

# Chemistry Notices

For the Week of February 27 to March 2, 2012

## VISITING SPEAKERS & SEMINARS

Department of Chemistry  
*The Harry Emmett Gunning Lecture Series*  
5-6 March 2012

### 2012 Invited Speaker

### Professor Marek Pruski

*Professor of Chemistry  
Iowa State University  
Senior Scientist, Ames Laboratory*



#### SEMINAR TITLES:

***General audience:** "Studies of Nanostructured Catalytic Materials using Advanced Solid-State NMR Spectroscopy"*  
Monday, 5 March 2012 at 3:30 p.m., CCIS L1 140

***"Solid-state NMR of Small Molecules in Small Rotors."***  
Tuesday, 6 March 2012 at 1:00 p.m., E3-25 Chemistry Centre

***"Progress in High-Resolution Solid-State NMR of Quadrupolar Nuclei: Applications to Porous Materials and Complex Metal Hydrides"***  
Tuesday, 6 March 2012 at 4:00 p.m., E3-25 Chemistry Centre

For further information contact Rod Wasylshen: [Roderick.wasylshen@ualberta.ca](mailto:Roderick.wasylshen@ualberta.ca)

background image courtesy of kinophotography

### PhD Seminar:

Xiaoxia Ye will speak on  
*"Method Development and Application for Comprehensive Proteome Analysis by Mass Spectrometry"* on Monday, February 27th, 2012 at 2:00 pm in room E3-25.

### Physical Division 502 Seminar:

Ekadashi Pradhan will speak on *"Full Dimensional Quantum Dynamics and Spectral Study of Protonated Water Dimer"* on Wednesday, February 29<sup>th</sup>, 2012 at 11:00 am in room E3-25.

# EMPLOYMENT OPPORTUNITIES

Department of Chemistry  
Faculty of Arts and Science  
Université de Montréal

## **Professor in Analytical or Environmental Chemistry**

The Department of Chemistry invites applications for a full-time tenure-track position at the rank of Assistant Professor in the areas of analytical chemistry or environmental chemistry.

### **Responsibilities**

The successful candidate will be expected to teach at all three levels of the curriculum, supervise graduate students, perform and publish innovative research, and contribute to the academic life and reputation of the University.

### **Requirements**

- PhD in chemistry or biochemistry with specialization in analytical chemistry or environmental chemistry.
- Post-doctoral studies and in-depth knowledge in the area.
- Strong commitment to excellence in teaching.
- Capacity to develop a rigorous and original research program.
- Evidence of excellence in research, as demonstrated by an excellent publications record.
- A commitment to develop proficiency in the French language. The Université de Montréal is a Québec university with an international reputation. French is the language of instruction. In accordance with the institution's language policy [[http://www.direction.umontreal.ca/secgen/recueil/politique\\_linguistique.html](http://www.direction.umontreal.ca/secgen/recueil/politique_linguistique.html)], the Université de Montréal provides support for newly-recruited faculty to attain proficiency in French.

### **Salary**

The Université de Montréal offers a competitive salary and a complete range of employee benefits.

### **Starting Date**

From September 1, 2012

### **Deadline**

The complete application, including a cover letter, curriculum vitae, a list of publications and a detailed research proposal including a list of equipment needed, must be received at the address below by April 13, 2012.

Three letters of recommendation are to be sent directly to the Department Chair at the following address:

Robert E. Prud'homme, Chairman  
Department of Chemistry  
Université de Montréal  
C. P. 6128, succursale Centre-ville  
Montréal (Québec) H3C 3J7

For more information about the Department of Chemistry, please consult the Web site at:  
<http://www.chimie.umontreal.ca/>.

# EMPLOYMENT OPPORTUNITIES, *continued*



Suite 600, 344 Bloor St. West  
Toronto, Ontario M5S 3A7  
Phone: 416 907 4404  
Toll Free: 1 877 878 0882  
Fax: 416 628 4625  
Email: [info@prep101.com](mailto:info@prep101.com)  
Web: [www.prep101.com](http://www.prep101.com)

Dear Graduate Students and Medical Students:

Re: Part-Time Summer MCAT Prep Instructor Positions

Prep101 has openings for part-time MCAT prep instructors to teach weeknight and weekend classes this summer in:

- |            |            |             |
|------------|------------|-------------|
| • Calgary  | • Kingston | • Waterloo  |
| • Edmonton | • London   | • Winnipeg  |
| • Guelph   | • Montreal | • Vancouver |
| • Halifax  | • Ottawa   | • Victoria  |
| • Hamilton | • Toronto  |             |

Remuneration is \$50-\$70/hour and classes are on weeknights (5:30pm-9:30pm) and weekends (10:30am-2:30pm). Training is provided and Prep101 provides all necessary lecture materials.

Classes begin May 14 and finish July 22 but instructors do NOT need to be available for the full 10 weeks. Class schedules posted at [www.prep101.com/mcat/locations-schedules/](http://www.prep101.com/mcat/locations-schedules/) are *temporary* placeholders that will be revised to match the availabilities of hired instructors in each location.

We have open contracts to teach:

- MCAT Biology - \$2400-\$3360 contract for 48 hours teaching
- MCAT Chemistry - \$2000-\$2800 contract for 40 hours teaching
- MCAT Organic Chemistry - \$1200-\$1680 contract for 24 hours teaching
- MCAT Physics - \$2000-\$2800 contract for 40 hours teaching
- MCAT Verbal Reasoning and Writing Sample - \$2200 contract for 44 hours teaching

For Science topics covered on the MCAT, see: <http://www.prep101.com/mcat/structure/>

Preferred candidates will have completed or be enrolled in a graduate program and will possess all of the following attributes:

- 1) Dynamic and polished lecturing skills
- 2) Excellent command of spoken English
- 3) Comfortable lecturing to 30+ students
- 4) Advanced problem-solving skills
- 5) Previous teaching or T.A. experience

Interested? Email your resume to [prep101mcat@gmail.com](mailto:prep101mcat@gmail.com) and please indicate which subject(s) you are interested in teaching and your city in the Subject Box (e.g., Subject: Chemistry Calgary).

# EMPLOYMENT OPPORTUNITIES, *continued*



Employee Group: PMA - Professional and Managerial Association

Appointment Type: Continuing

Appointment Status: Regular Full-Time

Hours of Work: 35 per week

Salary Grade: Research Scientist 2

## Responsibilities:

The X-ray Facility Manager provides leadership in the area of X-ray crystallography within the Department of Chemistry, Western University (formerly known as The University of Western Ontario) and the broader community. The X-ray Facility Manager advocates and plans strategically on behalf of the users of the Facility (undergraduate and graduate students and researchers, postdoctoral fellows, research associates, faculty, and external users). The X-ray Manager supports the teaching, research and service missions of the department by effectively managing all aspects of the operation of the X-ray Facility. The Manager also facilitates the research of the faculty and their research personnel by providing an X-ray service as well as technical and professional advice. The Manager takes a collaborative, consultative approach to planning, communicating and implementing all initiatives.

## Qualifications:

### Education:

- PhD (chemistry/physics)
- Preferred: PhD (X-ray Crystallography)

### Experience:

- Minimum 4 - 5 years hands-on experience in single crystal X-ray crystallography and, preferably, also with powder X-ray diffraction experience

### Skills & Expertise:

- X-ray instrumentation
- Basic X-RAY experimental set ups and associated software packages
- X-ray theory (single crystal and powder)
- Knowledge of structural databases
- Knowledge of X-ray, word processing, spreadsheet and web design software
- Knowledge of Linux/Unix computer operating systems
- Technical skills
- X-ray skills
- Leadership skills
- Communication skills: in print, person to person and in large groups (writing, listening, advocating, relationship building, giving feedback)
- Organizational and management skills
- Assessment skills: understanding current operations, realizing the potential for improvements
- Ability to work independently
- Time-management skills
- Problem-solving skills

## Equal Employment Opportunity

Western is committed to Employment Equity, welcomes diversity in the workplace, and encourages applications from all qualified individuals including women, members of visible minorities, aboriginal persons, and persons with disabilities. Only applicants selected for an interview will be contacted.

Reference: 3119

Please apply on or before March 23, 2012 to the Human Resources website at The University of Western Ontario: <http://communications.uwo.ca/careers/>

# OTHER OPPORTUNITIES

## ACPA Scholarships Deadline – March 31

The ACPA offers two \$1000 scholarships for students registered in chemistry programs at universities in Alberta:

- the [ACPA Undergraduate Scholarship in Chemistry](#) and
- the [Arthur Bollo-Kamara Graduate Scholarship](#).

The scholarship criteria and application forms are posted in the [Awards](#) section of the ACPA website.

The deadline for applications is March 31, 2012.

This notice is also posted in the "News and Events" box on the ACPA home page at [www.pchem.ca](http://www.pchem.ca).