

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. 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

Nina Vo will speak on "Extending the Pummerer Reaction: The Vinylogous and Vinylogous-Type Pummerer Reactions" on May 2, 2005 at 2:00 p.m.

Robin Hamilton will speak on "Hydroformylation of olefins in supercritical CO₂: a new approach to an old reaction" on Wednesday, May 4, 2005 in V-107 at 11:00 a.m.

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

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

Please view pictures of the Chemistry Students' Association Teaching Awards ceremony and festivities at: <http://www.chem.ualberta.ca/~chemsa/tea05.html>.

The students did a great, creative job!

401/403 Presentations

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

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

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".

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

Paul Bichler- "An Investigation of Migratory Aptitude in an Alkylidene Carbene Species by 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"

Sauna 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>

University of Waterloo, requires a Materials Chemistry senior laboratory instructor. See board for more details

Western University, applications and nominations are invited for the position of Dean of Science – appointment effective 1 July 2005 for a period of five years. <http://www.uwo.ca/sci>

Toyota Technical Center, USA Inc. is seeking a Post Doctorate Researcher w/experience in Lithium Batteries to join the Advanced Research Group at their Ann Arbor, Michigan facility. See board for more details.

Mt. Allison University, has immediate funding for a PostDoc for oneyear 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

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

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?



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 Loiseau in E3-44. Any level of support will be greatly appreciated.

Chemists' Rules of ... <can we relate?>

• • RULES OF THE LAB

When you don't know what you're doing, do it neatly

Experiments must be reproducible. They should fail the same way each time

First draw your curves, then plot your data.

Experience is directly proportional to equipment ruined.

A record of data is essential. It shows you were working.

To study a subject best, understand it thoroughly before you start.

To do a lab really well, have your report done well in advance.

If you can't get the answer in the usual manner, start at the answer and derive the question.

If that doesn't work, start at both ends and try to find a common middle.

In case of doubt, make it sound convincing.

Do not believe in miracles---rely on them.

Team work is essential. It allows you to blame someone else.

All unmarked beakers contain fast-acting, extremely toxic poisons.

Any delicate and expensive piece of glassware will break before any use can be made of it. (Law of Spontaneous Fission) Dave Coble