

Chemistry Notices

For the Week of July 11 to July 15, 2011

EMPLOYMENT OPPORTUNITIES

A post-doctoral position in theoretical chemical physics is available, beginning Sept. 1, 2011. The work, which is mostly computational, involves elucidating the mechanical and thermodynamic properties of soft elastic materials that contain embedded inclusions. The project is an extension of earlier work in this area (Saul Goldman, JCP, **131**, 184502 (2009); **132**; 164509 (2010)). The requirements include an ability to work independently, facility with basic vector field theory and tensors, experience in chemical physics or theoretical physical chemistry, and good computer and programming skills. The position is for one year, with the possibility of extension for a second year. The compensation includes a salary of \$36 K (CD)/year plus benefits. Please attach an up-dated CV and 1-2 recent representative publications to your application. Short-listed applicants will be asked to have their former supervisors provide references. Reply by e-mail to: sgoldman@uoguelph.ca.



Post-Doctoral Fellowship at the University of Manitoba Synthetic Organic Chemist

The Sorensen Natural Products Group in the Department of Chemistry at the University of Manitoba has an opening for a post-doctoral fellow to start in Fall 2011.

The project involves the synthesis of a library of small molecule inhibitors for an enzyme that is critical to bacterial metabolism. The template for the design of these inhibitors is based upon derivatives of amino acids. This library will serve as lead compounds in the discovery of novel antibiotics.

The successful candidate will have defended a Ph.D. thesis within the last 3 years and will have a strong background in synthetic organic chemistry. The post-doctoral fellow will also be expected to conduct enzyme inhibition assays and preliminary screenings of antibiotic activity.

The funding for this position is **approved** and the project start date is September 1st 2011. The successful candidate should be prepared to start on, or shortly after, this date.

A CV (in PDF format) should be sent to:

Dr. John Sorensen
Department of Chemistry
University of Manitoba
Winnipeg, Manitoba, R3T 2N2
John_Sorensen@umanitoba.ca
Tel: (204)-474-9504

EMPLOYMENT OPPORTUNITIES, *continued*

Assistant Professor in Inorganic Chemistry

10 month Term Position

University of Prince Edward Island

Competition Number 21A11

The University of Prince Edward Island invites applications to the Department of Chemistry for consideration for a **10 month limited term position** in Inorganic Chemistry. Applicants must either currently hold a Ph.D. degree in inorganic chemistry or a related field, or expect to complete their degree requirements by the date of appointment. Teaching experience and/or postdoctoral experience would be an asset. The appointment will be a limited 10 month term position at the Assistant Professor level, and will commence August 1, 2011 or as soon as possible thereafter.

The successful candidate will teach inorganic chemistry at the undergraduate level, as well as environmental and introductory chemistry. Specific courses to be taught are third year Inorganic Chemistry (Chem 374), Environmental Chemistry (Chem 202), one semester of first year General Chemistry (Chem 112) and possibly Polymer Chemistry (Chem 464) and/or a senior-level Inorganic Chemistry course (Chem 467 or 468); course descriptions can be found in the UPEI calendar (http://www.upei.ca/registrar/3_chemistry).

Completed applications will consist of a *curriculum vitae* and a statement of the applicant's teaching philosophy and experience. Applicants must also arrange for letters from three referees to be sent directly to the address below. Applicants may also include a statement of research interests. To receive full consideration, complete applications should be received electronically (pdf or word file) by July 4, 2011, however applications will be accepted until the position is filled.

Enquiries and applications should be sent to:

Dr. Nola Etkin,
Chair, Department of Chemistry
University of Prince Edward Island
550 University Avenue
Charlottetown, PE, C1A 4P3
Phone: (902) 566 0693
Email: netkin@upei.ca

EMPLOYMENT OPPORTUNITIES, *continued*



Suite 600, 344 Bloor St. West
Toronto, Ontario M5S 3A7
Phone: 416 907 4404
Toll Free: 1 877 878 0862
Fax: 416 628 4825
Email: info@prep101.com
Web: www.prep101.com

July 4 2011

Dear Graduate Students:

Re: instructor contracts (2011-12)

Prep101 – an exam prep service for university students – has the openings listed below for instructors to teach weekend prep courses for midterms and final exams in introductory level undergraduate classes.

Remuneration is \$50-\$60/hour for teaching and \$20-\$25/hour for prep plus *very* generous performance bonuses based on student evaluations.

Prep time is freelance throughout the academic term and most teaching is on weekends (occasionally weeknights) so you can work around your other work and academic obligations.

Positions commence in September 2011 and full training is provided. Prep101 provides all necessary course materials.

CONTRACTS

- **Chemistry** (September to April) - \$4000 (+ bonuses) for 4 X 12-hour prep sessions for Exams
- **Organic Chemistry** (September to April) - \$4000 (+ bonuses) for 4 X 12-hour prep sessions for Exams
- **Physics for Science** (September to April) - \$3000 (+ bonuses) for 2 X 12-hour prep sessions for Exams

QUALIFICATIONS

Preferred candidates will possess all of the following attributes:

- 1) Comprehensive knowledge of subject you want to teach
- 2) Excellent command of spoken English
- 3) Dynamic lecturing skills
- 4) Comfortable lecturing to 50+ students
- 5) Advanced problem-solving skills
- 6) Thorough lecture preparation skills
- 7) Previous teaching or tutoring experience
- 8) Interest in a long-term position.

HOW TO APPLY

EMPLOYMENT OPPORTUNITIES, *continued*

Interested? Email your resume to albertainstructors@gmail.com and please indicate which subject you want to teach in the Subject Box (e.g., Subject: Genetics).

Applications from Teaching Assistants are welcomed but you CAN'T teach for Prep101 in the SAME course for which you are concurrently a TA unless you obtain written permission from your academic department.

MORE INFORMATION

For more information about Prep101, visit our website at www.prep101.com and we have also posted a streaming video with an overview of prep instructor positions at:

<http://www.viddler.com/explore/coursecram/videos/4/>

If you have any questions, please phone us at 1 877 878 0882 during weekday office hours.