

# Chemistry Notices

For the Week of September 19 to 23, 2011

## VISITING SPEAKERS & SEMINARS

Department of Chemistry / University of Alberta

### ORGANIC DIVISION VISITING SPEAKER

#### Professor Michinori Suginome

Department of Synthetic Chemistry and Biological Chemistry,  
Graduate School of Engineering, Kyoto University



will speak on

**“New catalytic accesses to organoboronic acids  
using new reacting, protecting,  
and directing groups on the boron atom”**

Date : Monday, 19 September 2011

Time : 11:00 a.m.

Place : CCIS L1-140

DCidd  
17 August 2011

#### Paul Lummis

502 Seminar

will speak on

**“Anything U can do...  
Small molecule activation at a  
uranium centre”**

**Wednesday, September 21, 2011**

**11:00 a.m. in E3-25**

Department of Chemistry / University of Alberta

### ORGANIC DIVISION VISITING SPEAKER

#### Professor T. G. Back

Department of Chemistry, University of Calgary



will speak on

**“Selenium Compounds as Catalysts in Biologically  
and Synthetically Relevant Redox Processes”**

Date : Tuesday, 20 September 2011

Time : 1:00 p.m.

Place : E3-25 Gunning/Lemieux Chemistry Centre

DCidd  
Sept. 6, 2011

DEPARTMENT OF CHEMISTRY, UNIVERSITY OF ALBERTA

### Organic Division Visiting Speaker



#### Professor Jeffrey N Johnston

Department of Chemistry  
Vanderbilt University  
Nashville, TN, USA

will speak on

**“Reagent and Reaction Development in the  
Service of Target-Oriented Synthesis: Chiral  
Proton Catalysis and the Advent of  
Umpolung Amide Synthesis”**

DATE: Wednesday, 21 September 2011

TIME: 4:00 p.m.

PLACE: E3-25 Gunning/Lemieux Chemistry Centre

Please turn over for copy of Abstract

PCW/ME (E5-33G; 780 248 1506)

# VISITING SPEAKERS & SEMINARS, *continued*

Department of Chemistry / University of Alberta

## ORGANIC DIVISION VISITING SPEAKER

### Professor Robert Britton

Department of Chemistry, Simon Fraser University



will speak on

**"Exploiting Chlorohydrins  
in Natural Product Synthesis"**

Date : Thursday, 22 September 2011

Time : 1:00 p.m.

Place : E3-25 Gunning/Lemieux Chemistry Centre

DCH/ldd  
Sept 14, 2011

DEPARTMENT OF CHEMISTRY  
UNIVERSITY OF ALBERTA

### Visiting Speaker



Professor

### Michel (Mike) R. Gagné

Department of Chemistry  
University of North Carolina  
Chapel Hill, NC, USA

will speak on

**"Au(I) Catalysis: New Reactions,  
Unusual Mechanisms and  
Other Twists"**

DATE: Friday, 23 September 2011

TIME: 1:00 p.m.

PLACE: E3-25 Gunning/Lemieux Chemistry Centre

JT/AG (E5-33G) 780 248 1506

## Distinguished Asian Speaker Program



2011 Lecturer

**Academician Yuan-Pern Lee**

Chair Professor

Department of Applied Chemistry & Institute of Molecular Science  
National Chiao Tung University, Hsinchu, Taiwan

will speak on

**"Studying Reaction Intermediates Using  
Step-Scan FTIR, p-H<sub>2</sub> Matrix Isolation,  
and IR-VUV Ionization Techniques"**

Date: Friday, Sept. 23, 2011

Time: 10:00 – 11:00 am

Place: E3-25, Chemistry

Abstract overleaf.  
For further information contact Yunjie Xu: yunjie.xu@ualberta.ca, 2-1244

Mike Gagné is a former undergraduate of the department, B.Sc. Honours Chemistry '87. He is the recipient of a 2011 University of Alberta Alumni Recognition Award. These awards celebrate the outstanding accomplishments made by UAlberta alumni.

The Alumni Honour Award that Mike is receiving is to "recognize the significant contributions made by UAlberta alumni into their local communities and beyond." Specifically, Mike is being honoured for his dedication to chemistry and his students, for his ground-breaking research and international leadership in catalysis.

Congratulations Mike!

# VISITING SPEAKERS & SEMINARS, *continued*

Department of Chemistry / University of Alberta

## ORGANIC DIVISION VISITING SPEAKER

### Professor Andrew Wee

Department of Chemistry, University of Regina



will speak on

### “Lactam Intermediates Via Rh(II)-carbenoid C-H Insertion Reactions: Explorations and Applications in Alkaloid Synthesis.”

Date : **Friday, 23 September 2011**

Time : **1:00 p.m.**

Place : **E1-60 Gunning/Lemieux Chemistry Centre**

DCidd (Diane ES-34)

Department of Chemistry, University of Alberta

### The Reuben Benjamin Sandin Lecture Series

2011 Invited Lecturer



### Vern L. Schramm

Professor and Ruth Merns Chair of Biochemistry  
Albert Einstein College of Medicine  
Yeshiva University, New York, NY

You are cordially invited to attend the Reuben Benjamin Sandin Lecture Series sponsored by the Department of Chemistry of the University of Alberta.

**Lecture 1.** "Drug Design from Transition State Analysis"

Monday, 26 September 2011, 11:00 a.m.  
Locale: CCIS L1-140

**Lecture 2.** "Dynamics and Thermodynamics of Inhibitors and Catalysis"

Tuesday, 27 September 2011, 4:00 p.m.  
Locale: CCIS L1-140 (REVISED—this is new locale as of 31 Aug 2011)

This is an annual series which commemorates more than forty years of outstanding service rendered to the University by the late Professor Reuben Sandin as a dedicated scholar and inspiring teacher of Organic Chemistry

TLL/adi (to schedule a meeting please contact Lynne ext: 248-1506)

# EMPLOYMENT OPPORTUNITIES



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](http://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](mailto:josephg@csufresno.edu).

Sincerely,

A handwritten signature in black ink that reads "JRGandler".

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

College of Science  
and Mathematics  
Department of Chemistry  
2555 East San Ramon MS SB70  
Fresno, CA 93740-8034  
559.278.2105  
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THE CALIFORNIA STATE UNIVERSITY

# EMPLOYMENT OPPORTUNITIES, *continued*

## 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](http://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](mailto: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](mailto:juanb@hy-powercoatings.com)

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

# OTHER OPPORTUNITIES, *continued*



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**.

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

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**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 year's 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](http://www.cspc2011.ca)

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