

## Visiting Speakers

**Prof. Frank Wuest**, Dianne and Irving Kipnes Chair in Radiopharmaceutical Sciences, Department of Oncology, Cross Cancer Institute, University of Alberta, will speak on "Transition metal-mediated reactions for C-C and C-N bond formation with the short-lived positron emitters carbon-11 and fluorine-18" on Monday, November 17, 2008 @ 11:00 a.m. in MEC 2-1 Mechanical Engineering.

**Dr. Francesco Paesani**, Center for Biophysical modeling & simulation and Department of Chemistry, University of Utah, will speak on "Understanding condensed phase phenomena through quantum molecular dynamics" on Monday, November 17, 2008 @ 2:00 p.m. in E3-25.

**Craig MacKinnon**, Department of Chemistry, Lakehead University, Thunder Bay, Ontario, will speak on "The intersection of crystal engineering and molecular semiconductors – controlling the solid state structures of new materials on Thursday, Nov. 20, 2008 @ 11:00 a.m. in CEB 321.

### Ph.D Seminar

**Ross Johnson**, will speak on "Design and assembly of helical rosette nanotubes" on Tuesday, Nov. 18, 2008 @ 2:15 p.m. in ETLC 1-007

**Dr. Ramses van Zon**, Department of chemistry, University of Toronto, will speak on "Transport and fluctuations in mesoscopic systems: Insights from nonequilibrium statistical mechanics and simulations" on Thursday, Nov. 20/08 @ 2:00 p.m. in E3-25.

**Prof. Lawrence Scott**, Louise & Jim Vanderslice, Professor of chemistry, Merkert Chemistry Centre, Boston College, Chustnut Hill, MA will speak on "Progress toward the chemical synthesis of single chirality carbon nanotubes" on Monday, November 24, 2008 @ 11: a.m. in MEC 2-1.

**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).

### 502 SEMINAR

**Hassan Elsaidi** will speak on "Validation of Cdc7 Kinase as a New target class for cancer cell chemotherapy on Wednesday, Nov. 19, 2008 @ 1:00 p.m. in NRE1-001.

**Wei Shi** will speak on "Synthesis and biological evaluation of novel aminosugar-containing anti-tumor compounds designed as mimics of anthracycline antibiotics" on Friday, Nov. 21/08 @ 1:00 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.

## This Weekend in Chemistry History

### November 14

**Leo Baekeland** born 1863: invented [Bakelite plastic](#) ([phenol-formaldehyde resins](#), [US patent 942,699](#)) and [Velox](#) paper; president of [Electrochemical Society](#)

- **Frederick Grant Banting** born 1891: [extraction of insulin](#) and its role in [diabetes](#); [Nobel Prize \(medicine\)](#), 1923. See [Banting, Best, et al. paper on pancreatic extracts and diabetes](#).
- **Harry Barkus Gray** born 1935: inorganic and bioinorganic chemistry (electronic structure, spectroscopy, mechanisms)
- **Auguste Laurent** born 1807: discovered [anthracene](#); obtained [phthalic acid](#) from [naphthalene](#); identified carboic acid with [phenol](#); nucleus theory of organic radicals; constructed a [saccharimeter](#)

### November 15

- **Carl Gassner, Jr.** received [US patent 373,064](#) for a [dry cell battery](#), 1887
- **Albertus Magnus** **died** 1280 (birth date unknown in 1200): discovered [arsenic](#) (As, 33); first to use the term [affinity in the chemical sense](#); better known today as a [Catholic saint](#) and [scholastic philosopher](#)
- **Humphry Davy** named [chlorine](#) (Cl, element 17), 1810. Chlorine had been called [oxymuriatic acid](#).

### November 16

**Joel Hildebrand** born 1881: liquids and solutions; introduced [helium](#) (He, element 2) into deep-sea diving

# 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.

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

**Saint Mary's University**, Halifax, Nova Scotia, invites applications for a tenure track position in analytical Chemistry at the rank of assistant professor to commence on July 1, 2009. Please see information board for more information.

**Acadia University** seeks outstanding candidates for a tenure track faculty position at the rank of Assistant Professor in the area of inorganic chemistry. Please see <http://chemistry.acadiau.ca/researchFacilities.htm> for more information.

**University of Nevada**, Reno, seeks applicants for a tenure track Assistant Professor in Physical/Analytical Chemistry. Please see <http://www.chem.unr.edu/facultysearch> for more information.

**Brock University** invited applications for a tenure track position in Analytical Chemistry or in closely related areas. Please see [www.brocku.ca/chemistry](http://www.brocku.ca/chemistry) for more information.

**Cape Breton University** invites applications for a tenure track position in organic Chemistry at the rank of Assistant Professor. Please see [www.cbu.ca/chemistry](http://www.cbu.ca/chemistry) for more information.