

## Visiting Speakers

**Jonathan Sweedler**, Lycan Professor of Chemistry, University of Illinois, Urbana, Illinois USA will speak on "From single neurons to brain regions: Characterizing cell to cell signaling in the brain" on Friday, April 13, 2007 at 2:00 p.m. in E3-25.

**Prof. Keith Fagnou**, Department of Chemistry, University of Ottawa, will speak on "Catalytic Carbon-carbon bond formation without activating groups: A new Biaryl Synthesis" on Monday, April 16, 2007 at 11:00 a.m. in DP 2104.

## 502 SEMINAR

**Roderick Chisholm** will speak on "Peptide-labeled near-infrared quantum dots for imaging tumor vasculature in living subjects" on Wednesday, April 11, 2007 at 11:00 a.m. in E3-25.

**Venugopal Miyyapuram** will speak on "Recent Developments and Applications of the Biginelli Reaction" on Wednesday, April 18 at 1:00 p.m. in E1-60

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The CGSS Division 4 hockey team, the Chemical Brothers, won the division championship for the second year in the row this past weekend. We may want to nickname the department - University of Alberta Chemistry - Department of Champions.

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**Congratulations to the following graduate students** who were recently awarded NSERC PGS and PDF fellowships.  
*NSERC Postgraduate Scholarship Master's*: CGSM: Anne Cooper and Stephan Kibbee; PGSM: Tina Bott, Jessie Key and Matt Zamora  
*NSERC Postgraduate Scholarship Doctoral*: Wes Chailfoux, Tim Elford, Dan Lehnerr, Marlin Penner and Avena Ross.  
*NSERC Postdoctoral Fellowship*: Graham Murphy.  
Well done, the Department is proud of your accomplishments.

**Congratulations to Alex Brown and Laura Deakin** for winning the Chemistry Students' Association award for Excellence in Undergraduate Teaching! This award is unique in Science, in that it is solely administered and funded by students.  
Congratulations to Alex and Laura!

**Congratulations to Randy Whittal** on receiving the Faculty of Science Service Award.

## 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.

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

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**Mt. Allison University** invites applications for a 9 month teaching appointment in organic chemistry.  
<http://www.mta.ca/faculty/science/chem/index.html>

**St. Francis Xavier University** invites applications for a ten month limited term appointment at the Assistant Professor level beginning August 1, 2007.

**Scientific American** is searching for a start up client in Massachusetts at a Nanofabrication Scientist. Ph. Nick Meyler 818-597-3200 ext. 211.

**Alberta Sulphur Research Limited** requires a postdoctoral fellow <http://www.chem.ucalgary.ca/asr/>

**University of Alberta (Bio Sci)** has a summer job opportunity as a chemical lab assistant – please employment board for more information.

**Xenon Pharmaceuticals Inc.** has openings for 2 BS/MS and 1 PhD chemists to start immediately.

**MCAT preparation program**, requires individuals with a passion for teaching and great background in general, and/or organic chemistry. [InfoVancouver@review.com](mailto:InfoVancouver@review.com)

**Outreach Activities** can be accessed at: [www.ualberta.ca/Outreach/whats%20new.htm#science](http://www.ualberta.ca/Outreach/whats%20new.htm#science)  
'Archived Outreach activities can be found at <http://www.mailman.srv.ualberta.ca/pipermail/fgsr-outreach/>.

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A **celebration of Magda's life** will be held on Tuesday 10 April 2007 at 3:00 PM at the Garneau United Church/The Ashbourne 11148 - 84 Avenue, Edmonton

Please look at the website we have created in honour of Magda

<http://www.magdakemenyjones.blogspot.com/>

# CHEM 401/403 Talks

## Monday Apr. 16, 2007 in E3-25

Time	Speaker (Supervisor)	Title
9:00 AM	Michael Hass (Bergens)	Catalyst Organic Frameworks for Asymmetric Hydrogenations
9:20 AM	Shawn Chizen (Stryker)	Synthesis of Bimetallic Cooperative Catalysts
9:40 AM	Melissa Faichuk (Veinot)	The Photochemical Etching of Silicon Nanocrystals
10:00 AM	<b>Matthew Sirtonski (Veinot)</b>	Improving the Thermal and Oxidative Stability of Polyfluorene-based Materials for Polymer Light Emitting Diodes (PLEDs)
10:20 AM	BREAK	
10:40 AM	<b>Zhendong Li (Loppnow)</b>	Photoluminescent Silicon Nanoparticles
11:00 AM	Susan Ng (Loppnow)	UV Resonance Raman Spectroscopy of 5-deuterouracil
11:20 AM	Walid Abdelaal (Wasylishen)	Preparation and Characterization of Metal Carboranes with Paramagnetic Centers
11:40 AM	Phuong Nguyen (Xu)	FTIR- Vibrational Circular Dichroism spectroscopy and Density Functional Theory studies of the chirality transfer effect in the aqueous solution of propylene oxide
12:00 PM	LUNCH	
12:30 PM	Karmen Ko (Klassen)	Arrhenius Parameters for Dissociation of Streptavidin-Biotin in the Gas Phase
12:50 PM	Nena Nguyen (Le)	Arsenic Speciation in <i>Typha latifolia</i> using HPLC ICP-MS
1:10 PM	Chen Liang (Lucy)	Study of Decomposition Kinetics of Carbazole Using High Temperature HPLC
1:30 PM	Nicole Oro (Lucy)	Anion- $\pi$ Interactions in Capillary Electrophoresis
1:50 PM	BREAK	
2:10 PM	Haley Carlson (Campbell)	Engineering Fluorescent Proteins: New Chromophore Structures and Comparison with Computational Predictions
2:30 PM	B.J. Medos (Tykwinski)	Synthesis of Nanodiamonds
2:50 PM	Princess Cornelio (Vederas)	Synthesis of orthogonally protected $\beta$ -methylanthionine derivatives
3:10 PM	Landon Reid (Vederas)	Synthesis of C-terminal Containing Peptides and the Development of a Side Chain Immobilizing Resin
3:30 PM	BREAK	
3:50 PM	Alissa Cheung (Lowary)	Synthesis of disaccharides for probing blood group glycosyltransferases
4:10 PM	Nikolas Romaniuk (Lowary)	Studies toward the synthesis of the repeating unit of the antigenic polysaccharide of <i>Eubacterium saburreum</i> , strain T19
4:30 PM	Mitch Huot (Cairo)	The Synthesis and Investigation of an Intramolecular Fluorescence Quencher
4:50 PM	Naresh Tulsi (Cairo)	Synthesis of a Probe for Protein Tyrosine Phosphatase
5:10 PM	Ryan Fradette (West)	Intermolecular Trapping of the Nazarov Intermediate via Electrophilic Aromatic Substitution
5:30 PM	Closing Remarks/Informal Social Gathering*	

\* All 401/403 students, their supervisors, and interested faculty are invited to attend the Closing Remarks and the informal social gathering @ the Powerplant to celebrate the achievements of the past term.