

Chemistry Notices

For the Week of December 6 to December 10, 2010

VISITING SPEAKERS & SEMINARS

Bing Bai

502 Seminar
will speak on

*"Recent advances in n biologically
catalyzed Diels-Alder reactions"*

Monday, December 6
11:00 a.m. in Room E3-25

Mahmoud Bahnasy

502 Seminar
will speak on

*"Aptamer-Based Electrochemical
Biosensor for Interferon Gamma
Detection"*

Wednesday, December 8
11:00 a.m. in Room E3-25

Lu Deng

502 Seminar
will speak on

*"Electron capture dissociation of
peptides and proteins in mass
spectrometry"*

Thursday, December 9
11:00 a.m. in Room E3-25

EMPLOYMENT OPPORTUNITIES

The Centre for Probe Development and Commercialization (CPDC) is seeking applicants for 2 positions:

- (1) an outstanding postdoctoral fellow to address key analytical R&D projects in the Probe Development & Production Division. This is a unique opportunity to learn cutting edge research

EMPLOYMENT OPPORTUNITIES, *continued*

and development skills in a rapidly expanding field. The successful applicant would be responsible for analytical method development and validation to support internal and external probe development projects and clinical trials. He/she would be responsible for internal R&D projects which may include assay development for screening as well as generation of standard test methods and method validation documentation in accordance with cGMP. As well, he/she would be responsible for radiopharmaceutical drug candidates, rapid analysis techniques, and integrated analytical systems for radiopharmaceuticals. Applicants must have a Ph.D. in Chemistry or Biochemistry and 0 to 2 years of relevant experience.

- (2) an outstanding postdoctoral fellow or research associate with experience in synthetic and/or radiochemistry to support R&D projects in the Probe Development & Research Division. This is a unique opportunity to learn cutting edge research and development skills in a rapidly expanding field. The successful candidate will be responsible for leading discovery efforts of novel molecular imaging probes for either positron emission tomography (PET) or single photon emission computed tomography (SPECT). The projects include the synthesis, development and radiolabelling of small molecules, peptides and other biologics and will employ the latest in automated discovery and labelling methods including microfluidic and microwave based methods. Applicants must have a Ph.D. in Chemistry or Biochemistry and 0 to 2 years of relevant doctoral or post-doctoral experience or an MSc. with 5 years of relevant experience in PET or SPECT chemistry.

For either position: please submit a cover letter, resume or curriculum vitae and the names of two references to:

Ms. Kathryn Blais, Associate Director of
Administration Centre for Probe
Development and Commercialization
1280 Main Street West, Burke Science
Building, BSB-B231 Hamilton, ON L8S 4K1
Email: careers@imagingprobes.ca

The University of Alberta invites applications for a full-time NMR Spectroscopist in its Department of Chemistry. The Department of Chemistry is a large, complex, teaching and research department with 35 academic staff, each with their own research group, and a compliment of academic, non-academic, postdoctoral, and graduate student components totalling over 400 persons. Part of a team of specialists, this position will provide NMR support to researchers within the Department. Applicants must have a Bachelor of Science (B.Sc.) Degree in Chemistry and a minimum of 5 years experience in NMR. Knowledge of electronics and Unix-based operating systems and programming would be assets. The closing date is December 10, 2010. More information can be found on the University of Alberta web site at <http://www.careers.ualberta.ca/Competition/S104913120>.

The University of Saskatchewan has two post-doctoral fellowships available immediately for highly motivated and organized individuals to help design and coordinate a new multi-investigator interdisciplinary research program on oil sands management and environmental risk assessment. This

EMPLOYMENT OPPORTUNITIES, *continued*

project is a key element of the Sustainable Development of Natural Resources theme of the \$30 million Canada Excellence Research Chair (CERC) in Water Security, and integrates world-class expertise at the University of Saskatchewan (U of S) in areas including hydrology, hydrogeochemistry, aquatic toxicology, environmental risk assessment and process technology. One successful candidate (post A) will work with a team of six principal investigators and several graduate students and

technicians on a large scale experimental and modeling program, aimed at developing new science and risk assessment tools. The second (post B) will work on the development of new process technologies for oil extraction.

For post A, candidates must have a Ph.D. (or have a Ph.D. defense date set) in hydrology, hydrogeochemistry, aquatic toxicology, risk assessment modeling or a closely related field. For post B, a PhD in civil or chemical engineering or a closely related field is required. Applications must include a full Curriculum vitae, a list of three references who have each agreed to submit a letter of reference on behalf of the candidate if requested, complete academic transcripts (copies are acceptable), and a cover letter that addresses how the candidate meets the job qualifications and is suited for the responsibilities described above. Please send applications or direct inquiries to: Canada Excellence Research Chair, University of Saskatchewan Attn: Kate Wilson National Hydrology Research Centre 11 Innovation Boulevard, Saskatoon, SK, S7N 3H5, CANADA Tel: (306) 966-8014, Fax: (306) 966-1193, E-mail: kate.wilson@usask.ca.

Afexa has 2 new positions in R&D, a Process Scientist (Organic Chemistry PhD) and a lab technician (not yet posted on <http://afexa.com/corporate/careers.htm>). The Process Scientist will work in the corporate office located in Edmonton and be responsible for development of lab process for isolation/purification of active ingredients from natural sources, conduct scale up, and transfer to commercial production. In addition, the incumbent will also be responsible for technical support for commercial production and review of production record. Education/experience required: Completion of a Ph.D in Chemistry, Chemical Engineering, or related field with a minimum of 3 to 5 years of relevant experience would be considered an asset. Also required is a strong background and working experience in organic chemistry and natural product chemistry. Extensive knowledge about process development, scale up, and validation are among other requirements. If you are interested in this position, please send your cover letter and resume to: career@afexa.com.