

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

Dr. Milton Lee, H. Tracy Hall Professor of Chemistry, Department of chemistry and Biochemistry, Brigham Young University, Provo, Utah, USA, will speak on "Ultrahigh pressure capillary liquid chromatography" on Thursday, April 28, 2005 at 11:00 a.m. in V-107.

Prof. James Morken, Department of chemistry, University of North Carolina at Chapel Hill, will speak on "Catalytic asymmetric synthesis thru the intermediacy of stereogenic carbon-metal bonds" on Monday, May 2, 2005 at 11:00 a.m. in V-107

The Reuben Benjamin Sandin Lecture series presents **Prof. Henri Kagan**, Department of Chemistry, Université Paris Sud University, will speak on the following topics in E1-60

Mon., May 9 11:00 a.m.	"Some aspects of screening in asymmetric catalysis"
Tues., May 10 4:00 p.m.	"History of asymmetric synthesis"
Wed. May 11 11:00 a.m.	Asymmetric amplification and propagation of chirality in chemical systems

NOTICES

502 SEMINARS

Sherri MacLeod will speak on "Array biosensor for detection of ochratoxin A in cereals and beverages" on Wednesday, April 27, 2005 at 11:00 a.m.

Nina Vo will speak on "Extending the Pummerer Reaction: The Vinylogous and Vinylogous-Type Pummerer Reactions" on May 2, 2005

W.E. Harris Teaching workshop in Analytical Chemistry, May 26-27, 2005. To assist with planning for a symposium being organized at the CSC Conference in Walter Harris' honour please e-mail either ron.kratochvil@ualberta.ca or Robert.Crawford@ualberta.ca

Reactive intermediates in photochemistry – an international symposium celebrating Tito Scaiano's achievements August 24-26, 2005, University of Ottawa, Ottawa, Canada.
<http://scaiano-symposium.com/index.html>

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

National Carbohydrate Symposium organized by the Alberta Ingenuity Centre for Carbohydrate Science to be held at the Fairmont Chateau Lake Louise April 29 and 30, 2005. www.aiccs.com

On Monday, April 18, 119 votes were cast in the CGSS elections (-59% voter turnout). The new Chemistry Graduate Students' Society executive is: President: Richard Paproski; Vice-President External: Dave Norman; Vice-President Organic: Eric Fan; Vice-President Inorganic: Rahul Samant; Vice-President Physical: Julie Michaud; Vice-President Analytical: Stuart Chambers; Treasurer: Gabor Borzsonyi; Secretary: Paul Fancy; Social Conveners: Amy MacDonald and Nick Warner

401/403 Presentations

April 25, 2005 Monday, 10:00 a.m. - Chem E3-25
Ryan Lister- "Improved calibration methods for AFM"

Rick Berkenbosch "The Optimization of Patterning in Inverted Atomic Force Microscopy"

Dominique Hebert "Electro-oxidation of Isopropanol in an alkaline medium with possible application as a fuel for a rechargeable fuel cell"

Jesse Li- "Progress Toward the Elucidation of the Post-PKS Transformations of Dihydromonacolin L"

Jeffrey Mowat- "Iterative synthesis of marine polyether laddertoxin yessotoxin"

April 29, 2005 Friday, 10:00 a.m. E5-36

Jesse Kadosh - Optimal Laser Control of Vibrational Population Transfer: Isotope Effects

Hariyanto Darmawan "Electric dipole moment of van der Waals complexes: Helium_N-carbonyl sulfide"

May 2, 2005 Monday, 10:00 a.m. E3-25

Melissa Gajewski "Inversion of symmetric polystyrene b-polyvinyl-4 pyridine micelles on substrates".

Lise Menard "Patterning features on semiconductor surfaces via diblock copolymer templates".

Jose Rodriguez "TGA and TPD analysis of hydrogen desorption from nanoporous silicon matrix".

Stephanie Wong "Pair Densities for the Investigation of Quantum Nanodroplets".

Felicia Owokalu - "Synthesis and characterization of ortho-substituted aryl boronic esters: a look at intermolecular boron interactions."

May 3, 2005 Tuesday, 10:00 a.m. E5-36

Paul Bichler- "Optimal laser control of vibrational population transfer: Isotope effects"
13C-Labeling

Ruokun Zhou- "Preparation of a Pyran-2-one building block for the study of [4+4]-photocycloaddition reaction"

Hashem Taha- "Synthesis and Conformational Analysis of Various α -D-Arabinofuranosides"

Shauna Durocher "Arsenic speciation in a variety of food samples using HPLC-ICPMS"

Tyler Taerum "Synthesis and Study of Diaryltetrayne Derivatives in the Solid-state NMR"

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>

Mt. Allison University, has immediate funding for a PostDoc for one year in the area of organic synthesis.

:<http://www.jta.ca/faculty/science/chem./staff/asgrant.htm>

University of Ontario – Institute of Technology, invites applications for a position of senior laboratory instructor to start on June 15, 2005 competition #UOIT05-06. <http://www.uoit.ca/>

Cabot Superior MicroPowders, requires an analytical laboratory manager scientist. <http://w1.cabot-corp.com/controller.jsp?N=21+1008>

Renaissance College and Faculty of Science at UNB invite applications for a joint position in chemistry and interdisciplinary education at the Instructor level. www.unb.ca/renaissance/TRH2 and www.unb.ca/Fredericton/science/chem

Grant MacEwan College, Faculty of Arts and Science seeks an excellent candidate for a full time instructor appointment in the area of organic/bioorganic for the Department of Chemistry, beginning July 2005.

Position Title: Postdoctoral Fellowships ? (1) Macromolecular Design for DNA Delivery, and (2) Organic Chemistry of Bisphosphonates. Background in organic, peptide, or biochemistry is desired. Location: Department of Chemical & Materials Engineering, University of Alberta. Contact: Hasan Uludag, Associate Professor, University of Alberta, e-mail: hasan.uludag@ualberta.ca.

St. Mary's University College requires a full time lecturer or assistant professor in Chemistry (limited term 12 month position) see employment board for more details

Voisey's Bay Nickel Co. is recruiting 2 permanent, full time Chemists and 1 senior chemist. See employment board for more details

Triumf is looking for a good synthetic chemist at the Master level. www.coop.uvic.ca/chemcoop

University of California, Department of Chemistry is searching for an Assistant or Associate Professor level in Biophysical NMR Spectroscopy. www-chem.ucdavis.edu

Roche has opportunities for the following employment opportunities – Research Associate I/II/III; Research Scientist II and principal research scientist/Research leader for medicinal chemistry and research scientist I/II for Pharmaceutical Analysis. <http://paloalto.roche.com>

Cornell University, has a Postdoctoral position available in the Department of Microbiology and Immunology at the Medical College of Cornell University.

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

The next cume exam will be held on Saturday, May 7, 2005
in E5-36 at 11:00 a.m..

NMR News 2005-01 is now available at <http://nmr.chem.ualberta.ca> with the following content:

- m400 spectrometer: usage during the summer months
- larger sweep widths in AO-VNMR (1D and 2D)
- computer upgrades
- personal identification for instrument use

FAQ: length of NMR experiments: how do parameters affect it?

Achievements and Recognitions

Todd Lowary has been named the 2005 recipient of the Horace S. Isbell Award of the Division of Carbohydrate Chemistry, American Chemical Society. The award recognizes excellence of contributions to carbohydrate chemistry and outstanding service to the Division.

We are very pleased to announce that Christie McDermott has accepted the position of Assistant Chair (Student Services) in our Department, replacing Margaret-Ann Armour who retires on June 30, 2005.

Christie will begin her new appointment on May 1, giving her some time to "learn the ropes" from Margaret-Ann before she moves to the Dean's Office in her new post-retirement position.

Congratulations to the following people who received a 2005 NSERC

Doctoral level Awards: Leah Martin, Sherri MacLeod, Lara Silkin, Andrew Grosvenor, Julie Michaud, Rick Bauer, Darren Derksen, Mitchel Flegel, Yoonjung Huh

Master's level Awards: Brian Ashwer, Logan Larocque, Xuan Chen, Andrea De Souza, Robbie Nisse

Postdoctoral Fellows: Jamie Rich, Andrew Scholte

Sponsorship for "Walk with MS"

- Gail Cowie and Karl Kopecky ("Team Indefatigable") have entered the "Walk for MS" to be held on May 29. They anticipate completing the 10-15 km walk, with Gail walking a small part of the route and Karl pushing her in a wheelchair for the rest of the way.

Gail and Karl are seeking sponsors for this walk in support of the Multiple Sclerosis Society. Anyone interested in sponsoring them is encouraged to contact Jeannette Loiselle in E3-44. Any level of support will be greatly appreciated.

