CHEMISTRY NEWSLETTER

Chemistry summer hours Monday-Friday 8:00-12:00 and 1:00-4:00

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VISITING SPEAKERS

Prof. Scott Denmark, Department of Chemistry, University of llinois-Urbana-Champaign will speak on "New concepts in catalysis: Chiral Lewis base activation of Lewis Acids" on Monday, May 17 at 11:00 a.m. in V-107

Dr. Nicola Vosloo, Canadian Life Science, Hichrom Ltd., Reading, England will speak on "Comparison and application of leading 300A RP HPLC columns" and "Column Care and Maintenance" on Tuesday, May 18, 2004 from 1:30-3:30 p.m. in E3-25. Please RSVP to leslie@lifescience.ca as spaces are limited.

National institute for Nanotechnology presents **Dr. Maria Stepanova**, Department of Electrical & Computer Engineering, University of Alberta who will speak on "Understanding the self-assembly through kinetics modeling" on Thursday, May 20, 2004 from 1:30-2:30 p.m. in ETLC, Room 2-001.

Dr. Debra Rolison, inorganic division visiting speaker, Surface Chemistry Branch, Naval Research Laboratory, Washington, D.C. will speak on "Integrating the multifunction necessary for electrochemical power into mesoporous nanoarchitectures" on Friday, May 21, 2004 at 11:30 a.m. in V-107

National Institute for Nanotechnology presents **Dr. Peter Grutter**, Department of Physics, McGill University, speaking on "atomic Force microscopy investigation of nanoelectronics" on Friday, May 21, 2004 at 10:00 p.m. in ETLC, 6-060

NOTICES

Grad Students, **Clearance Exams** will take place June 1 - 4. Students who need to take clearance exams in June, please see Ilona to register.

Attention Chemistry Graduate Students: Please note that the deadline for submitting the first Annual Progress Report (for the year 2003 - 2004) has been extended to **July 1, 2004!**

The next cumulative examination will be held on **Saturday, June 5, 2004 at 11:00 a.m. in Room E5-36**.

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University of Ottawa National Undergraduate Chemistry Conference October 1 & 2, 2004. Registration and abstract submission deadline: August 15th, 2004. Travel award application deadline: July 15, 2004

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Computing and Network Services (CNS) parallel computing and visualization workshops Dates and locations available at the web site: www.ualberta.ca/CNS/RESEARCH/Courses/

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

Ametek Western Research has an opening for an analytical chemist (M.Sc. or Ph.D.)

PaloAlto requires a research associate in Medicinal Chemistry. http://paloalto.roche.com. Working within highly focused drug discovery teams, you will prepare new compounds for testing as potential drug candidates. Your primary responsibilities will include carrying out synthetic procedures, purifying products, and interpreting data to support proposed molecular structure. Requires a BS/MS and 0-7 years of relevant experience, including synthesis, purification and analysis of organic molecules.
PaloAlto requires a research scientist in Medicinal Chemistry. http://paloalto.roche.com. As part of a multidisciplinary project team, you will be responsible for the design and synthesis of new chemical entities for evaluation against key biological targets. Requires a PhD in Organic Chemistry and demonstrated expertise in synthetic organic chemistry, including synthetic design and problem solving. Strong verbal and written communication skills and a commitment to working in a team environment are essential.

Tranzyme Pharma requires a research associate/assistant in organic chemistry jobs@tranzyme.com
Tranzyme Pharma requires a research assistant in analytical chemistry jobs@tranzyme.com

Outreach Activities can be accessed at:
www.ualberta.ca/Outreach/whats%20new.htm#science

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CSC Career Fair held in conjunction with: 87th Canadian Chemistry Conference and Exhibition at the London Convention Centre May 31, 2004 9:00-16:00. Contact information Gale Thirlwall-Wilbee; Career Services Manager, Canadian Society for Chemistry; 130 Slater Street, Suite 550; Ottawa, On; K1P 6E2; Ph: 613-232-6252 ext. 223; FAX: 613-232-5862; gwilbee@chminst.ca. For more information www.csc2004.ca Students intereseted in participating in the CSC career fair in London should submit their resumes by e-mail to gwilbee@cheminst.ca by May 14, 2004 in Word or WordPerfect format. Resumes will be sent to the participating companies prior to the conference in order to prearrange interviews. Some companies will be setting up information booths during the fair. For the Graduate Studies Fair, come speak with representatives from Canadian Universities and enter to win a Palm Pilot. For a list of universities and companies participating in these Fairs, please visit the conference Web site at www.csc2004.ca.

...more interesting tidbits and jobs on next page...

Varian

Alberta Research Council
250 Karl Clark Road
Edmonton, Alberta T6N 1E4

Thursday, May 20 2004
9AM until 12 Noon

Topic: Innovations in Column Technology for Analytical Separations in General and Petrochemical Applications

Presenter: Jaap de Zeeuw, Varian Inc. Middelburg, The Netherlands

Talk number 1- Increase signal/noise by reducing background in GC and GC-MS: Introducing the new FactorFour Low-Bleed Program.

Increased background signal is one of the most common problems in GC and GC/MS. Reducing background is especially important when you analyze for low levels. Sources for background will be discussed and solutions will be given to practical problems. Also a new series of "ms"-grade capillary columns will be presented that have the world's lowest bleed specifications. This line called FactorFour consists of non-polar up to highly polar temperature stable phases. Time: 60-75 minutes

Subject 2 - Selecting the most optimal column for petrochemical separations
In this presentation an overview of different highly selective columns for key applications in petrochemical analysis is presented. These concern Hydrocarbons ranges C1-C4, C4-C10, C10-40 C5-C120 and amines, aromatics, trace oxygenates and sulfur compounds. Typical performances and limitations are discussed.Time: 60 minutes

Subject 3 - Reducing analysis time while maintaining separation: Simple things to implement in your lab to shorten analysis time. An overview is presented of ways how you can shorten run time for your application. Many suggestions can be implemented on short term and you can do this your self without risk and long validation times; If resolution must be maintained, a smaller column diameter can be considered. Options are presented and discussed Time: 45 minutes

Be sure and bring your business card for our door prize drawing!
Please RSVP to
Helene Leclerc, Varian Canada Inc.
Email: helene.leclerc@varianinc.com
Phone: 1-800-387-2216 or 905-819-8181.