

CHEMISTRY NEWSLETTER

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17 June 2005

VISITING SPEAKERS

Professor Richard McCreery, Department of Chemistry, Ohio State University will speak on "Carbon-based Molecular Junctions: a Unique Approach to Molecular Electronics" on Wednesday 6 July 2005 at 1:00 pm in Room V-107 Physics Wing.

NOTICES

IMPORTANT — DOMESTIC HOT WATER SHUTDOWN — The domestic hot water shutdown will run from **Friday 17 June at 8:00 am to Sunday 26 June at 6:00 pm**.

IMPORTANT — DOMESTIC COLD WATER SHUTDOWN — The domestic cold water shutdown at Chemistry East, originally planned for Saturday 18 June has been changed to **Wednesday 22 June from 4:00 pm to 8:00 pm**.

IMPORTANT — CHILLED WATER SHUTDOWN — There will be a planned shutdown of the chilled water for Biological Sciences, Physics and some areas of the Chemistry building from **Saturday 25 June at 6:00 am to Saturday 25 June at 11:59 am**. This shutdown is to tie in the new CCIS building.

Congratulations to Richard Paproski who won 2nd Prize in the Analytical Chemistry poster competition at CSC 2005 in Saskatoon. Richard's poster described supercritical fluid chromatography separations of diesel fuels, and was co-supervised by Charles Lucy and Jean Cooley of Syncrude Research.

Congratulations to Andrew Scholte whose oral presentation at the 88th CSC in Saskatoon was judged to be of exceptional quality and selected for an Oral Award in the Bio/Med Division.

Congratulations to Thanh Luu who won 1st place in the Organic Division Oral Presentation at the 88th CSC in Saskatoon.

Congratulations to Dan Lehnherr who won 1st place in the Organic Division Undergraduate Student Poster Competition at the 88th CSC in Saskatoon.

Mixer — A mixer to welcome our summer undergraduate research students to the department will be held Wednesday 22 June from 4:00 to 6:00 pm. The event will be held in the courtyard between Physics and Chemistry (rain location: Chemistry Lounge, Room E4-43). Free food and beverages (non-alcoholic) will be served. All faculty and undergraduate students working in the Chemistry Department are welcome to attend. If you require further information, please contact Professor Alex Brown.

Outreach Activities — Chemistry — Belgravia teacher is looking for a Chemistry presentation for her Grade 4-5 class before the end of June. If you are interested, please contact the Outreach office at 492-0978 or email renee.polziehn@ualberta.ca School is very close to campus.

One-time Graduate Scholarships from Bell Canada — Bell Canada is offering 10 one-time graduate scholarships valued at \$12,500 to full-time Canadian students pursuing post-graduate degrees at universities across Canada. The scholarships will be awarded to students in areas of study, but not limited to telecommunications, communications, and IT innovation. For details, visit <http://www.studentawards.com>

Reactive Intermediates in Photochemistry — An international symposium celebrating Tito Scaiano's achievements — August 24 - 26, 2005, University of Ottawa, Ottawa, Canada

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>

Acadia University — Tenure-track position in Biochemistry
Dalhousie University — NSERC University Faculty Award

SURFACE SPECTROSCOPY TECHNICIAN — Faculty of Science - Chemistry

CompetitionNo: 0506FTT10658LE
Posting Date: June 15, 2005
Closing Date: June 29, 2005
Position Type: Full Time - Grant Funded
Salary range: \$3059 - \$3855 per month
Grade: 8
Hours: 35 per wk

This position has a comprehensive benefits program. End date: March 31, 2009

Duties

This position will provide operational support for instrumentation within the University of Alberta's Protein Gene Discovery Centre (Prote-Gene) and technical support for research projects utilizing this instrumentation; is responsible for the maintenance, optimization and operation of Raman spectroscopic and surface plasmon resonance (SPR) imaging instrumentation to be used for the detection (reading) of biological binding events on surfaces.

- Ensures the day-to-day operation of Raman and SPR instrumentation including establishing a scheduling protocol for users, scheduling service visits from the vendors as well as performing standard maintenance, repairs and optimization of instrument settings
- Trains new users on the equipment and aid in the initiation of user projects, when necessary
- Creates standard operating procedures and documentation related to training of graduate students and other research personnel on the equipment
- Implements and maintains a fee structure for outside users
- Ensures that reagents and supplies are adequately maintained for the equipment, in a timely fashion
- Learns established procedures and develops new methodology for the microfluidic patterning of surfaces to fabricate biomolecule arrays
- Learns established procedures and develops new methodology for detecting biological interactions at fabricated arrays with SPR imaging and Raman spectroscopy
- Works with collaborators to ensure the efficient transfer of information and materials
- Ensures that documentation relative to the fabrication and reading of bimolecular arrays is complete

Qualifications

- Technical diploma (chemistry, physics, biology or related field); BSc (chemistry, physics, biology, or related field) preferred with a strong background in analytical spectroscopy
- Direct knowledge and experience in lasers, Raman spectroscopy or SPR an asset
- Direct knowledge of standard analytical spectroscopies such as infrared, UV-visible and fluorescence
- Experience with biological materials an asset

More Outreach Activities can be accessed at:

www.ualberta.ca/Outreach/whats%20new.htm#science

39th Annual Chemistry Golf Day

June 9, 2005 - Victoria Golf Course

1 st Place -	64 (-7)	Linda Brisbane, Tom Brisbane, Scott Lucyk
2 nd Place -	68 (-3)	Alex Brown, Jay Dutton, Norman Gee, George Kourouniotis (Rose Scientific)
3 rd Place -	69 (-2)	Glen Hendrickson, Cam Macdonell, Andrew Scholte, Gary Oikawa
4 th Place -	70 (-1)	Eric Flaim, Chris Grant, Chris McDonald, Aaron Skelhorne Tyler Fitzgerald, Kevin Kovacs (Fisher Scientific), Don Morgan, Ginny Morgan
6 th Place -	72 (+1)	Arnold Adam, Bev Adam, Craig Alward (Fisher Scientific), Vi Craige
7 th Place -	73 (+2)	Owen Lightbody, Scott McGavin, Corwin Nycholat, Eric Pelletier
8 th Place -	74 (+3)	Wes Chalifoux, Linda Connors, Murray Connors, Scott Delinger
9 th Place -	78 (+7)	NMR Power (Paul Bird, Mark Miskolzie, Albin Otter, Christine Otter)
10 th Place -	80 (+9)	3 Hacks and a Duffer (Jason Anderson, Al Chilton, Jason Cooke, Mike Ferguson)
Most Honest		Bryan Chan, Robin Hamilton, Kaoru Morita, Masaki Morita

Competition Holes

Men's Longest Drive (Hole #4) -	Scott Lucyk
Ladies' Closest to the Pin (Hole #7) -	no tee-shots on the green
Front Nine Longest Putt (Hole #9) -	Corwin Nycholat
Men's Closest to the Pin (Hole #12) -	Glen Hendrickson
Ladies' Longest Drive (Hole #13) -	Linda Connors
Back Nine Longest Putt (Hole #18) -	Andrew Scholte

Door Prizes

Apple iPod 512 Shuffle (courtesy Kimble Kontes) - Albin Otter
Sigma/Aldrich Wine Kit - Chris McDonald

Many Thanks to our Sponsors:

Department of Chemistry

Alfa Aesar Lancaster, Anachemia Science, Anonymous Wine Donor, Approved Laser Recharge Services, Aslan Computer Systems, Cambridge Isotope Laboratories, Earl's on Campus, Fiore Cantina Italiana, Fisher Scientific, Kimble Kontes, Praxair, Rose Scientific, Scholars Pub & Grill, Sigma Aldrich, Staples, Supply Management Services (U of A), VWR Canlab, Varian Canada Inc

Thanks to the following people for their assistance:

Vi Craige, Mike Ferguson, Tyler Fitzgerald

And thanks to all participants who made the Golf Day a fun one!