

VISITING SPEAKERS

Prof. Victor J. Hruby, Regents Professor of Chemistry, Department of Chemistry, University of Arizona, Tucson, Arizona, U.S.A. will speak on “New chemical paradigms for drug design: The impact of genomics and proteomics” on Monday, January 10, 2005 at 11:00 a.m. in V-107.

Ph.D. Seminar

Robert Bujalski will speak on “Measuring sub desorption kinetics from chromatographic stationary phases *via* the shallow-bed method” on Friday, December 17, 2004 at 1:00 p.m. in V-102.

Stephen Fletcher will speak on “Synthetic studies on Otelione B, synthesis of Nocardione A, and Oxidative radical cyclization” on Tuesday, December 21, 2004 at 4:00 p.m. in E3-25.

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Fu Chen will speak on “Distance Measurements Using Modern Pulse Electron Paramagnetic Resonance” on January 5, 2005 in V-107 at 11:00 a.m.

The SciTech Library is pleased to announce that we now have access to the Gmelin Database, the electronic version of the Gmelin Handbook of inorganic and organometallic chemistry.

Gmelin is available as a database choice in the MDL CrossFire/Commander chemical search engine. It complements the Beilstein organic database to which we have had access for a number of years. This will be valuable to researchers working with inorganic and organometallic substances.

How to Access: Networked workstations available in the Science and Technology Library Reference Area and in the Physical Sciences Library.

University of Alberta faculty, staff and current students may also be able to access CrossFire from campus workstations by installing the Commander

<http://www.library.ualberta.ca/databases_help/crossfiresoftware/index.cfm>

client software. If you are now using Crossfire Beilstein you already have access to CrossFire Gmelin

For further information please contact:

David L. Jones,
Science & Technology Library
1-26 Cameron Library
University of Alberta
Edmonton, Alberta, Canada T6G 2J8
voice (780)492-3433 fax (780)492-2721
e-mail david.jones@ualberta.ca

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>

University of Alberta, Augustana Faculty invites applications for a tenure-track position in Chemistry at the rank of Assistant Professor. www.augustana.ca for more information.

Olds College has an opportunity for a Laboratory Service Worker II in the New Crops from Products and Bioprocessing area. www.oldscollege.ab.ca/employop

Olds College, has an opportunity for a Laboratory Technician I in the New Crops from Products and Bioprocessing area. www.oldscollege.ab.ca/employop

Southern Illinois University Carbondale, Department of Chemistry and Biochemistry is seeking to hire a tenure track Assistant Professor. **University of Texas**, Department of chemistry invites applications for a tenure track opening in organic chemistry at the Assistant Professor level.

Université du Québec à Montréal, Department of Chemistry and Biochemistry invites application for a tenure-track position in any area of material science. There is also an opening for a Biochemistry assistant Professorship.

http://www.er.uqam.ca/nobel/dep_chim/dep_chim.htm

University of Saskatchewan, Department of Biochemistry has a Research and Teaching program in Biomolecular Structure, jointly offered by the department of Biochemistry, College of Medicine and the Department of Chemistry.

Outreach Activities can be accessed at:

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

NOTICES

Graduate Students – Information regarding January 2005 Orientation for Graduate Teaching Assistants is available on the table by the mailbox.

Starting January 4, 2005 the general office, purchasing and mailroom offices will have new office hours in keeping with the Faculty of Science. We will be open from 8:15 a.m. -12:00 noon and again from 1:00 p.m. - 4:15 p.m. year round.

T2202A (Tuition and Education Amount) Tax Forms
> The University of Alberta will no longer mail out T2202A tax forms to students. Instead, students now can access their T2202A forms for previous years in Bear Tracks and download them as PDFs. The 2004 tax information will be displayed on Bear Tracks in February 2005. For more information, visit Bear Tracks at <https://www.beartracks.ualberta.ca> or the following page of the Registrar's Office website: <http://www.registrar.ualberta.ca/ro.cfm?id=200>

Academic Women's Association, nominations due March 1, 2005. More information is available at: <http://www.ualberta.ca/~awa/awards.htm>

Holiday Closures:

The University will be closed from December 25, 2004 through to January 3, 2005 inclusive.

Closed Monday December 27, 2004 in recognition of Christmas Day falling on the Saturday.

Winter Closure will be from Tuesday December 28, 2004 to Friday, December 31, 2004.

Closed Monday January 3, 2005 in recognition of New Years Day falling on the Saturday.

Building occupants should be aware of the following items:

1. The last cleaning to take place in buildings will be on the night of December 23rd. Occupants should remove all wet trash to the daily collection sites which are the large round grey plastic containers found in corridors.
2. All windows need to be closed and locked before leaving for the holidays
3. The Heating, Ventilating and Air Conditioning systems will be working in the manner they normally operate on weekends. Systems that operate on weekends will remain on during the Christmas closure and systems that are shut off on weekends will be off during that period.
4. If occupants require assistance during the closure they can contact the Control Centre at 492 – 5555, the Control Centre will be operational throughout the closure period.

All inquiries and requests to have buildings open during the closure period will need to be forwarded to myself. It should only be necessary to arrange for a building to be kept open if there is a significant demand. Most faculty and support staff have building and office keys which will allow them access during the closure.

Volunteers needed: The Wisest (Women in Scholarship, engineering, science & Technology) Group needs volunteers for an annual event known as Choices: A conference for Grade Six students on February 23 and 24, 2005. Please contact the Project Coordinator (Preeti Nigam) at 492-7774 or visit their website at <http://www.wisest.ualberta.ca/>



The winners of the Chemistry Department Christmas Raffle are as follows:

- 13" Color Television – 0809671
- Samsung DVD Player – Ken Jorgensen
- Sleeping Bag & Water Bottle – Darlene Mahlow
- Wireless Keyboard – Dolores Martinez
- Watch & Coffee Mug – 0809826
- Gift certificate for Canadian Tire – Tom Nakashima
- Gift certificates for Staples – 0809924

A big thank you goes to everyone who participated in both the food hamper for the needy family and those who bought tickets for the food bank prizes. We were able to raise \$649.00 for the food bank. Fewer families will go hungry on this holiday because of your generosity.

CHEMISTRY 401/403 STUDENT PRESENTATIONS in E3-25 Tuesday, December 21 at 10:00

Paul Bichler: Mechanistic Investigation of a Modified Fritsch-Buttenberg Wiechell Rearrangement

Dominique Hebert: An Alkaline 2-Propanol Fuel Cell

Matthew Markiewicz: Molecular Dynamics Simulations of H₂O in Confined Geometries

Hashem Taha: The Effect of Electronegative Substituents on Rotamer Population and Ring Conformation of α -arabinofuranosides

Tuesday, December 21, at 1:00 PM

Marc Meunier: Conformational Study of a Five Membered Ring Arabinofuranoside

Jeffrey Mowat: Iterative Synthesis of Marine Polycyclic Ether Ladder Toxin Yessotoxin

Kris Rathwell: The Synthesis of a ¹³C Labeled Triketide to Gain Insight into the Lovastatin Biosynthetic Pathway

WEDNESDAY, DECEMBER 22, at 10:00 AM

Kyle Greene: A model for high pK_a deprotonated Amino acids: the case of neutral arginine

Sean Gerber: Synthesis of Olefinic Derivatives with Silyl Acetylenes and Pyridine Substituents

Jose Rodriguez: Improving Detection Limits for Protein Analysis on Chip

WEDNESDAY, DECEMBER 22, at 1:00 PM

Richard Birkenbosch: Optimization of DPN in an Inverted Design

Harieyanto Darmawan: Dipole Moment Measurements with FT Microwave Spectroscopy

Robbie Nissen: A New Approach to the Synthesis of (-)-Slaframine via the Photolysis of a Diacyl Peroxide



International New Year's Eve Gala at the Hotel MacDonald December 31, 2004 Empire Ballroom Voted by Edmonton Journal as The best place to party in town. Music provided by International Award Winning DJ Richard Tomski.

*Tickets are \$99.00 each
Visit their website at <http://members.shaw.ca/nyegala/>
Part of the proceeds are being donated to the Children's Stollery Hospital*