

# CHEMISTRY NEWSLETTER

Chemistry Summer Office Hours are Monday – Friday 8:00-12:00 and 1:00-4:00

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June 4, 2004 Volume 31 No. 23

## VISITING SPEAKERS

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University of Alberta, Department of Chemistry, Alberta Ingenuity Centre for Carbohydrate Science presents **Dr. Thomas Peters**, University of Lubeck, Germany, Department of Chemistry who will speak on “NMR experiments to detect and characterize binding of ligands to receptor proteins” on Monday, June 14, 2004 at 11:00 a.m. in V-107.

**Prof. Thomas Webster**, Dept. of Biomedical Engineering and School of Materials Engineering, Purdue University, will speak on “Nano-biotechnology: The design of better implants through the use of nanophase materials” on Monday, June 28 at 11:00 a.m. in V-107.

## NOTICES

**Golf Registration Deadline Extended to Tuesday, June 8 at noon. You are not registered until you have paid! Tee times will be posted Thursday June 10 on [www.chem.ualberta.ca](http://www.chem.ualberta.ca) Correction: power carts are \$26 (please let us know when you register so we can reserve the correct number of carts for the tournament)**

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**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!**

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

The Research Services Office is hosting two workshops about NSERC programs.

1. How to access NSERC's Idea to Innovation Program ... and details on the CRD, IRC and Research Network programs

Learn about NSERC's Idea to Innovation (I2I) program and how it can help researchers and inventors accelerate the development of promising technology through the early stages of validation and market connection.

For more information, visit

[http://www.rso.ualberta.ca/details.cfm?ID\\_event=1431](http://www.rso.ualberta.ca/details.cfm?ID_event=1431)

To register, visit <http://www.rso.ualberta.ca/registration.cfm>.

## 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>**

**Mount Allison University**, NSERC USF tenure track position effective July 1, 2005, assistant professor in Chemistry. E-mail [ufa@mta.ca](mailto:ufa@mta.ca)

**Augustana University College**, invites applications for a seasonal teaching position in Chemistry for the fall term 1 September 2004 through 31 December 2004. [deansoffice@augustana.ca](mailto:deansoffice@augustana.ca)

**Advanced Integrated MicroSystems Ltd. (AIMS)** is seeking applicants for the positions of Applications Development Scientist (Separation Science) and Research Associate Scientist. Positions require a B.Sc. to Ph.D level degree in analytical chemistry, biochemistry or a related discipline, with relevant academic or industry (preferred) experience in the areas of microfluidics, solid phase extraction, LC/MS, or capillary electrophoresis. Contact [rwilliston@aims-bio.com](mailto:rwilliston@aims-bio.com)

**National Research of Canada**, requires three postdoctoral fellowship candidates to be hired under the “NSERC Visiting Fellows in Canadian Government Laboratories program. (1) PLEDS; (2) NLO; (3) Photovoltaics E-mail: [mike.day@nrc.ca](mailto:mike.day@nrc.ca)

**University of Tennessee**, has a non-tenure track position in Analytical and general chemistry. Department information [222.chem.utk.edu](http://222.chem.utk.edu). E-mail [fshell@utk.edu](mailto:fshell@utk.edu)

**Mount Allison University**, invites applications for a tenure-track appointment in experimental physical chemistry at the rank of assistant professor e-mail: [jread@mta.ca](mailto:jread@mta.ca)

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

**Outreach Activities** can be accessed at:

[www.ualberta.ca/Outreach/whats%20new.htm#science](http://www.ualberta.ca/Outreach/whats%20new.htm#science)

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**Introduction to VNMR on the Varian Spectrometers.** This year's edition of the NMR lecture series will be given by Dr. Albin Otter in **E3-25** on **Wednesday and Friday, June 9 and 11** from **9:30 to 10:50 a.m.**

The lectures will include, like in the past, the real-time operation of a spectrometer with large screen projection and are intended for new students/postdocs and all those who have been around for a while but feel a little shaky with the use of an NMR spectrometer.

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NMR News 2004-02 is now available at <http://nmr.chem.ualberta.ca> with the following content: NMR data processing in the Department - PC (LINUX) for remote access to d600; m400: a "new" spectrometer for undergraduate students; lectures on how to use the NMR systems; sucrose (90 vs. 600 MHz)

...more interesting tidbits and workshops and fisher scientific seminars on next page...

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

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## University of Alberta Department of Chemistry Achievements and Recognitions

Congratulations to Alya Goulko who won Best Graduate Analytical Poster at the Canadian Society of Chemistry Conference in London, Ontario. Alya's work, under the supervision of Chris Le, focused on the development of a bioassay for UV-damage of DNA using capillary electrophoresis-laser induced fluorescence.

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### Fisher Scientific Presents Radleys Product Show and Seminar

Show from 1:00-4:00 p.m.  
With scheduled product demos at  
1:30 & 3:00 p.m.

Coffee & Donuts Served

Questions?  
[lsammut@fishersci.ca](mailto:lsammut@fishersci.ca)

The application deadline is quickly approaching for the Genomics and Proteomics workshops in the highly acclaimed Canadian Bioinformatics Workshop series, and you are encouraged to spread the word to friends, students and colleagues who may be interested. Applications can be made for the following workshop at: [www.bioinformatics.ca](http://www.bioinformatics.ca)

#### **Proteomics**

**Dates: July 19 - 24, 2004**

**Location: Calgary, AB**

**Registration Fee: \$1,600 CAD**

**Application Deadline: May 22nd 2004**

Proteomics Workshop Participants will gain practical experience and skills to:

- \* visualize protein structures and make high quality images for publication
- \* understand techniques used in high throughput proteomics
- \* understand data resulting from proteomics
- \* use public domain tools for modeling three-dimensional structures
- \* understand concepts and methods involved in threading analyses.

#### **Genomics**

**Dates: August 16 - 21, 2004**

**Location: Vancouver, BC**

**Registration Fee: \$1,600 CAD**

**Application Deadline: June 19th 2004**

Genomics Workshop Participants will gain the practical skills and understanding to:

- \* Install and use in-house information reference systems.
- \* Access EnsEMBL using Perl API
- \* Understand microarray data for gene expression.
- \* Analyze Single Nucleotide Polymorphism (SNP) and genotype data.
- \* Detect and analyze gene structures from eukaryotic genomes

The curriculum has been designed so that graduates from both life sciences and computational sciences can work together through the material to complete a variety of graded and ungraded assignments. Graded assignments may count towards a Certificate in Bioinformatics, accredited by the universities of British Columbia, New Brunswick and Toronto.

Through the generosity of the Canadian Bacterial Diseases Network, nine bursaries of \$1000 each are available to Canadian graduate students and post-docs attending this workshop; additional bursaries are designated specifically for CBDN and MITACS members. For further information and to apply, visit

[www.bioinformatics.ca/bursaries.php](http://www.bioinformatics.ca/bursaries.php)

<<<http://www.bioinformatics.ca/bursaries.php>>>.

For further information contact Saara Romu ([sromu@cgdn.ca](mailto:sromu@cgdn.ca)

<<<mailto:sromu@cgdn.ca>>>).

Saara Romu