

CHEMISTRY NEWSLETTER

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VISITING SPEAKERS

Professor Andrew Orr-Ewing, School of Chemistry, University of Bristol will speak on "Chemical Applications of Cavity Ring Down Spectroscopy" on Tuesday 5 July 2005 at 11:00 am in Room E3-25 Gunning/Lemieux Chemistry Centre.

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

CANADA DAY — Friday 1 July — University buildings will be closed.

IMPORTANT NOTICE FOR THE OCCUPANTS OF CHEMISTRY EAST — On **Monday 4 July 2005 from 9:30 am to 11:30 am** there will be maintenance work performed on the fan systems CHE001 and CHE002. This will result in a temporary loss of air flow in parts of the building. The units will be shutdown one at a time.

New Red Light District in Chemistry — Please note that red lights have been installed outside of E3-25 (with a switch inside) to indicate when a seminar or meeting is in progress. When these lights are on, the immediate vicinity of this lecture room is a "quiet zone". Please remember to switch these lights on at the beginning of the meeting/seminar and to switch them off afterwards.

E-Lot Parking — Effective immediately, Parking Services has lifted the Evening permit restriction in E-lot.

ChemIT would appreciate those requesting assistance to enter their requests via the Help Desk at <http://intranet.chem.ualberta.ca/helpdesk.html> as this greatly assists us in tracking the requests, responding to requests, and reporting back on requests. It also allows the requester to see all of their requests and reports on those requests. If you have no network access, other means remain available, of course. Thank you.

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>

Michigan State University — Specialist

SURFACE SPECTROSCOPY TECHNICIAN — Faculty of Science - Chemistry

Competition No: 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

Outreach Activities can be accessed at:

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