

CHEMISTRY NEWSLETTER

This is the May long weekend University buildings will be closed on Monday, May 24/04 Enjoy!

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VISITING SPEAKERS

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 a.m. in ETLC, 6-060

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 7 at 11:00 a.m. in V-107.

Prof. Gilles H. Peslherbe, Dept. of Chemistry and Biochemistry, Concordia University, Montreal, will speak on “Theoretical studies of photochemistry in polar solvent clusters” on Thursday, May 27, at 11:00 a.m. in E3-25.

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.**

"On Friday May 14, 2004 sometime between 3.20 pm and 5.00 pm our digital projector (a NEC LT260) in its black carrying case went missing from room E3-49 between two seminars. The incident has been reported to Campus Security and we hope that it might be in a safe place at this time. Should the projector show up early next week in Dr. Bundle's lab, the investigation will be stopped."

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

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, 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

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 d600m400: 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

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

U of A Represented Well at Undergraduate Chemistry Conference

by Jessica Ponto

On May 6th, 11 UofA undergrads traveled 15 hours by van to attend the 18th annual Western Canadian Undergraduate Chemistry Conference (WCUCC) held in Winnipeg at the University of Manitoba.

The keynote speakers, whose expertise ranged from solid state NMR to medicinal inorganic chemistry, included Dr. Scott Kroeker (UofM), Dr. Thomas Back (UofC), Dr. Chris Orvig and Dr. Mel Comisarow (both from UBC).

Over the course of 2 days, 40 student speakers from across the country, presented their research from the past year as either an oral or poster presentation. Schools that were represented included UBC, University of Winnipeg, Manitoba, Saskatchewan, Calgary, Montreal, Alberta, University College of the Caribou, and the King's University College. The 20-minute talks and posters, despite some redundancy, were very informative and displayed some of the excellent research taking place across Canada.

The Conference was wrapped up with an excellent dinner and awards banquet where Jessica Ponto and Andrea Lui were awarded 1st and 2nd place cash prizes, respectively, for their poster presentations highlighting their recent Chem 401 research projects.

Overall, WCUCC was a great conference and the long drive there and back was definitely worth the experience.

All UofA participants would like to thank the University of Manitoba for organizing such an exciting symposium. We would also like to thank Dr. C. Wong (UofA), Dr. H. Bestman (King's University College), and Dr. G. Greidanus-Strom (King's University College) for making the long drive while we all slept, and Dr. R. Campbell (UofA) for coordinating the trip. Finally, we would like to thank the University of Alberta Chemistry Department for generously providing funding.



...more pictures of the conference at

<http://www.brandonu.ca/chemistry/What's%20New/UndergradConference04.html>

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