

CHEMISTRY NEWSLETTER

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

Sunday, May 9 is Mother's Day

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Editor: Jeannette Loisel - e-mail jeannette.loiselle@ualberta.ca

VISITING SPEAKERS

National Institute for Nanotechnology presents **Dr. Stephane Roy**, Department of electrical and systems engineering, University of Pennsylvania, Philadelphia speaking on "Nanotechnology in Microsystems: The path towards integrated nanosystems" on Monday, May 10, 2004 at 3:00 p.m. in ETLC, 6-060

Notices

Cumulative Examinations will be held on **Saturday, May 8, 2004 at 11:00 a.m. in Room E5-36** (May 1 date is cancelled).

CAN'T READ THE NEWSLETTER ON LINE?

Send me your e-mail for the black and white, no frills newsletter and if your computer can't read the color version, you can enjoy all the news the old fashioned way - black and white.

Send your request to jeannette.loiselle@ualberta.ca with bwnewsletter in the subject line

Grad workshops for students from all faculties will be offered in May, June and July by CAPS. For detailed information see notices on the bulletin board by the mailboxes.

University of Alberta Department of Chemistry Achievements and Recognitions

Congratulations to: Jillian Buriak, who last week was named one of Canada's Top 40 Under 40 and to Margaret-Ann Armour who this week was named as one of Edmonton's 100 top citizens of the past century. The late Ray Lemieux was also named as one of the city's top 100 citizens.

Congratulations to: Richard Paproski and Sarah Pelletier on each being awarded a \$2000 Travel Fellowship for Canadian graduate students and post-doctoral fellow to attend the International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2004) in Philadelphia, Pennsylvania from June 12 - 18.

Jason and Anna would like to thank the following for helping out with the "T.A. Appreciation Party": B. Chan, J. Cuervo, T. Grant, K. Greene, C. Harrison, F. Peng, M. Pham, A. Scholte, S. Ramsaywack, M. Wang, Z. Wang, N. Warner.

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>

Grant MacEwan College is looking for a part-time organic laboratory instructor with an M.Sc. or Ph.D.

Grant MacEwan College is looking for a full time and part time term certain general chemistry laboratory instructors with an M.Sc. or Ph.D. in Chemistry

Interested persons should submit their CV to GelminiL@macewan.ca by May 15th, 2004.

National Research Council, Post Doc position who will join an Antibody Engineering group. For more information contact jianbing.zhang@nrc-cnrc.gc.ca

Rocky Mountain College, requires an assistant professor of organic chemistry <http://www.rocky.edu>

Rocky Mountain College, requires a director of their NMR facility in the department of chemistry. <http://www.rocky.edu>

Outreach Activities can be accessed at:

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

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

CSC Career Fair held in conjunction with: 8th 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@cheminst.ca. For more information www.csc2004.ca Students interested 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.

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

...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.

...Employment listings continued from first page...

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Research Associate II – Cambridge, MA (Job#: amge-0000545)

The primary responsibility for this position will be the design and synthesis of novel compounds for potential drug candidates in a multidisciplinary environment under the general direction of a research scientist. Candidates for this position should have a BS or MS degree, or equivalent, in chemistry with an emphasis on organic synthesis and 0 - 4 years of academic and/or industry research experience. Advanced laboratory skills, knowledge of NMR, mass spectrometry, and purification techniques, as well as strong presentation and communication skills are required.

Research Associate II – Cambridge, MA (Job#: amge-00003057)

The primary responsibilities of this position are to provide technical support of automated research instrumentation in a pharmaceutical environment. The candidate will maintain current equipment resources, schedule repairs, and preventative maintenance contracts as well as schedule installation of new instrumentation. A BS or MS degree in organic chemistry, analytical chemistry or related fields with 2+ years of pharmaceutical experience is required. A basic knowledge of research instrumentation including HPLC, FT-IR, mass spectrometry and NMR is preferred, as well as excellent written and verbal communication skills.

Research Associate III – Cambridge, MA (Job#: amge-00003053)

The primary responsibilities of this position are to develop separation and identification techniques of new chemical entities (NCE's) to support the medicinal chemistry teams engaged in lead optimization. A BS or MS degree in organic chemistry, analytical chemistry or related field, as well as 3+ years of industry experience in the areas of discovery analytical, process analytical, preparative chromatography, or high throughput purification techniques is required. A detailed knowledge of separation techniques including HPLC/MS or SFC chromatography is preferred, as well as excellent written and verbal communications skills.

Research Associate II – Thousand Oaks, CA (Job#: amge-00005349) & Cambridge, MA (Job#: amge-00006863)

The successful candidate will be required to synthesize potential drug candidates in a multi-disciplinary environment under the general direction of a research scientist. Advanced scientific technical skills, along with a working knowledge of HPLC, NMR, and mass spectral interpretation are essential. Good interpersonal and communication skills (both written and oral) are valuable. Individual should have a BS or MS degree in chemistry, or equivalent, with an emphasis on organic synthesis, as well as 0-4 years of relevant laboratory experience.

Research Associate I – Thousand Oaks, CA (Job#: amge-00005511)

We are seeking a motivated Research Associate to join our Catalysis Group to conduct research in the area of homogeneous and heterogeneous catalysis in support of our drug discovery and process development efforts. The ideal candidate should have a BS or MS degree in chemistry with particular emphasis in the use of homogeneous or heterogeneous catalysis in organic synthesis. Candidates would be responsible for the synthesis, characterization of new catalysts along with catalyst screening, product characterization and scale-up. Strong knowledge of modern spectroscopic and chromatographic techniques is essential. Communication skills

and the ability to work effectively in teams are valuable, as well.

These are just some of the many opportunities available throughout Amgen. Our outstanding compensation package features comprehensive benefits and relocation assistance. To learn more about the positions above, view all of the open positions available, or to apply online, please visit the Amgen Career Center at www.amgen.com/career.

As an EEO/AA employer, Amgen values a diverse combination of perspectives and cultures. M/F/D/

