

# Chemistry Notices

For the Week of May 2 to May 6, 2011

## EMPLOYMENT OPPORTUNITIES

The Government of Canada has a 6-month position opening up at CanmetENERGY in Devon: [http://canmetenergy-canmetenergie.nrcan-rncan.gc.ca/eng/about\\_us/devon.html](http://canmetenergy-canmetenergie.nrcan-rncan.gc.ca/eng/about_us/devon.html). The position is a post-secondary internship (AB-PS-R60) which now appears on the Program Web site (<http://www.yip.gc.ca> (<http://www.yip.gc.ca/>)).

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CanmetENERGY | CanmetÉNERGIE

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Government of Canada | Gouvernement du Canada

[www.canmetenergy.nrcan.gc.ca](http://www.canmetenergy.nrcan.gc.ca) ( <http://www.canmetenergy.nrcan.gc.ca/> ) |

[www.canmetenergie.nrcan.gc.ca](http://www.canmetenergie.nrcan.gc.ca) ( <http://www.canmetenergie.nrcan.gc.ca/> )

**novaNAIT** has a Summer– Research Student position available. This position is jointly supported by STEP funding and novaNAIT. It is for the time period of May 2nd to June. 25th, 2011 and it involves working closely with a team of researchers who are committed to discover new frontiers analyzing surface properties of solid materials using a variety of instruments and techniques. The successful candidate must have excellent analytical chemistry techniques and be interested in instrumentation and design. Significant part of the project involves working on the newly developed instrument for measuring surface area (S.A.) of solid materials. The results obtained from this instrument will be cross examined for accuracy and precision against check standards and/or data obtained using commercially available instruments. The successful candidate must be able to write detailed reports and communicate with others very well. The student must be a self-learner and be able to conduct experiments with minimum amount of supervision.

Qualifications:

- Must be a student and not graduating this year
- Good academic standing
- Good command of English for writing reports and making presentations
- Excellent knowledge of Microsoft Word, Excel and Power Point software.
- Handy with instruments. Previous knowledge of electronics, mechanical and vacuum systems would be an asset.

Remuneration: \$12.50 per hour. Closing Date: Until a suitable candidate is found. Please submit a cover letter and resume with name of two references to: Dr. Nima Fatemi via email, [nimaf@nait.ca](mailto:nimaf@nait.ca)

## EMPLOYMENT OPPORTUNITIES, *continued*

The University of Alberta is seeking an Instrumentation Technologist in the Department of Chemistry. With direction from the supervisor, the Instrumentation Technician performs routine analysis using semi-automated or computerized analytical instrumentation in the Analytical and Instrumentation Laboratory. Computerized instrumentation used includes, but is not limited to, the Fourier Transform Infrared spectrometer (FTIR) and attached FTIR microscope, Gas Chromatograph - Mass Spectrometer (GC-MS), GC-FITR, Ultraviolet-Visible (UV-Vis) spectrometer, Circular Dichroism (CD) spectrophotometer, Elemental Analyzer, Differential Scanning Calorimeter (DSC) and Thermal Gravimetric Analyzer (TGA). The data obtained is provided to facility users for further interpretation. The closing Date is May 4, 2011. For more information, please see <http://www.careers.ualberta.ca/Competition/S10498011D1/>

### Tenure-Track Faculty Position

## SPECTROSCOPY OF MATERIALS

Faculty of Science and Engineering, Department of Chemistry

The Department of Chemistry of Université Laval invites applications for a tenure-track faculty position in the field of Materials Spectroscopy. Applicants must have a Ph.D. degree and postdoctoral experience. Appointment will be made at the Assistant Professor level. The successful candidate is expected to teach, in French, at both the undergraduate and graduate levels, and to develop an outstanding research program related to the spectroscopy of materials, preferably of nanomaterials. Université Laval is one of Canada's leading research universities with an enrollment of over 35,000 students.

Candidates should submit a curriculum vitae, a research proposal and the names and addresses of three references to:

Professor Normand Voyer

Search Committee

Department of Chemistry

Pavillon Alexandre-Yachon

Université Laval, Quebec City (Quebec) G1V 0A6

The review of applications will begin June 1<sup>st</sup>, 2011 and continue until the position is filled. The expected starting date is September 1<sup>st</sup>, 2011.

## OTHER OPPORTUNITIES

### PDF Research Day

On May 11 (1:00 – 5:00pm) the Postdoctoral Fellows Association and Postdoctoral Fellows Office are hosting a PDF Research Day at the TIMM's Centre (112<sup>th</sup> Street and 87<sup>th</sup> Avenue). Come join us as VP Research, Dr. Lorne Babiuk kicks off an afternoon of speed talks and poster presentations from postdoctoral fellows representing departments across the University of Alberta.

For competing PDFs there will be fantastic **PRIZES** (Grand prize - Earl's tasting dinner for 8, a \$300 value + \$300 cash awarded for the best over-all, and for both poster presentations and speed talks: first - \$300, second - \$200, and third - \$100). For those not presenting there will be refreshments and light snacks provided and some excellent door prizes from Edmonton businesses.

## OTHER OPPORTUNITIES, *continued*

If you are a PDF and interested in presenting your work for these fantastic prizes there are still spots for posters and 3 minute speed talks. **Please email Cathy Cullingham ([cathy.cullingham@ualberta.ca](mailto:cathy.cullingham@ualberta.ca)) for additional information, registration closes April 29<sup>th</sup>.**

If you are a member of the campus community and would like to attend this event, or participate as a judge, please email Cathy Cullingham ([cathy.cullingham@ualberta.ca](mailto:cathy.cullingham@ualberta.ca)).

This event is partially sponsored by the University Hospital Foundation, the Faculty of Medicine and Dentistry, and the Faculty of Science.

We hope to see you there!

The PDFA

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**Call for Exhibits/Volunteers for Science Rendezvous Edmonton 2011** is the International Year of Chemistry. The Chemical Institute of Canada and TELUS World of Science would like to establish **Science Rendezvous Edmonton 2011** as the inaugural one-day festival style celebration of chemistry and science at TELUS World of Science (TWOS) for all the public. **Science Rendezvous Edmonton 2011** runs from 10:00 a.m. to 4:00 p.m. on Saturday May 7. Consider exhibiting and help the public celebrate Science with us!

**Who are you** (in groups of 1-6 ...ideally 4)?

You are a group of people who might have: a few good hands on kitchen/household science or chemistry experiments/demonstrations that you'd like to show to folks of all ages.

You might be a college or university professor/ teacher/researcher/graduate student doing, or directing, research/work of import that you wish to show the general public.

You could be someone who will dress up and take on the persona of, a famous scientist (Einstein, Newton, Curie, Rutherford, Dalton, Priestly, Lavoisier, etc) for the day at TWOS.

You could be a drama student, or drama group, willing to perform a short scene/excerpt from a play featuring a scientist or scientists (Hoffman and Djerasi's *Oxygen*, Capek's *R.U.R.*, Brecht's *Galileo*, Durenmatt's *The Physicists*, Kipphardt's *In the Matter of J. Robert Oppenheimer*, Stoppard's *Arcadia*, Andreyev's *To the Stars*, Maxim Gorky's *Children of the Sun*, and countless other suitable plays) – potentially in the foyer of TWOS.

A group of high school students, with their teacher willing, to demonstrate some research they've done or with exciting chemistry demonstrations to share.

A group of high school teachers demonstrating some exciting chemistry demonstrations they'd like to share.

A chemistry winner/finalist of the Regional Science fair contest.

An Association of local professionals (forensic scientists, fireman, EMTs, etc) who have a science demonstration the public just has to see.

Other relevant interested science group or company (...selling science not your services)

## OTHER OPPORTUNITIES, *continued*

### **How long do you have to exhibit?**

In shifts your group will man a table continuously from 10:00 am to 4:00 p.m. on May 7th, 2011. The precise location of your (8×4) table in TWOS will be determined at a later date.

### **What does each group member get for your volunteer labour?**

The undying thanks of the organizing committee and a CIC Edmonton Volunteer T-shirt.

### **How do you apply to participate in Science Rendezvous Edmonton 2011?**

You must email the following information to Ian Phillips ([ian.phillips@epsb.ca](mailto:ian.phillips@epsb.ca))

**Your Name:** \_\_\_\_\_

**Your Address:** \_\_\_\_\_

**Your Group's name:** \_\_\_\_\_

**Your Organization's name:** \_\_\_\_\_

**Your Group Members' names:** \_\_\_\_\_

**Your Activity:** (Describe your exhibit in no more than 100 words)

There are currently only 30 spots available. Depending on the numbers and variety of entries for Science Rendezvous Edmonton 2011, there is no guarantee that your proposal will be accepted. Informal auditions at a yet to be chosen location (TBA) may be necessary to arrive at the final roster of participants. A call for volunteers is under consideration as of this writing.

Do not hesitate to telephone me at 780-448-5000 to talk to me in person if you need some clarification.

I look forward to working with you in Science Rendezvous Edmonton 2011,  
Dr. Ian G. Phillips (Teacher Ross Sheppard High school).