

Chemistry Notices

For the Week of October 3 to 7, 2011

VISITING SPEAKERS & SEMINARS

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



Biao Yu

Professor, Department of Chemistry
Shanghai Institute of Organic
Chemistry

will speak on

**'New glycosylation protocols
for the synthesis of complex
glycoconjugates'**

DATE: Monday, 03 October 2011
TIME: 11:00 a.m.
PLACE: CCIS L1 140

*Visit supported by the University of Alberta
Distinguished Asian Speaker Fund*

TLL/djl (ext: 248-1506/office: E5-330G)

Urmi Bhakta

502 Seminar

will speak on

**"Cooperative Dual
Organocatalysis: Merging
Organocatalysis with Other Forms of
Catalysis"**

**Wednesday, October 5, 2011
1:00 p.m. in NRE 2-001**

Mita Dasog

502 Seminar

will speak on

**"Graffiti in New Light", Nanocrystal
Inks for Solar Cell Application"**

**Wednesday, October 5, 2011
11:00 a.m. in E3-25**



EMPLOYMENT OPPORTUNITIES

The Chemistry Department at Wichita State University invites applicants for **two tenure-eligible positions** at the assistant professor level. The first position is in **physical chemistry**. Applicants in all areas of physical chemistry will be considered, but preference will be given to computational chemists. The second position is in **analytical chemistry**; the area of research for this position is open, but preference will be given to candidates using mass spectrometry as a tool in their research. Successful candidates for both positions are expected to teach undergraduate and graduate courses in their respective areas, establish a vigorous externally funded research program and demonstrate a commitment to excellence in teaching and directing research involving undergraduate, masters, and doctoral level students. Successful candidates will have the opportunity to interact and collaborate with university-wide initiatives in bioengineering, aerospace engineering, and climate change and renewable energy. A PhD or equivalent degree in chemistry or related field, postdoctoral experience, a strong record of scholarly achievement and experience in working with diverse populations are required. A generous package of start-up funds, state of the art research facilities, and competitive salary are available. Review of applications will begin October 15, 2011 and will be continued until the position is filled. The following application materials should be submitted to the appropriate position (physical or analytical) online at <https://jobs.wichita.edu>: letter of application, curriculum vitae including a list of publications, and statement of teaching philosophy. In addition a description of research plans with estimated start-up costs and letters of recommendation from 3 individuals familiar with the applicant's professional accomplishments and qualifications should be sent to **Search Committee, Department of Chemistry, Wichita State University, Wichita, KS 67260-0051**, or e-mailed to chemistry@wichita.edu. Additional information on these positions, along with a full list of required and preferred qualifications is available at www.wichita.edu/chemistry. Offers of employment are contingent upon completion of a satisfactory criminal background check as required by Kansas Board of Regents policy. *Wichita State University is an affirmative action/equal opportunity employer dedicated to creating a diverse community. Individuals from underrepresented groups are encouraged to apply.*

The CCHF invites applications for the position of Scientific Program Administrator. This individual will work with the CCHF scientists to facilitate, promote and organize the research efforts. The duties include, but are not limited to, assistance with gathering and submission of research reports, organizing and providing oversight for research meetings (both web-based and site meetings), gathering, maintaining and distributing promotional materials, working with others to maintain the CCHF's website, developing and serving as a liaison with private partners of the CCHF, and providing oversight of research funding and expenditures. The ideal candidate will hold a Ph. D. in chemistry with preference to those who have experience in the field of homogeneous catalysts. Candidates with an M.S. degree and substantial experience will be considered. Previous involvement with management of scientific groups (e.g., research institutes, academic institutions, national laboratories or industrial groups) and strong interpersonal and organizational skills will be valuable. The initial salary will be commensurate with experience level.

SUBMISSION OF APPLICATIONS: Applications should include a current resume with a list of three references and a brief cover letter that outlines relevant experience in education and administration. All materials (including references) should be submitted at <https://jobs.virginia.edu> under position number: R4114 (NOTE: Enter this number in the position number box and not the posting number box). From the home page, click on "Search Postings" in the upper left corner and enter the position number in the search tool. Questions about the submission process should be sent to Ms. Valerie Dudding at:

vnh6y@eservices.virginia.edu

Questions about the position should be directed to:
tbg7h@eservices.virginia.edu

EMPLOYMENT OPPORTUNITIES, *continued*



The Department of Biochemistry at Purdue University, West Lafayette, Indiana invites applications for a tenure track faculty position at the Assistant or Associate Professor level. Areas of interest include, *but are not limited to*, enzyme function (e.g. protein structure/function relationships, metabolic pathway analysis), the biochemistry of disease (e.g. metabolic processes related to cancer, epigenetic factors that influence disease) and the function of RNAs in biological systems (e.g. small RNAs that impact gene and protein expression, RNA catalysis). Applicants whose research is enabled by genomic approaches will be of particular interest. The successful candidate will be expected to develop an internationally-recognized research program, interact with diverse faculty, staff and students across campus, demonstrate excellence in teaching and function as an active member of the department and university faculty.

The Department of Biochemistry is part of a large and vibrant life science community. Our faculty participates in interdisciplinary programs in cancer, plant biology, neuroscience, biophysics, genetics and bioinformatics. Support facilities are available for genomic analysis, metabolomics, protein mass spectrometry, NMR, X-ray crystallography, microscopy, and transgenic animal research. For more information see www.biochem.purdue.edu.

Applicants for assistant professor should have a Ph.D. degree, at least two years of post-doctoral experience, a strong publication record, the potential to develop a vigorous, extramurally-funded research program, and a commitment to research and teaching excellence. Candidates at the associate professor level must have a track record of academic achievement and external funding in addition to the above. A background check will be required for employment in this position. Applications should include a cover letter, curriculum vitae, two-page summary of research interests, one-page teaching statement and the names and contact information of three references. Applications should be submitted electronically to biochem-search@purdue.edu

Screening of applications will begin November 1, 2011 and will continue until the position is filled.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer fully committed to achieving a diverse workforce.

EMPLOYMENT OPPORTUNITIES, *continued*



UNIVERSITY OF BRITISH COLUMBIA

DEPARTMENT OF CHEMISTRY

CANADA RESEARCH CHAIR TIER II

CHEMICAL SENSING

The Department of Chemistry at the University of British Columbia (www.chem.ubc.ca) invites applications for a Tier II Canada Research Chair position in the field of Chemical Sensing. The focus of the chair will be to advance the science of chemical measurements through the development and application of new analytical methodologies in order to characterize and better understand complex, dynamic chemical systems such as those found in single cells or in natural ecosystems.

The position requires a Ph.D. degree, postdoctoral experience and an exceptional research track record. The successful candidate will develop and maintain a dynamic research program that fosters new opportunities for the development of new translational analytical platforms. As a faculty member in the Department of Chemistry the successful applicant will be expected to effectively supervise graduate students, collaborate with other faculty members, obtain external funding, effectively teach undergraduate and graduate Chemistry courses and actively participate in departmental activities.

The successful candidate will be eligible to hold an appointment at the tenure-track Assistant Professor level but a higher rank may be considered for applicants with exceptional qualifications and experience. The anticipated start date is July 1, 2012.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. UBC is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of any sexual orientation or gender identity, and others who may contribute to the further diversification of ideas. However, Canadians and permanent residents of Canada will be given priority.

Canada Research Chairs are open to individuals of any nationality; offers will be made in accordance with the Canadian Research Chair program. Information about the Canada Research Chair program can be found at <http://www.chairs-chaires.gc.ca/>

Applicants should send curriculum vitae, a list of publications, a summary of research interests, a detailed research proposal, a statement of teaching philosophy and experience and arrange to have three reference letters sent directly to:

Chair, CRC Tier II Search Committee

2011crcsearch@chem.ubc.ca

Deadline for complete applications is **NOVEMBER 15TH, 2011**

EMPLOYMENT OPPORTUNITIES, *continued*

We are looking for an organic chemist with experience in the isolation and characterization of natural products preferably from filamentous fungi to contribute to studies of compounds from foliar endophytes of conifers. These fungi contribute to the tolerance of species such as white spruce and white pine to resistance to insect pests and needle diseases. This is part of a large, multiyear project investigating the role of these important fungi in the Acadian forest. For examples of some of the work this involves see (J Chemical Ecology 34:362; J Natural Products 71:1393; Nat Prod Commun 4:1497; Phytochemistry 71:760; Phytochemistry 72:1833).

This is available immediately.

Please contact J. David Miller, Department of Chemistry, Carleton University.

david_miller@carleton.ca

The Department of Chemistry, University of Toronto, invites applications for two full-time teaching stream positions at the rank of **Lecturer**, effective on or shortly after July 1, 2012. Applicants should possess a Ph.D. in chemistry.

Candidates will have a strong background in organic and/or environmental chemistry and will be expected to teach introductory and higher level courses and labs at the undergraduate level. Evidence of excellence in teaching is necessary. The successful candidate will be expected to be active in undergraduate research and perform related professional and administrative activities within the department. Salary will be commensurate with qualifications and experience.

Appointments at the rank of Lecturer may be renewed annually to a maximum of five years. In the fifth year of service, Lecturers shall be reviewed and a recommendation made with respect to promotion to the rank of Senior Lecturer.

Please submit your application online, <https://utoronto.taleo.net/careersection/10050/moresearch.ftl?lang=en> and refer to Requisition ID 1100804. Applicants should submit a teaching dossier, in a single pdf file (<2Mb), comprising a curriculum vitae, evidence of teaching practice, and a 3 page statement of career goals, teaching philosophy and undergraduate research plan.

Applicants should also arrange for signed letters from three referees, familiar with the candidate's teaching and academic background, to be sent to receptn@chem.utoronto.ca. The deadline for applications is September 30, 2011.

For more information about the Department of Chemistry and our courses, please visit our website, www.chem.utoronto.ca.

OTHER OPPORTUNITIES



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*



2nd Annual WISEST Lectureship

Women Leaders in Science & Engineering: *Why So Few?*

Dr. Elizabeth Cannon, P.Eng.

President & Vice-Chancellor
University of Calgary

Thursday, November 1, 2011

5:30 pm – Networking Reception

6:30 pm – Lecture

TELUS Centre, University of Alberta

RSVP at www.wisest.ualberta.ca



**the Canadian
Science Policy Centre**
better policies, better science

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

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