>) and Dr. Mingjun Zhang (<http://web.utk.edu/~mjzhang/index.html>). Successful candidates are expected to work in the following areas:

- \* Modeling and control of sub-cellular dynamics.
- \* Dynamics modeling of stem cells differentiation.
- \* AFM/confocal microscopy study of cellular dynamics.
- \* Lab-on-a-chip technology.
- \* Surgical robotics.

Applicants must have completed a PhD in mathematics, physics, life sciences, control theory, or computational mechanics. Experiences on dynamics modeling, nonlinear dynamics, control, or experimental study using AFM are preferred.

Application

Interested candidates should send one paragraph of interest along with CV and selected publications to Dr. Xiaopeng Zhao ([xzha09@utk.edu](mailto:xzha09@utk.edu)).

Review of completed applications will begin immediately and continue until the positions are filled.

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**DOE-supported postdoctoral position in a project investigating basic mechanisms in oxygenic photosynthesis. Oklahoma State University**

DOE-supported postdoctoral position is available to participate in a project investigating basic mechanisms in oxygenic photosynthesis.

The major objective is to define the transcriptional regulatory circuitry controlling inorganic carbon assimilation and determine its integration with light reactions of oxygenic photosynthesis in the experimental model *Synechocystis* sp PCC6803. These molecular genetic issues will be studied in context of detailed biophysical and biochemical analyses in order to connect genetic regulatory mechanisms with bioenergetic and nutrient functions.

Therefore the project will involve the parallel use of advanced molecular genetic analyses to probe gene expression along side with decisive biochemical and biophysical analyses to evaluate the functional precursors and consequences, affecting and responding to changes in gene expression.

A Ph.D. and a strong background in biochemistry and/or molecular biology are required. Experience with biophysical assays of photosynthesis is desirable. Preferences will be given to individuals with proven records of quality publications and to those with potentials to obtain independent funding.

Application

A review of applications will begin July 7, 2008 and continue until a suitable candidate is found. Women and minorities are especially encouraged to apply. Interested persons should submit their curriculum vitae, statement of research interests, and names, addresses, and telephone numbers of three references to:

Dr. Robert L. Burnap  
Microbiology & Molecular Genetics  
Life Sciences East  
Oklahoma State University  
Stillwater, OK 74078

Email: rob.burnapokstate.edu

Oklahoma State University is an Affirmative Action/Equal Opportunity/E-Verify employer committed to diversity.

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**Postdoctoral research position is available in the field of inorganic/ organometallic chemistry in the chemistry department, University of North Dakota**

A postdoctoral research position is available in the field of inorganic/ organometallic chemistry in the chemistry department, University of North Dakota. Responsibilities include ligand synthesis, catalyst preparation and screening, mechanistic investigation, maintenance of laboratory, and supervision of students. Experience with kinetics is a plus. Successful candidates are expected to be independent, highly motivated, and have good communication skills.

Application

Interested candidates should send a copy of their CV, names and contact information of 2-3 references, and a summary of research experience and interests, preferably in a single pdf file, to Dr. Guodong Du at dund08gmail.com

Review of applications will begin immediately and will continue until the position is filled

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**Postdoc: Laboratory for Electrochemical Interfaces, in Nuclear Science and Engineering Department at MIT**

One postdoctoral research associate position is available with a starting date as early as August 2008 in the Laboratory for Electrochemical Interfaces, in Nuclear Science and Engineering Department at MIT. This research position is for studying the surface electronic and chemical nature and oxygen reduction mechanisms on dense thin-film electrodes for solid oxide electrochemical devices for electricity generation, namely solid oxide fuel cells (SOFC). The primary goal is to understand and tailor the electronic behavior of electrode surfaces, including inhomogeneities such as grain boundaries, using advanced surface science tools. This topic will have implications on the nanostructure development for infiltrated electrodes.

Characterization and analysis approach will include the coupling of the electrochemical and high-resolution spectroscopic and microscopic techniques. For the primary aspect of the research at MIT, particularly important is the use of scanning tunneling microscopy and spectroscopy, and other scanning probe and UHV techniques. The goal is to extend and implement these tools under the laboratory controlled conditions of temperature, pressure, and potential representative of the in situ conditions of SOFC oxygen electrodes. The second aspect of the position will involve close collaboration with external researchers from university and national laboratory partners for the characterization of model electrode surfaces using soft- and hard-x-ray techniques.

Responsibilities include carrying out excellent independent research, writing publications, presentations and reports, working with graduate students in the group, and interacting with sponsors. Highly motivated candidates with a strong background in materials science, physics, chemistry, or a related field are encouraged to apply as soon as possible.

Application

Please send CV and representative publications (if possible) to Bilge Yildiz - byildizmit.edu

Review of applications will start immediately and will continue until the position is filled.

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**Undergrad Opportunities at SUNY Plattsburgh**

It's a little-known fact that all international students accepted to the State University of New York - Plattsburgh receive a scholarship. That's how much we value the contributions that international students make to our campus community.

The monetary value of each scholarship package will vary from \$2,500 to \$10,500 depending on the following factors: applicant's country of residency, previous academic achievement, and applicant type (freshman or transfer). For the 2009-2010 academic year, we predict that billed cost of attendance (including tuition, mandatory fees, room, and board) for international students will be approximately \$22,500. Therefore, the actual billed cost for an accepted international student should be between \$12,000 and \$20,000 per year. To determine the estimated award for an individual applicant, try our new scholarship calculator:

<https://banweb.cc.plattsburgh.edu/pls/banprd/international.scholarships>

Our scholarship package is one of the many reasons why SUNY - Plattsburgh was recently named one of the "100 best values" among public universities in the United States by "Kiplinger's Personal Finance" magazine. For more information, please feel

Contact an EducationUSA adviser near you for guidance on finding and applying to an accredited U.S. college or university 3  
<http://www.educationusa.state.gov/>

free to contact me anytime.

Sincerely,

Ms. Jackie Girard Vogl  
Director, International Student Services  
State University of New York - Plattsburgh  
101 Broad Street  
Plattsburgh, NY 12901 U.S.A.  
Email: [jackie.vogl@plattsburgh.edu](mailto:jackie.vogl@plattsburgh.edu)  
Phone: 518-564-3287  
Toll-free: 1-877-877-5170 (in U.S. and Canada)  
Fax: 518-564-3292  
Web: [www.plattsburgh.edu/international](http://www.plattsburgh.edu/international)

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**Scholarships for students that come from Latin American and Caribbean countries at the University of West Florida**

Located on the Gulf Coast of Florida, the University of West Florida is minutes from the emerald waters and white sand of some of the world's best beaches. We offer 49 bachelor's degrees and advanced degrees in more than 25 programs. UWF also offers a number of scholarships for students that come from Latin American and Caribbean countries. The Office of International Education & Programs require that a student maintain a 2.7 overall grade point average in order to receive a Latin American Caribbean (LAC) scholarship. The LAC scholarship allows eligible students to be classified as "in-state" for tuition purposes. This greatly reduces tuition costs for international students from these countries.

UWF also has a well-established intensive English program that is designed to help non-native speakers develop English skills for personal, academic, and professional purposes. All of our teachers have extensive experience in teaching English to speakers of other languages. The academic intensive English program improves the listening, speaking, reading, vocabulary, and writing skills needed to study at an American university. Beginning in the fall of 2008, it is possible for intensive English students to be conditionally admitted to UWF without one of the standard admission tests. Intensive English students who complete the high-advanced class with an average of a B+ (88) and a 78 or higher on the IEP exit test (MELICET) are eligible for admission to UWF if they meet other requirements of the University.

**II. News you can use**

**Dynamic English**

This edition of eJournal USA, "Dynamic English," discusses forces that shape and change everyday English. From cultural and international influences, such as words that come directly, or in a changed form from another language, to popular media, including movies, music and sports, to changes arising from technological developments, the authors present examples of ways English changes daily. Other articles describe the process of language change, and tips for deciphering slang.

<http://usinfo.state.gov/journals/itsv/0807/ijse/ijse0807.pdf>

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**Introduction to Public International Law Research**

[http://www.nyulawglobal.org/globalex/Public\\_International\\_Law\\_Research.htm](http://www.nyulawglobal.org/globalex/Public_International_Law_Research.htm)

Aspiring lawyers and academics hoping to peer into the world of public international law will be glad to learn about this site. Authored by lawyer and researcher Vicenc Feliu, this introduction to public international law research is offered up as part of the Hauser Global Law School Program at New York University's Law School. Published in May/June 2008, this thorough introduction includes a host of information about online and offline resources that will come in handy. After reading the introduction, visitors can browse around sections that offer up material on treaties, case law, and relevant journals. Along the way, visitors will also learn about the major players in public international law, such as the United Nations, the Council of Europe, and the European Union. Overall, this site is indispensable, and visitors with an interest in this area will want to tell their colleagues and friends about it. . From The Scout Report, Copyright Internet Scout Project 1994-2008.  
<http://scout.wisc.edu/>

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**Lost Titles, Forgotten Rhymes: How to Find a Novel, Short Story, or Poem Without Knowing its Title or Author**

<http://www.loc.gov/rr/program/bib/lost/>

What if you wanted to locate Robert Burton's masterful 17th century opus, The Anatomy of Melancholy? But wait: You can't remember his name or the name of the book. That's where you should know to click on over to this delightful and helpful reference guide created by Peter Armenti, Digital Reference Specialist at the Library of Congress. The intent of this guide is to

Contact an EducationUSA adviser near you for guidance on finding and applying to an accredited U.S. college or university 4  
<http://www.educationusa.state.gov/>

"help readers identify a literary work when they know only its plot or subject, or other textual information such as a character's name, a line of poetry, or a unique word or phrase". The guide is divided into three separate sections: "Finding Novels", "Finding Short Stories", and "Finding Poems". Each section offers a host of resources that include general search engines, online book databases, library catalogs, listservs, message boards, and physical print resources available in many public libraries. This guide is rounded out by a selection of related resources, including a primer on how to find poems in the Library of Congress. From The Scout Report, Copyright Internet Scout Project 1994-2008. <http://scout.wisc.edu/>