

# Chemistry Notices

For the Week of September 5 to 9, 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/>)

PGW/ldf (ext: 248-1306/ office: E5-33G)

**Mark your calendars...**

### Department Seminar

**Thursday September 15, 2011**

Please mark your calendars for  
a departmental seminar by  
Dr. Chris Cairo on Thursday  
September 15, 2011 @ **2:30 p.m.**

Title of seminar and room location will  
be announced by early September

# EMPLOYMENT OPPORTUNITIES



National Défense  
Défense nationale

## Tenure-Track Positions

### Chemistry and Chemical Engineering

#### Royal Military College of Canada

The Royal Military College of Canada, a bilingual university located in Kingston, Ontario that offers undergraduate and graduate programs to members of the Canadian Forces and civilian students, invites applications for tenure track positions at the level of assistant professor or at a more senior level for appropriately qualified candidates.

The RMCC Department of Chemistry and Chemical Engineering is seeking candidates with a Ph.D. (must be completed before appointment), and with specialization in a field related to chemical, nuclear, or materials engineering or with specialization in physical chemistry, radiochemistry or closely related fields. Candidates must be able to establish and maintain independent and competitively funded research programs in one of these areas. Candidates will be required to teach courses in the Department's undergraduate chemical engineering and chemistry programs, and to teach and supervise students at the graduate level. Candidates able to teach in English, French or both languages will be considered for these positions. Candidates for engineering appointments must be eligible to be registered in Canada as a Professional Engineer. More information on the Department can be found at [www.rmcc.ca/aca/ccs-cgc/index-eng.asp](http://www.rmcc.ca/aca/ccs-cgc/index-eng.asp)

Starting salaries will be commensurate with experience and qualifications. All appointments are subject to a probationary period of three years. The expected start for some positions is December 2011 and into Spring 2012 for others.

Interested candidates must submit the following: (i) their curriculum vitae showing their qualifications for the position, including publications and teaching experience, (ii) proof of citizenship status, (iii) proof of education, including undergraduate and graduate transcripts, (iv) a two page proposal outlining their intended research and (v) the names and addresses of three referees. Applicants with foreign educational credentials must provide proof of Canadian equivalency and should consult the Canadian Information Centre for International Credentials at: [www.cicic.ca](http://www.cicic.ca)

The closing date for the competitions is 30 September 2011. Additional information about the competitions is available at [www.rmcc.ca/per/empl/index-eng.asp](http://www.rmcc.ca/per/empl/index-eng.asp). Applications must be submitted to:

Deanna Keenan  
Human Resources Assistant  
Process Number: 11-DND-EA-KGSTN-355525 (Chemical Engineering) or  
Process Number: 11-DND-EA-KGSTN-355527 (Chemistry)  
Royal Military College of Canada  
P.O. Box 17000, Station Forces  
Kingston, ON K7K 7B4  
Email: [resume.kingston@forces.gc.ca](mailto:resume.kingston@forces.gc.ca)



## Postes menant à la permanence

### Chimie et Génie chimique

#### Collège militaire royal du Canada

Le Collège militaire royal du Canada, une université bilingue située à Kingston en Ontario offrant des programmes du premier cycle et des cycles supérieurs aux membres des Forces armées canadiennes et aux civils, recherche des candidat(e)s pour des postes menant à la permanence comme professeur adjoint ou professeur de niveau supérieur par des candidat(e)s dûment qualifié(e)s.

Le Département de chimie et génie chimique du CMRC est à la recherche de candidat(e)s ayant obtenu un diplôme de doctorat (ce dernier doit être dûment achevé avant de pouvoir accepter la nomination), avec une spécialisation en génie chimique, génie nucléaire, ou génie des matériaux ou avec une spécialisation en chimie physique, radiochimie ou dans un domaine très connexe. Les candidat(e)s doivent être capables d'établir et de maintenir un programme de recherche innovateur à l'aide de financement des programmes d'octrois compétitifs dans un de ces domaines. Les candidat(e)s choisis(e)s doivent être capable d'enseigner dans les programmes du département de génie chimique et de chimie du premier cycle ainsi que d'enseigner des cours et de superviser des étudiants aux niveaux supérieurs. Les candidat(e)s capables d'enseigner en anglais, en français ou dans ces deux langues seront considéré(e)s pour les postes. Les candidat(e)s pour les postes de génie doivent être admissibles à devenir ingénieur professionnel enregistré au Canada. Plus de renseignements sur le Département se trouvent au site internet suivant: [www.rmcc.ca/aca/ccs-cgc/index-fra.asp](http://www.rmcc.ca/aca/ccs-cgc/index-fra.asp)

Le salaire offert sera déterminé selon l'expérience et les qualifications des candidat(e)s, et la nomination initiale sera assujettie d'une période probatoire de trois ans. La date anticipée de début d'emploi s'échelonne de décembre 2011 au printemps 2012.

Les candidat(e)s intéressé(e)s doivent envoyer (i) leur curriculum vitae démontrant leur compétence pour le poste, incluant une liste de publications ainsi que leur expérience en enseignement, (ii) preuves de citoyenneté, (iii) preuves de l'éducation académique reçue incluant le premier cycle et les cycles supérieurs, (iv) une proposition de deux pages décrivant les activités de recherche qu'ils voudraient entreprendre et (v) les noms et coordonnées de trois personnes pouvant servir de références. Les candidat(e)s dont les diplômes et les relevés de notes proviennent de pays étrangers doivent fournir des preuves d'équivalence canadienne et peuvent consulter le Centre d'information canadien sur les diplômes internationaux à l'adresse internet suivante: [www.cicic.ca](http://www.cicic.ca)

La date limite de soumission des candidatures pour cette compétition est le 30 septembre 2011. De l'information additionnelle sur les compétitions est disponible au [www.rmcc.ca/per/empl/index-fra.asp](http://www.rmcc.ca/per/empl/index-fra.asp). Les applications doivent être acheminées à:

Deanna Keenan  
Adjointe en ressources humaines  
Numéro de processus : 11-DND-EA-KGSTN-355525 (Génie chimique) ou  
Numéro de processus : 11-DND-EA-KGSTN-355527 (Chimie)  
Collège militaire royal du Canada  
CP 17000 Succursale Forces  
Kingston, ON K7K 7B4  
Courriel: [resume.kingston@forces.gc.ca](mailto:resume.kingston@forces.gc.ca)

Canada

# EMPLOYMENT OPPORTUNITIES, *continued*

## **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  
Cameco Technology and Innovation  
Cameco Corporation

Tel: 905-885-4511 x2322

[mike\\_murchie@cameco.com](mailto:mike_murchie@cameco.com)

# EMPLOYMENT OPPORTUNITIES, *continued*



## **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](http://www.unbc.ca/hr) Questions about this opportunity may be addressed to Dr. Gail Fondahl, Vice President Research, 250-960-5820, [fondahlg@unbc.ca](mailto:fondahlg@unbc.ca). Review of applications will begin on 28 October 2011.

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](http://www.BSOC.ca)  
[BSOC@chem.ualberta.ca](mailto:BSOC@chem.ualberta.ca)