

Chemistry Newsletter

Office Hours for Chemistry General Office and Purchasing
Monday – Friday 8:15-12:00 and 1:00-4:15

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VISITING SPEAKERS

Prof. Robert Lipson, Department of chemistry, University of Western Ontario, London, Ontario will speak on “Technique development for mass spectrometry and photonics applications” on Thursday, March 17, 2005 at 2:00 p.m. in E3-25.

Professor Jonathan Ellman, Department of Chemistry, University of California at Berkeley, will speak on "Practical New Methods for Selective Carbon-Carbon Bond Formation" on Monday, April 11 at 11:00 a.m. in V-107

NOTICES

The next cumulative examination will be held on Saturday, April 2, 2005 at 11:00 a.m. in Room E5-36.

502 SEMINARS

Alvetina Goulko will speak on “Colorimetric Lead (Pb) Biosensors Based on DNAzyme-Assembled Gold Nanoparticles” on Friday, March 11, 2005 at 4:00 in V-106

Ali Rostami will speak on “Recent applications of Tungsten Vinylidene complexes in organic synthesis. A new route for constructin of cyclic molecules” on Monday, March 14 at 11:00 a.m. in V-107

Josh Morrissey will speak on “Design, synthesis, and application of particle-based fluorescence resonance energy transfer sensors for carbohydrates and glycoproteins” on Wednesday, March 16, 2005 in V-107 at 11: a.m.

Genomics Workshop will be held from May 2-7 in Calgary. Prereq: Bioinformatics workshop or equivalent experience. Workshop counts towards a Certificate in Bioinformatics www.bioinformatics.ca

Access Grid How-To Sessions

All University researchers are encouraged to participate to confirm your local Access site's location visit www.westgrid.ca or contact Jana at 210-5489 or jana@netera.ca Collaboration Monday, March 7, 2005 9:30-11:30 a.m. Presenter Brian Corrie; Open MP Monday, March 14, 2005 9:30-11:30 a.m. Presenter: Ed Sumbar.

From the Chemistry Graduate Students' Society:

Hockey Tickets for sale:

Are you missing the cancelled NHL hockey season? The Chemistry Graduate Students' Society (CGSS) are selling tickets to help you get your hockey fix.

Edmonton Roadrunners vs. St. John's Maple Leafs
Friday April 8, 2005 Rexall Place, 7:00 pm

Tickets are \$10 for students and post docs and \$15 for a friend or significant other. LRT transportation to the Coliseum station is available for \$4 roundtrip. Jason Anderson (dja@ualberta.ca, office E3-10) and Amy MacDonald (amy.macdonald@ualberta.ca, office W3-18) are now selling tickets. Don't wait to purchase your tickets as they will sellout!

Open CGSS executive meetings:

The CGSS executives would like to announce that they meet semi-regularly on Wednesdays at noon in the fourth floor lounge (E4-43). Anyone is welcome to observe or participate in the discussions during these meetings. If there is a particular issue or concern you wish to bring up, please send us an e-mail at cgss@chem.ualberta.ca to get a spot on the next meeting's agenda.

Banff Symposium on Organic Chemistry (BSOC) 2005 November 10-12th, 2005 Website: www.bsoc.ca

The 2nd BSOC will be held in picturesque Banff in the fall of 2005. This conference aims to highlight students' research in the fields of synthetic, bio-organic, materials and organometallic chemistry, while providing an opportunity to discuss their work with industrial, post-doctoral and faculty researchers.

The conference will span two and a half days, opening Thursday evening with an exciting mixer and a lecture by an internationally renowned speaker. Friday will feature a full day of presentations by invited speakers as well as graduate students from across Canada, followed by an evening poster session. Presentations will continue on Saturday, concluding in the afternoon.

Keynote speakers for the 2005 BSOC include Dr. Matthew Shair (Harvard University), Dr. Carolyn Bertozzi (UC Berkeley), Dr. Ben L. Feringa (University of Groningen), Dr. John F. Hartwig (Yale University), and a representative from Merck-Frosst.

Online registration and abstract submission begins March, 2005.

EMPLOYMENT OPPORTUNITIES

ARE POSTED ON THE BULLETIN BOARD
ACROSS FROM THE ELEVATORS ON THE THIRD FLOOR
PLEASE DO NOT REMOVE THE EMPLOYMENT NOTICES FROM THE
BULLETIN BOARD

Employment opportunities are posted on a new internet site:
<http://www.careerowl.ca>

Le campus de Moncton recherché des candidatures au poste
Titulaire de la chaire d'Études K.C. Irving en développement
durable www.umoncton.ca

Tulane University has a Postdoctoral position available for an
experimental physical chemist. Please submit cv and at least two
letters of reference to Prof. Mark Sulkes, Chemistry Department
Tulane University, New Orleans, LA 70118 USA

www.sciencejobs.com

Quadris Canada Fuel Systems requires a graduate physical
chemist to provide technical expertise in all aspects of the
company's emulsion fuel business in Canada and internationally
in accordance with agreed business plans.

<http://www.quadriscanada.com/>

Le Campus de Moncton, sollicite des candidatures pour combler
le poste Professeure ou professeur en chimie analytique ou en
chimie de l'environnement bourquch@umoncton.ca

University of Western Ontario, has a postdoctoral position
available in supramolecular organic chemistry.

University of Manitoba, Faculty of Science seeks applications
or nominations for a Tier I Canada Research Chair in the field of
experimental or theoretical Materials Science based in the Faculty
of Science. www.umanitoba.ca/faculties/science.

University of Manitoba, Faculty of Science seeks applications
or nominations for a Tier I Canada Research Chair in the field of
structural biology located in the Faculty of Science.

www.umanitoba.ca/faculties/science.

University of Ontario Institute of Technology, Faculty of
Science invites applications for two tenure-stream positions in
Forensic Science (Chemistry and Biology) at any rank. For more
information please see <http://www.science.uoit.ca>

Umicore Canada has an opening for a Ph.D. in inorganic or
physical chemistry at their Research and Development department
in Fort Saskatchewan. For more information please visit our
website <http://www.umicore.com>

CV Technologies Inc. has a position performing routine QC
testings according SOP and method development and validation
under supervision of QC scientist. Please send resume to:
careers@cvtechnologies.com.

University of Manitoba invites applications for a full-time
tenure-track faculty position in Biochemistry at the rank of
Assistant Professor. For further information, see our webpage at:
<http://umanitoba.ca/chemistry/>

Outreach Activities can be accessed
at: www.ualberta.ca/Outreach/whats%20new.htm#science

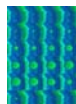
**Edmonton Regional Science Fair is recruiting judges for the
Fair on April 9, 2005.** Please see www.scincehotline.ca for more
information.

Achievements and Recognitions

Congratulations to Dr Lois Browne as the winner of
the 2004-05 Faculty of Science Innovation in Teaching
Award. This award recognizes creative contributions
to the development of tools for the innovative
presentation of coursework, new curriculum design,
and the creation of an improved teaching and learning
environment.

Congratulations to Dr. Angela Morales-Izquierdo on
being selected as one of two winners of this year's Nat
Rutter Outstanding Technician Award sponsored by the
University Chapter of Sigma Xi, The Scientific
Research Society. Selection is based on quality of
work and knowledge of the position; technical
scientific or engineering skills; innovation and
initiative; dedication and loyalty to the institution and
rapport with staff and students.

Chemistry in the News...



Temperature Inside Collapsing Bubble Four Times That Of Sun (March 9, 2005) —

Using a
technique employed by astronomers to determine stellar
surface temperatures, chemists at the University of Illinois at
Urbana-Champaign have measured the temperature inside
a single, acoustically driven collapsing bubble. > [full story](#)

UIC Chemist Develops Tools For Nanotechnology

(March 8, 2005) — Yoshitaka Ishii, assistant professor of
chemistry at the University of Illinois at Chicago, sees a big
future in the microscopic world of nanotechnology. His work
in characterizing the structure and functions of the molecular
building blocks for these tiny devices may play a key role in
making this future a reality. > [full story](#)

Successful Test Of Single Molecule Switch Opens The Door To Biomolecular Electronics (March 6, 2005) —

A
team of scientists led by biophysicist Stuart Lindsay from the
Biodesign Institute at Arizona State University has created
the first reproducible single molecule negative differential
resistor – and in the process has developed a
groundbreaking experimental technique that provides a
“roadmap” for designing single-molecule devices based on
biochemistry

<http://www.sciencedaily.com/directory/Science/Chemistry>