Chemistry Notices

For the Week of September 12 to 16, 2011

VISITING SPEAKERS & SEMINARS

The University of Alberta and the Department of Chemistry Organic Division Present
Distinguishing Visiting Speaker

Masahiro Toyota

Professor, Department of Chemistry
Graduate School of Science
Osaka Prefecture University
Osaka, Japan

Professor Masahiro Toyota will present three (3) lectures:

Tuesday, 6 September 2011
time: 2:00 p.m.; locale: E3-25
title: **Synthetic Organic Chemistry in Japan - Past, Present and Future**

Thursday, 8 September 2011
time: 2:00 p.m.: locale: E3-25
title: **Synthesis of the Potent Immunosuppressant Mycalamide A**

Monday, 12 September 2011
time: 11:00 a.m.; locale: CCIS L1 140
title: **Development of Two Different Types of Palladium-Catalyzed Cycloalkenylations and Application to Bioactive Natural Product Synthesis**

Visit supported by the University of Alberta Distinguished Visitor Fund

For more info about Professor Toyota: (http://www.c.s.osakafu-u.ac.jp/~toyota/)

FGW/dl (ext: 248-1506/ office: E5-33G))

UNIVERSITY OF ALBERTA
Department Seminar

Dr. Christopher Cairo

"Probing chemical and conformational change at the plasma membrane"

DATE: Thursday 15 September 2011
TIME: 2:30 p.m.
PLACE: CEB 336

Department of Chemistry / University of Alberta
ORGANIC DIVISION VISITING SPEAKER

Professor Peter Duggan
CSIRO Material Science and Engineering, Australia

will speak on
"Boronated and Fluorinated Amino Acids, Peptides and Peptidomimetics"

Date : **Friday, 16 September 2011**
Time : **2:00 p.m.**
Place : **E3-25 Gunning/Lemieux Chemistry Centre**

DH/dd
Sept. 6, 2011

EMPLOYMENT OPPORTUNITIES

Technologist, Mineral & Chemical Analyses Lab

Position and Responsibilities

Note: This position should be of interest to recent graduates not Ph.D. graduates.

The Cameco Technology and Innovation-Research Centre currently requires a technologist for the Mineral & Chemical Analyses Laboratory with experience in chemical and instrumental analyses, and preferably with experience working with a scanning electron microscope and ancillary micro-analytical equipment. One of the primary job responsibilities will be operation of a Zeiss Supra 55VP field emission scanning electron microscope equipped with energy and wavelength dispersive X-ray spectrometers, an electron backscatter diffraction system, and a cathodoluminescence detector.

The successful candidate will join a team of scientific, engineering and technical staff of the Cameco Research Centre group located in Port Hope, Ontario. Working in close association with production engineers and operators, the team provides advanced scientific research and experimental development in mineralogy, pyrometallurgy, hydrometallurgy, chemical and mineral processing, powder metallurgy, fluorine chemistry, ceramics, electrochemistry, liquid effluent treatment, ultrasonic and microwave processing in various aspects of uranium production.

Education and Qualifications

The candidate for the chemical technologist position will be a keen experimentalist with experience in various aspects of chemical technology including chemical fundamentals, chemical and instrumental analyses, safety procedures, and sample preparation for instrumental analysis. A diploma from a recognized chemical technology program with a minimum of three
[WINDOWS-1252?] years' experience is desirable, preferably with experience working with a scanning electron microscope and ancillary analytical equipment.

This position requires excellent interpersonal skills, self-motivation, a strong understanding of PC based computer software and strong written and verbal communication skills.

This position is located at the Port Hope conversion facility. If this opportunity interests you, please submit your resume and cover letter or contact me, directly, below.

Michael Murchie
Director. Research Centre

EMPLOYMENT OPPORTUNITIES, *continued*

CALIFORNIA
STATE
UNIVERSITY,
FRESNO

September 7, 2011

Dear Chair and colleague:

I am writing to inform you that California State University, Fresno has a tenure-track opening for an organic chemist, at the assistant professor level, beginning August 2012.

The American Chemical Society online position advertisement that summarizes the position, the application process, and requested application materials can be found at http://chemistryjobs.acs.org/jobs/4466324/chemistry-assistant-. We would be very grateful if you could pass this letter and information along to anyone you know who might be interested, and be a good candidate for the position.

A copy of the complete job vacancy announcement and the online application form can be found at:

http://jobs.csufresno.edu/

Interested individuals can find out more about California State University, Fresno by going to the university website at http://www.csufresno.edu. The university also has a website for New/Prospective Faculty at http://csufresno.edu/aps/faculty/index.shtml that provides a variety of information, including information on the greater Fresno-Clovis Metropolitan Area.

We appreciate any assistance you can provide in identifying qualified candidates. The University is committed to promoting the success of all, and to reducing the barriers to success related to differences in areas such as race, ethnicity, culture, disability, and more. Candidates who can contribute to that goal are encouraged to apply and identify their strengths and experiences in this area. For additional information on the University's commitment to diversity visit: www.csufresno.edu/diversity. CSUF is an AA/EEO employer.

Interested candidates may also contact me directly if they have any questions - josephg@csufresno.edu.

Sincerely,

Joseph R. Gandler, Ph.D.
Chair, Organic Chemistry Search Committee

College of Science and Mathematics
Department of Chemistry
2555 East San Ramon M/S SB70
Fresno, CA 93740-8034
559.278.2103
Fax 559.278.4402

THE CALIFORNIA STATE UNIVERSITY

THE UNIVERSITY OF WESTERN ONTARIO
DEPARTMENT OF CHEMISTRY

The Department of Chemistry invites applications for a probationary (tenure-track) faculty position at the rank of Assistant Professor in Inorganic Chemistry with an anticipated start date of July 1, 2012. Candidates with an innovative research proposal in synthetic inorganic chemistry or at the interface of inorganic chemistry and biology are especially encouraged to apply. The successful candidate will be expected to establish an independent, externally funded research program, and to develop and teach innovative courses in chemistry at the undergraduate and graduate levels. The Department of Chemistry (www.uwo.ca/chem) is a large research-intensive department with strong programs in many areas of chemistry and with several interdisciplinary links to research groups in other departments in the Faculties of Science and Engineering and the Schulich School of Medicine & Dentistry.

Interested candidates should send two hard copies of their application package which includes an up-to-date curriculum vitae, a teaching philosophy and a statement of teaching interests, a description of research accomplishments, and a 5 page research proposal with an appropriate budget, together with the names, mailing and e-mail addresses and telephone numbers of three referees to:

Dr. K. M. Baines, Chair
Department of Chemistry
The University of Western Ontario
Chemistry Building
Room 003 Dock 11
1151 Richmond Street
London, Ontario, N6A 5B7, Canada

The deadline for receipt of two printed copies of the full application is November 30, 2011. Applications sent by e-mail will not be considered.

Positions are subject to budgetary approval. Applicants should have fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Western Ontario is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, aboriginal people and persons with disabilities.

EMPLOYMENT OPPORTUNITIES, *continued*

HY-power Nano (HPN) is an advanced nanocomposite coatings Company nested at University of Alberta's National Institute for Nanotechnology. The company specializes in customer driven nano solution for industrial applications.

As part of our R&D growing strategy, HPN is seeking talented, independent thinker, and hands on researchers (2). As an integral member of our company your responsibilities will be the following:

Major Responsibilities:

Identification of new product development opportunities based on business planning

Develop original formulations, strategies and processes

Review the compilation, evaluation, interpretation and reporting of experimental results

Work with research team scaling up materials for trials, organizing trials and analyzing results

Review and generate, in collaboration with research team, project plans with clear deliverable timelines

Prepare technical documents according to regulatory requirements

Act as a resource for other members in the company and provide technical support to Customer Service team

Keep current on emerging trends and technology

Position Requirements:

Master or PhD Degree – Chemistry, Materials Science or Chemical Engineering

3-5 years of related experience in research and development of nanomaterials

Strong knowledge of nanoparticle synthesis, dispersions and related characterization techniques

Strong knowledge of standard analytical equipment for nanoparticle analysis

Knowledge of products and process development, including scale up of chemical processes would be an asset

Strong communications, problem solving, analytical and presentation skills

Fluent in technical English including technical writing and documentation skills

If you are interested in joining this fast growing team, please send your resume to juanb@hy-powercoatings.com

We thank all applicants in advance for their interest, however, only candidates selected for an interview will be contacted.

EMPLOYMENT OPPORTUNITIES, *continued*

HY-power Nano (HPN) is an advanced coatings company nested at University of Alberta's National Institute for Nanotechnology. The company specializes in customer driven nano-based solutions for industrial applications.

HY Power nano is seeking a talented and skilful chemist. As an integral member of our company your will closely work with our senior materials chemists in the developing of original formulations, strategies and processes.

Duties and responsibilities:

Carrying out laboratory work and characterization of nanomaterials

Maintaining and organizing data and inventory records

Assisting in the daily operation of the laboratory, including safety audits and maintenance

Knowledge, Skills & Abilities:

Basic knowledge in the field of nanomaterials or related areas

Basic technical and practical knowledge in operation of analytical equipment

Knowledge of nanomaterials characterization tools would be an asset

Good chemical laboratory skill as well as good analytical and trouble-shooting skills

Excellent communication, oral and written, and organization skills

Highly motivated and adaptable

Qualifications and Experience:

B.Sc/B.A.Sc or a Diploma In Chemical Sciences with a minimum 2 years laboratory experience

If you are interested in joining this fast growing team, please send your resume to juanb@hy-powercoatings.com

We thank all applicants in advance for their interest, however, only candidates selected for an interview will be contacted.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

TIER II CANADA RESEARCH CHAIR IN RENEWABLE ENERGY SYSTEMS

Rapidly increasing energy demands coupled with environmental concerns related to fossil fuel consumption call for the development of new sources of energy and ways of integrating these into the power grid. The new energy economy will increasingly depend on a distributed system of small, locally operated power generation systems utilizing renewable resources. As Canada's Green University™, UNBC intends to take a leadership role in developing research to support local renewable energy systems for northern, rural and remote communities. Thus, UNBC invites applications for a **Tier II Canada Research Chair in Renewable Energy Systems** Engineering or related areas. While Engineering is the preferred field, outstanding applications in the areas of renewable energy development, planning and policy will also be considered.

UNBC is a dynamic, student-centred, research-intensive university, uniquely Northern and personal in character, and responsive to its region's needs. Our service region includes significant sources of biomass, hot-rock geothermal, hydro, tidal, wave, wind and solar energy resources. UNBC is Canada's first university to be mostly heated by bioenergy, and the bioenergy units provide operational-scale opportunities for research. The Tier II CRC in Renewable Energy Systems will build on our strong existing connections with the communities in our region to develop collaborative research projects. The CRC will also contribute to the development of a renewable energy systems program.

Tier II CRCs are for exceptional emerging researchers within 10 years of their PhD who have the potential to lead in their field. The successful candidate will receive a tenure-track appointment at the level of Assistant Professor, or at an Associate Professor level if qualification and experience warrant. The primary department of appointment is negotiable.

For more information on this opportunity, please see: www.unbc.ca/hr Questions about this opportunity may be addressed to Dr. Gail Fondahl, Vice President Research, 250-960-5820, fondahlg@unbc.ca. Review of applications will begin on 28 October 2011.

OTHER OPPORTUNITIES

5th Banff Symposium on Organic Chemistry

BSOC

November 10–13, 2011

On the Remembrance Day long weekend, 2011, the 5th Banff Symposium on Organic Chemistry (BSOC) will be held in beautiful Banff, Alberta. This conference highlights the research of graduate students in synthetic, biological, materials and organometallic chemistry, while also providing students the opportunity to interact with experts in these varied disciplines of organic chemistry.

A diverse lineup of spectacular keynote speakers has been assembled, and we now invite you to join us for a weekend of opportunities to share your work and inspiration in the heart of Canada's Rocky Mountains.

Keynote Speakers

Dr. Ronald Breslow
Columbia
Bio–organic Chemistry

Dr. M. Christina White
Illinois at Urbana-Champaign
Organometallic Chemistry

Dr. Ivan Aprahamian
Dartmouth
Materials Chemistry

Dr. Scott E. Denmark
Illinois at Urbana-Champaign
Synthetic Chemistry

www.BSOC.ca
BSOC@chem.ualberta.ca

OTHER OPPORTUNITIES, *continued*

CANADIAN CIRCUMPOLAR INSTITUTE 50 years 1960-2010

Are you a graduate or senior undergraduate student at the University of Alberta?

Are you interested in polar research?

Apply today to the **Canadian Circumpolar Institute** for research funding!

CCI administers TWO funding programs which provide 'seed' funding aimed at offsetting the high cost of conducting research in Canada's North and throughout the polar regions (including Antarctica).

Circumpolar/ Boreal Alberta Research (C/BAR) Grants

Value: Variable, up to $5,000 (an average award is $2,500)

Eligibility: Research in ANY subject area, provided the geographic area of focus is the circumpolar north (any area of the world north of the southern limit of the boreal forest), and Antarctica. Awards are for one-year; a maximum of 3 one-year grants may be received for any one project and/or degree program.

Northern Scientific Training Program (NSTP) Grants

Value: Variable, up to $3,500 (an average award is $2,500)

Eligibility: Research in ANY subject area, provided the geographic area of focus is north of the southern limit of the discontinuous permafrost zone, with the addition of all of the Southern Yukon in the West; that section of Labrador south to and including Red Bay; and the other seven Arctic countries (Finland, Greenland (Denmark), Iceland, Norway, Russia, Sweden and the U.S.A. - Alaska).

Open ONLY to Canadian Citizens or Permanent Residents registered with a program leading to a northern specialization.

Post-doctoral studies are **not supported**.

The combined value of C/BAR and NSTP award will not exceed $5,000

Application: Terms of reference and application forms for **both grants** are available from the Canadian Circumpolar Institute (CCI) website: http://www.uofaweb.ualberta.ca/CCI/nav01.cfm?nav01=92005

CCI Deadline: 20 October 2011

Departmental Deadline: Refer to your Department/Faculty deadlines

OTHER OPPORTUNITIES, *continued*

The Canadian Science Policy Conference (CSPC) is a national forum for science, technology and innovation policy discourse. It provides a unique opportunity to share ideas on how best to create an innovative Canada for all Canadians.

Under the motto "Building Bridges for the Future of Science Policy", CSPC 2011 is organized around issues of enduring and immediate concern to Canadian scientists, industry, government, and policy-makers. This years meeting will have a special focus on Chemistry

The 3rd annual CSPC meeting will be held in Ottawa from November 16-18, 2011 and registration is now open. CSPC 2011 will be another milestone in Canadian science policy. By bringing together more than 500 high-profile scientists, executives, industry leaders, government officials, and academics, CSPC will provide a unique opportunity for networking amongst Canada's diverse science policy stakeholders. Register now: www.cspc2011.ca

To learn more about science policy in Canada visit our website: http://sciencepolicy.ca