



# Chemistry Newsletter

*Chemistry Winter Office Hours are  
Monday – Friday 8:30-12:00 and 1:00-4:30  
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## VISITING SPEAKERS

The Analytical Division of the Department of Chemistry, University of Alberta is proud to present **Prof. Victoria McGuffin**, Department of Chemistry, Michigan State University, East Lansing, MI USA who will speak on “Using fundamental thermodynamic and kinetic studies to investigate the urban legends of separation science” on Tuesday, December 14, 2004 at 11:00 a.m. in V-107

## 502 SEMINARS

Qing Wen will speak on “Coherent Control of Photochemical Reactions” on Wednesday, December 15, 2004 in V-107 at 11:00 a.m.

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## Congratulations to the following students:

- Chantel Benson for passing her candidacy on November 3, 2004.
- Stephen Fletcher for passing his Ph.D. defense on November 18, 2004.
- Dehe Li for passing his M.Sc. defense on November 26, 2004.
- Weijie Wang for passing her Ph.D. defense on December 6, 2004.
- Kowlasar Misir for passing his M.Sc. defense on Tuesday, December 7, 2004.

## NOTICES

**Graduate Students** – Information regarding January 2005 Orientation for Graduate Teaching Assistants is available on the table by the mailbox.

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Starting January 4, 2005 the general office, purchasing and mailroom offices will have new office hours in keeping with the Faculty of Science. We will be open from 8:15 a.m. -12:00 noon and again from 1:00 p.m. - 4:15 p.m. year round.

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Our condolences go out to Christine Otter whose mother passed away recently.

## 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>**

**Olds College** has an opportunity for a Laboratory Service Worker II in the New Crops from Products and Bioprocessing area.

[www.oldscollege.ab.ca/employop](http://www.oldscollege.ab.ca/employop)

**Olds College**, has an opportunity for a Laboratory Technician I in the New Crops from Products and Bioprocessing area.

[www.oldscollege.ab.ca/employop](http://www.oldscollege.ab.ca/employop)

**Southern Illinois University Carbondale**, Department of Chemistry and Biochemistry is seeking to hire a tenure track Assistant Professor. **University of Texas**, Department of chemistry invites applications for a tenure track opening in organic chemistry at the Assistant Professor level.

**Université du Québec à Montréal**, Department of Chemistry and Biochemistry invites application for a tenure-track position in any area of material science. There is also an opening for a Biochemistry assistant Professorship.

[http://www.er.uqam.ca/nobel/dep\\_chim/dep\\_chim.htm](http://www.er.uqam.ca/nobel/dep_chim/dep_chim.htm)

**University of Saskatchewan**, Department of Biochemistry has a Research and Teaching program in Biomolecular Structure, jointly offered by the department of Biochemistry, College of Medicine and the Department of Chemistry.

**University of Manitoba** invites applications for a full-time tenure track faculty position in Organometallic Chemistry at the rank of Assistant Professor [Organo\\_Metallic@umanitoba.ca](mailto:Organo_Metallic@umanitoba.ca)

**Carleton University** has a full-time tenure track position at the Assistant Professor level in the Department of Chemistry

**AnorMed**, has openings for a synthetic organic chemists at the B.Sc./M.Sc. level. Website - [www.anormed.com](http://www.anormed.com)

**Outreach Activities** can be accessed at:  
[www.ualberta.ca/Outreach/whats%20new.htm#science](http://www.ualberta.ca/Outreach/whats%20new.htm#science)

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As we hurry and scurry getting ready for exams and thinking about Christmas and holidays, let us stop and think about those who are not quite so lucky and do not have the necessities that we so often take for granted. The Purchasing Office has a box set up in their office for a family with three children picked by the Christmas Bureau to get a Christmas Hamper. A list set by the Christmas Bureau is posted by the box, of suggested items that you could give.



## Christmas Social

The Chemistry Department Christmas Social will be held in the Staff Lounge (E4-43) on Thursday, December 16, 2004 from 3:00-7:00 p.m. Goodies and refreshments will be available.

## **Holiday Closures:**

The University will be closed from December 25, 2004 through to January 3, 2005 inclusive.

Closed Monday December 27, 2004 in recognition of Christmas Day falling on the Saturday.

Winter Closure will be from Tuesday December 28, 2004 to Friday, December 31, 2004.

Closed Monday January 3, 2005 in recognition of New Years Day falling on the Saturday.

**Building occupants should be aware of the following items:**

1. The last cleaning to take place in buildings will be on the night of December 23rd. Occupants should remove all wet trash to the daily collection sites which are the large round grey plastic containers found in corridors.
2. All windows need to be closed and locked before leaving for the holidays
3. The Heating, Ventilating and Air Conditioning systems will be working in the manner they normally operate on weekends. Systems that operate on weekends will remain on during the Christmas closure and systems that are shut off on weekends will be off during that period.
4. If occupants require assistance during the closure they can contact the Control Centre at 492 – 5555, the Control Centre will be operational throughout the closure period.

All inquiries and requests to have buildings open during the closure period will need to be forwarded to myself. It should only be necessary to arrange for a building to be kept open if there is a significant demand. Most faculty and support staff have building and office keys which will allow them access during the closure.

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**Volunteers needed:** The Wisest (Women in Scholarship, engineering, science & Technology) Group needs volunteers for an annual event known as Choices: A conference for Grade Six students on February 23 and 24, 2005. Please contact the Project Coordinator (Preeti Nigam) at 492-7774 or visit their website at <http://www.wisest.ualberta.ca/>



## Chemistry Department Christmas Raffle

- 1st Prize - 13" Color Television (from VWR),
- 2nd Prize - Samsung DVD Player (from Fisher),
- 3rd Prize - Sleeping Bag & Water Bottle (from Sigma-Aldrich),
- 4th Prize - Wireless Keyboard (Aslan Computer Systems),
- 5th Prize - \$50 Staples Gift Certificate (from Praxair).

**Tickets are \$2.00 each or 3 for \$5.00,**

available from Sarah Magee (E3-47) Kowlasar Misir (W3-58), Jamie Hankey (E1-34), Andrew Scholte (W2-57), Lynne Lechelt (W4-35) or Shelly Forgeron (E3-23B). See posters for more details.



## CHEMISTRY 401/403 STUDENT PRESENTATIONS in E3-25

Paul Bichler: Mechanistic Investigation of a Modified Fritsch-Buttenberg Wiechell Rearrangement

Dominique Hebert: An Alkaline 2-Propanol Fuel Cell

Matthew Markiewicz: Molecular Dynamics Simulations of H<sub>2</sub>O in Confined Geometries

Hashem Taha: The Effect of Electronegative Substituents on Rotamer Population and Ring Conformation of  $\alpha$ -arabinofuranosides

**At 1:00 PM**

Marc Meunier: Conformational Study of a Five Membered Ring Arabinofuranoside

Jeffrey Mowat: Iterative Synthesis of Marine Polycyclic Ether Ladder Toxin Yessotoxin

Kris Rathwell: The Synthesis of a <sup>13</sup>C Labeled Triketide to Gain Insight into the Lovastatin Biosynthetic Pathway

**WEDNESDAY, DECEMBER 22, AT 10:00 AM**

Kyle Greene: TBA

Sean Gerber: Synthesis of Olefinic Derivatives with Silyl Acetylenes and Pyridine Substituents

Jose Rodriguez: Improving Detection Limits for Protein Analysis on Chip

**At 1:00 PM**

Richard Birkenbosch: Optimization of DPN in an Inverted Design

Harieyanto Darmawan: Dipole Moment Measurements with FT Microwave Spectroscopy

Robbie Nissen: A New Approach to the Synthesis of (-)-Slaframine via the Photolysis of a Diacyl Peroxide



**Please participate**



**Imaging 2004** The images submitted for the competition will be on display in E4-43, The Fourth Floor Lounge, after 12:00 on Tuesday December 14<sup>th</sup>. Ballots for a **Peoples Choice Award** will be available and you are asked to record your 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> choice. The ballot should then be placed in the Ballot Box located in Jackie Jorgensen's office E4-34. Voting ends at 12:00 on the 16<sup>th</sup>.