

CHEMISTRY NEWSLETTER

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

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VISITING SPEAKERS

THE FOLLOWING SEMINAR HAS BEEN POSTPONED

UNTIL JUNE 28.

Prof. Thomas Webster, Dept. of Biomedical Engineering and School of Materials Engineering, Purdue University, will speak on “Nanobiotechnology: The design of better implants through the use of nanophase materials” on Monday, June 7 at 11:00 a.m. in V-107.

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.

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.**

A reminder - if you have signed up or are planning on signing up for the Chemistry Golf Day on June 11, your entry must be received and your fee paid by noon on Friday June 4.

Just a reminder to keep your valuables locked up at all times.

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

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>

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

University of Tennessee, has a non-tenure track position in Analytical and general chemistry. Department information 222.chem..utk.edu. E-mail fschell@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

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

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

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)

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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JOKE OF THE DAY

While crossing the US-Mexican border on his bicycle, the man was stopped by a guard who pointed to two sacks the man had on his shoulders. "What's in the bags?", asked the guard.

"Sand," said the cyclist.

"Get them off - we'll take a look," said the guard.

The Cyclist did as he was told, emptied the bags, and proving they contained nothing but sand, reloaded the bags, put them on his shoulders and continued across the border.

Two weeks later, the same thing happened. Again the guard demanded to see the two bags, which again contained nothing but sand. This went on every week for six months, until one day the cyclist with the sand bags failed to appear.

A few days later, the guard happened to meet the cyclist downtown. "Say friend, you sure had us crazy", said the guard. "We knew you were smuggling something across the border. I won't say a word - but what is it you were smuggling?"

"Bicycles!"

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

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>>>.

For further information contact Saara Romu (sromu@cgdn.ca)

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

Saara Romu