

## Visiting Speakers

**Prof. Laurel Schafer**, Department of chemistry, UBC, Vancouver, B.C. will speak on "Modular early transition metal amidate complexes for tunable catalytic reactivity. Applications in hydroamination, ring opening polymerization and C-H functionalization reactions" on Monday, December 1, 2008 @ 11:00 a.m. in MEC 2-1 (Mechanical Engineering Bldg).

**Dr. Zachary D. Schultz**, laboratory of Chemical Physics, National Institute of diabetes and digestive and kidney diseases, National Institutes of health, will speak on "Characterizing nanoscale heterogeneity in biomembrane systems" on Monday, December 8, 2008 @ 2:00 p.m. in E3-25.

**Richard Oleschuk**, Department of Chemistry, Queen's University, will speak on "Macroporous monoliths and materials in microfluidic measurements" on Tuesday, December 2, 2008 @ 4:00 p.m. in E3.25.

**Dr. Amanda Hummon**, Center for cancer research, National Cancer Institute, National Institutes for health, will speak on "Functional interrogation of genes driving colorectal cancer" on Wednesday, December 10, 2008 @ 3:00 p.m. in E3-25.

**Dr. Michael Serpe**, Department of Chemistry, Duke University, will speak on "Responsive polymeric materials: From functional materials to single molecule characterization" on Monday, December 15, 2008 @ 2:00 p.m. in E3-25.

**Cume examinations:** The next cumulative examination will be held on Saturday, December 6 @ 11:00 a.m. in E3-25.

### Boehringer-Ingelheim (Canada) Interviews

Please bring an updated resume.  
*Sign up before Tuesday, December 9<sup>th</sup>.*

Dr. Pierre Beaulieu and Dr. Paul Edwards of Boehringer-Ingelheim (Canada) will visit the Department on Thursday, December 11. They will interview primarily chemists with experience in synthesis. Interested students and postdoctoral fellows can sign up in E5-34 - the list will be on the door.

## Employment Opportunities

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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>.

**Wyeth Vaccines Research**, Pearl River, NY requires a principal research scientist I EX13, early phase Development. Job Summary: The incumbent will develop and/or design analytical assays for physico-chemical and structural characterization of carbohydrates, proteins and glycoconjugates including: NMR spectroscopy, GC, GC-MS, MS, HPLC, and CE. The incumbent will design, execute and/or develop a qualification of release, characterization, and stability assays for testing/characterization of intermediate, in-process, formulated, or final fill vaccine samples or raw materials used in the manufacture of vaccine materials in Vaccine R&D. The incumbent will represent Early Phase Analytical Sciences in appropriate project teams. Identify appropriate technologies and develop methods to more fully characterize vaccine candidates. Please see employment board for more information.

**Brandon University** invites applications for a one year term position in the area of biochemistry in the Department of Chemistry. Please see employment board for more information.

**Purdue University** invites applications for a tenure track faculty position at the Assistant or Associate Professor level. Areas of interest include *but are not limited to*, mechanistic enzymology (e.g. protein structure/function relationships, function of enzymes relevant to biofuel production), the biochemistry of disease (e.g. cancer, metabolism and obesity, epigenetic factors that influence disease), and the function of RNAs in biological systems (e.g. small RNAs that impact gene and protein expression, RNA catalysis), but all applications from well qualified individuals will be seriously considered. Please see [www.biochem.purdue.edu](http://www.biochem.purdue.edu). For more information.

## Chem 401/403 Talks Friday, Dec. 5, 2008 in E3-25

<b>Time</b>	<b>Student</b> <i>(Supervisor)</i>	<b>Title</b>
<b>9:20</b>	Kaitlyn Perrin <i>(Veinot)</i>	Phase and Oxidative-stability in Polufluorene-based materials
<b>9:40</b>	Leah Coumont <i>(Veinot)</i>	Synthesis and characterization of 2,7-dibromoflourenes: Comparing synthetic approaches.
<b>10:00</b>	<b>Break</b>	
<b>10:20</b>	Verner Lofstrand <i>(Stryker)</i>	Cobalt mediated [5+2] cycloaddition reaction: New ancillary ligand systems
<b>10:40</b>	Adam McKinty <i>(Stryker)</i>	Synthesis of model compounds for Bitumen vacuum residues and characterization of molecular aggregation.
<b>11:00</b>	Juan Wang <i>(Hall)</i>	A greener phase-switch concept for organic synthesis using boronic acids as productive Tags.
<b>11:20</b>	Michelle Morrow <i>(Hall)</i>	Enantioselective formation and allylboration of piperidinyl allylic boronate derivatives
<b>11:40</b>	<b>Break</b>	
<b>13:00</b>	Derek Mah <i>(Brown)</i>	Computational study of the excited states of blue fluorescent proteins
<b>13:20</b>	Steve Dempster <i>(Loppnow)</i>	Excited-state structural dynamics of uridine
<b>13:40</b>	Teague McGintie <i>(Lucy)</i>	Effect of Capillary inner diameter on the stability of double chained cationic surfacants used in capillary electrophoresis.
<b>14:00</b>	<b>Break</b>	
<b>14:20</b>	Brianna Slater <i>(Mar)</i>	X-ray photoelectron spectroscopy study of oxypnictides
<b>14:40</b>	Michael Gaultois <i>(Mar)</i>	Anionic Gallium – Gallium Bonding in RE-TM-Ga systems
<b>15:00</b>	Brett Feland <i>(Wasylishen)</i>	A solid state <sup>59</sup> Co NMR investigation of Ag <sub>3</sub> Co(CN) <sub>6</sub>
<b>15:20</b>	Cheryl Bain <i>(Buriak)</i>	TBA
<b>15:40</b>	Closing remarks/Informal Social Gathering*	

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