

Chemistry Notices

For the Week of October 17 to 21, 2011

VISITING SPEAKERS & SEMINARS

Department of Chemistry Colloquium



Richard P. Van Duyne

Professor of Chemistry
Northwestern University
Evanston, IL, USA

will speak on



“Molecular Plasmonics: Nanoscale Sensing and Spectroscopy”

DATE: Friday, 21 October 2011
TIME: 4:00 p.m.
PLACE: CCIS 1 140 (one set of stairs above ground level)

Refreshments will be provided.

Hosted by the Analytical Division

PTO for copy of Abstract

MJS:tdl (tel: 780 248 1506) E5-33G

Physical Division Seminar

Speaker: Prof. P.-N. Roy,
Department of Chemistry, University
of Waterloo

Title: Quantum molecular dynamics:
doped nano-clusters, water cages,
and biomolecules

Date: Tuesday, October 18th 2:00pm
Location: E3-25



EMPLOYMENT OPPORTUNITIES

Postdoctoral Fellow – Structural Biology of the Ubiquitination Cycle.

University of Alberta, Department of Biochemistry.

Dr. Leo Spyropoulos invites applications for a Postdoctoral Fellowship in structural biology of the ubiquitination cycle, with a focus on protein NMR spectroscopy. This is a one-year position, with the possibility of extension. Salary will be commensurate with qualifications and experience.

The Department of Biochemistry offers an intensive, collaborative environment for research in structural biology, housing state-of-the-art research facilities, which include high field 600 and 800 MHz NMR spectrometers.

The successful applicant will be employed primarily to study the structure, dynamics, interactions, and kinetics of proteins and enzymes of the ubiquitination cycle, with an emphasis on determining the molecular basis underlying the recognition of polyubiquitin chains as well as the enzymatic catalysis of ubiquitin chain elongation. Experience with general biochemistry, protein expression and purification, protein NMR spectroscopy, protein structure determination, molecular dynamics simulations, enzyme kinetics, and familiarity with computer programming and software (UNIX, Linux, Mathematica) is an asset. Responsibilities of the postdoctoral fellow include coordinating and completing research projects, training and mentoring graduate students, participating in research discussions, and working closely and cooperatively with other members of the Department involved in structural biology. The postdoctoral fellow will be expected to participate fully in research, publication, and dissemination activities.

Qualified candidates will have a recent Ph.D. in protein NMR spectroscopy or a closely related field. Applications will be accepted from candidates who will complete their doctoral degree within one year.

Information about this position can be obtained by contacting Dr. Leo Spyropoulos (leo.spyropoulos@ualberta.ca).

Applicants should send a letter of application, a curriculum vitae, and an example of published research to Dr. Leo Spyropoulos by e-mail, or by regular mail:

Dr. Leo Spyropoulos
Department of Biochemistry
Room 416, Medical Sciences Bldg.,
University of Alberta
Edmonton, Alberta, T6G 2H7
CANADA

The University of Alberta welcomes diversity and encourages applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

Additional Information:

Department of Biochemistry: <http://www.biochem.ualberta.ca>
Postdoctoral Fellows Office: <http://www.postdoc.ualberta.ca>

EMPLOYMENT OPPORTUNITIES, *continued*

**Florida State University
Department of Chemistry and Biochemistry
Assistant Professor**

The Department of Chemistry and Biochemistry at Florida State University seeks to fill a tenure-track faculty position at the Assistant Professor level beginning August 7, 2012. Applications are encouraged from individuals whose research interests are in any area of modern chemistry and biochemistry. The department is particularly interested in continued growth in the areas of **bioanalytical chemistry** and **chemical biology**, including **advanced imaging and measurement technologies**. Appointees will be expected to develop a vigorous, externally supported research program and to teach both undergraduate and graduate courses. Successful candidates will have a Ph.D. and postdoctoral training in a relevant field. Application materials, including a cover letter, CV, research proposal, and statement of teaching philosophy, should be sent to chemsearch@chem.fsu.edu. Additionally, applicants should arrange for three letters of recommendation to be sent by email or to: Faculty Search Committee, Department of Chemistry and Biochemistry, Florida State University, 95 Chieftain Way, Tallahassee, FL 32306-4390. Review of applications will begin on October 15, 2011, and continue until the position is filled. Florida State University is an equal opportunity employer; minority candidates and women are especially encouraged to apply.

EMPLOYMENT OPPORTUNITIES, *continued*

Chemistry Department Western Washington University

POSITION ANNOUNCEMENT

- Position:** Assistant Professor, *Chemistry*. One (1) full-time, tenure-track position in organic chemistry, broadly defined, beginning September 16, 2012. Candidates with interdisciplinary interests are strongly encouraged to apply. Salary is commensurate with qualifications.
- Duties:** Teach undergraduate organic chemistry lectures and laboratories and advanced courses in field of specialization. Participate in student advisement and departmental committees and activities. Direct student research projects including the presentation and publication of research. Write extramural grant proposals in support of research and curriculum improvement.
- Qualifications:**
- Required:**
- Ph.D. required by time of appointment
 - Required area is organic chemistry or related field
 - Strong record of or potential for effective teaching.
 - Strong record of or potential for scholarship and ability to develop an externally funded research program involving undergraduate and M.S. students.
 - Post-doctoral (or equivalent) experience
- Desired:**
- Demonstrated experience working with a diverse student body.

Department: The department of 17 faculty offers B.S. and M.S. degree programs in chemistry and biochemistry, with the former certified by the ACS. The department has state-of-the-art facilities with approximately 10,000 sq. ft. of dedicated research space and a large portfolio of modern instrumentation. Current external grant support averages \$1M annually. Members of the department are also active in the development of new educational materials, textbooks, and innovative teaching methods. Information about the department can be found at <http://www.chem.wvu.edu/dept/>.

University: Western Washington University is a primarily undergraduate institution of 15,000 students. Western's College of Sciences and Technology, which includes the departments of Biology; Chemistry; Computer Science; Engineering Technology; Geology; Mathematics; Physics/Astronomy; as well as the Science, Mathematics and Technology Education (SMATE) program; the Advanced Materials Science and Engineering Center (AMSEC); Biomedical Research Activities in Neuroscience (BRAIN); and the Internet Studies Center, is a major component of the liberal arts core at Western. University Scientific Technical Services provides high quality technical support to faculty, staff, and students for a wide variety of teaching and scholarship activities involving instrumentation, and the design, manufacture, and repair of equipment. SciTech also operates machine, electronics, and woodworking shops for the design, manufacture and repair of academic, scientific, and supporting equipment. Web-based technologies are used to increase access to scientific instrumentation and supporting instructional materials for the classroom, laboratory, and research environments.

Community: The Western Washington University campus overlooks Puget Sound and the San Juan Islands and is located in Bellingham, WA, a community of approximately 80,000 about 90 miles north of Seattle and 55 miles south of Vancouver, B.C. Bellingham is nationally recognized for quality of life, outdoor adventure, and environmental stewardship.

EMPLOYMENT OPPORTUNITIES, *continued*

THE GEORGE WASHINGTON UNIVERSITY
WASHINGTON DC
Department of Chemistry

October 2011

Dear Colleague,

The Department of Chemistry at the George Washington University is actively soliciting applications and nominations for a non-tenure-track faculty position beginning August 2012 to teach undergraduate Chemistry courses. The level of the appointment is at the rank of Assistant Professor and will be for an initial period of three years, renewal thereafter. The successful candidate will be expected to have a commitment to excellence in teaching and an interest in chemistry pedagogy/education and curriculum development. Previous teaching experience and evidence of scholarly achievements in chemistry pedagogy/education are desirable.

The George Washington University is an independent academic institution that was chartered by the Congress in 1821. As a part of the Columbian School of Arts and Sciences, the Department of Chemistry offers B.S., M.S. and Ph.D. degrees in Chemistry and has cooperative programs with Engineering (an Institute for Materials Science and a Center for the Study of Combustion and the Environment), Geology (Geochemistry) and Forensic Sciences. Furthermore, the presence of a number of prestigious government research laboratories, such as the National Institute for Standards and Technology, National Institutes of Health, Naval Research Laboratory, the US Geological Survey, the FBI Academy, and the Food and Drug Administration, all in the Washington area, provides unique opportunities for cooperative programs with faculty and students. The main campus of the University occupies a 19-block area just west of the White House in downtown Washington, D.C. and within a few blocks of many important institutions.

We are especially interested in attracting applications from women and underrepresented minorities to our faculty. In calling this position to your attention, we are inviting your active participation in sharing this information with prospective applicants either by encouraging an application or sending a nomination to me. Such individuals may currently be in your organization or elsewhere. The George Washington University is an Equal Opportunity/Affirmative Action Employer.

Basic Qualifications: Applicants must have a Ph.D. or equivalent degree. **Application Procedure:** Applicants should submit a letter of application, curriculum vita, and statement of teaching interests to Teaching Position Search Committee, Department of Chemistry, George Washington University, Washington, DC 20052. Recommendations from at least three references should be sent directly to the Search Committee. Only complete applications will be considered. Review of applications will begin November 3, 2011, but the position will remain open until it is filled. I invite you to call and discuss this opportunity at GW or forward this letter or a copy of our ad to someone you know who may be an appropriate candidate. You can reach our department by e-mail at gwchem@gwu.edu or call 202-994-6121.

Sincerely,



Michael M. King
Professor and Chair

EMPLOYMENT OPPORTUNITIES, *continued*



DEPARTMENT OF CHEMISTRY

<http://www.gwu.edu/~gwchem>

Assistant or Associate Professor Theoretical/Computational Chemistry and Assistant Professor Inorganic Chemistry

The Department of Chemistry at the George Washington University is actively soliciting nominations and applications for two tenure-track faculty positions beginning with the 2012-2013 term. One will be at the Assistant or Associate Professor level in Theoretical or Computational Chemistry, and one will be at the Assistant Professor level in Inorganic Chemistry. Successful candidates are expected to advance the vision of the University and the Department as a leading urban research University and to maintain an active, externally funded, research program. A commitment to excellence in teaching at the graduate and undergraduate level is expected. Significant opportunities exist for substantial collaborations with other departments in Arts and Sciences, the School of Engineering and Applied Sciences and the School of Medicine, as well as many private and federal laboratories in the Washington D.C. Metropolitan Area (such as the Naval Research Laboratory, National Institutes of Health, and National Institute of Standards and Technology.) GW colleagues also maintain strong collaborations with unique National Facilities such as Brookhaven, Argonne and the Jefferson Laboratories.

Basic Qualifications for both positions: A Ph.D. or equivalent degree. **Preferred Qualifications for both positions:** Preference will be given to candidates with postdoctoral experience. For the Theoretical or Computational Chemistry position, preference will be given to applicants with research interests in energy and environmental chemistry, materials or biomolecular chemistry and that complement the existing strengths of the Department. For the Inorganic position, preference will be given to applicants with research interests in energy and/or environmental chemistry, including materials/biomaterials chemistry, and that complement the existing strengths of the Department. **Application Procedure:** Applications should include a letter of application, curriculum vita, publication list, description of future research plans and statement of teaching interests. Applications should be sent to either, Chair, Inorganic Search Committee, or Chair, Theoretical/Computational Chemistry Search Committee, Department of Chemistry, George Washington University, Washington, DC 20052. Recommendations from at least three references should be sent directly to the Search Committees. Review of applications will begin November 10 and will continue until the position is filled. Only complete applications will be considered. The department can be reached by e-mail at gwchem@gwu.edu or by calling 202-994-6121. In calling this position to your attention, we are inviting your active participation in sharing this information with prospective applicants by either encouraging an application or sending a nomination. Applications from women and people of color are especially encouraged. *The George Washington University is an Equal Opportunity/Affirmative Action Employer.*

EMPLOYMENT OPPORTUNITIES, *continued*



POSITION ANNOUNCEMENT

Position: Assistant Professor in Chemistry (Inorganic Chemistry), tenure track, starting Aug, 2012

Qualifications: The position requires a strong commitment to excellence in undergraduate teaching and research. A doctoral degree is preferred. Candidates who have nearly finished their doctoral degree (ABD) may be considered, with completion by August 5, 2013. The Department values candidates who demonstrate an ability to work in a collaborative environment with a diverse population of colleagues and students.

Responsibilities: Responsibilities include teaching general chemistry service courses and advanced courses in the area of expertise. Faculty are expected to maintain an active scholarship program that includes mentoring undergraduate research students. Preference will be given to candidates whose scholarship complements existing strengths in the department. Faculty are also expected to contribute service to the Department, College, University, and/or community. Complete requirements for tenure track faculty are detailed in the University Faculty Handbook and the Departmental Performance Expectations document, available upon request.

Salary: Commensurate with experience and qualifications. GVSU salaries are competitive with excellent benefits.

Department: Chemistry - See our web page at gvsu.edu/chem for more information.

How To Apply: Applications must be submitted on-line at www.gvsujobs.org. After completing an application form, the on-line system will require each applicant to attach the following documents: (Microsoft Word or Adobe Acrobat formats)

- 1) An application cover letter
- 2) A *Curriculum Vita*
- 3) A statement of teaching philosophy
- 4) A *brief* summary of scholarship/research activities, including research projects appropriate for undergraduate students. Also include a statement of facilities, equipment, and instrumentation requirements (Detailed equipment budgets are not necessary with the initial application).

Applicants must also arrange for **three letters of recommendation** to be sent to the Search Committee. Letters should be sent as an e-mail attachment to chmdept@gvsu.edu (use "Inorganic Reference Letter" as the subject line). If necessary, letters may be sent by regular mail to Inorganic Search Committee, Chemistry Department, 312 Padnos Hall, Grand Valley State University, Allendale, MI 49401.

Date For Reviewing Applications: Application review will begin October 17, 2010 and will continue until the position is filled.

For more information about Grand Valley, see our website at gvsu.edu
For more information about our department, see our website at gvsu.edu/chem
GVSU is An Equal Opportunity/Affirmative Action Institution
TDD Callers: Call Michigan Relay Center at 1-800-649-3777

EMPLOYMENT OPPORTUNITIES, *continued*



POSITION ANNOUNCEMENT

Position Title: Affiliate Professor in Chemistry

Required Qualifications and Education: Candidates must have a Master's degree in Chemistry and a strong commitment to and demonstrated excellence in undergraduate education.

Responsibilities: Responsibilities include teaching lecture and laboratory courses in the full-year general chemistry sequence; additional assignments are possible depending on candidate expertise and departmental needs. The Department values candidates who demonstrate an ability to work in a collaborative environment with a diverse population of colleagues and students.

Salary: Commensurate with experience and qualifications. GVSU salaries are competitive with excellent benefits.

Department/Division: Chemistry/Liberal Arts and Sciences

How To Apply: Applications must be submitted on-line at www.gvsujobs.org. After completing an application form, the on-line system will require each applicant to attach electronically the following *Word (.doc)* or *Adobe Acrobat (.pdf)* documents:

- 1) An application cover letter
- 2) A *Curriculum Vita*
- 3) A statement of teaching philosophy

Applicants must also arrange for three letters of recommendation to be sent by email to chmdept@gvsu.edu using "Affiliate reference letter" as the subject line. Reference letters can also be sent by regular mail to Affiliate Search Committee, Chemistry Department, 312 Padnos Hall, Grand Valley State University, Allendale, MI 49401.

Application Deadline Date: Application review will begin October 17, 2011 and will continue until the position is filled

Allendale, Michigan 49401 - (616) 331-5000
For more information about Grand Valley, see our website at www.gvsu.edu

An Equal Opportunity/Affirmative Action Institution
TDD Callers: Call Michigan Relay Center at 1-800-649-3777

OTHER OPPORTUNITIES

nanoJobs

Hear perspectives from Albertan
leaders in nanotechnology.
Bring questions to ask the panel.



FREE Food !
5:00 pm

*This event has received
generous support from:*



Dr. Peter Hackett

Fellow at the National
Institute for Nanotechnology



Prof. Mike Brett

NSERC/iCORE/Micralyne Senior Industrial
Research Chair, iCORE Professorship,
Canada Research Chair in Nanostructured Films & Devices



Dr. Steve Petrone

Founder, CEO & CTO,
Quantiam Technologies



Mr. Jeff Matthews

Alliance Guru,
Edmonton Economic Development Corp.

October 19 @ 5:30 pm ETLC Solarium For details & directions, visit:
<http://nanogroup.ece.ualberta.ca>



2nd Annual WISEST Lectureship

Women Leaders

in Science & Engineering:

Why So Few?

Dr. Elizabeth Cannon, P.Eng.

President & Vice-Chancellor
University of Calgary

Thursday, November 1, 2011

5:30 pm – Networking Reception

6:30 pm – Lecture

TELUS Centre, University of Alberta

RSVP at www.wisest.ualberta.ca



OTHER OPPORTUNITIES



Are you a graduate or senior undergraduate student
at the University of Alberta?

Are you interested in polar research?

Apply today to the **Canadian Circumpolar Institute** for research funding!

CCI administers TWO funding programs which provide 'seed' funding aimed at offsetting the high cost of conducting research in Canada's North and throughout the polar regions (including Antarctica).

Circumpolar/ Boreal Alberta Research (C/BAR) Grants

Value: Variable, up to \$5,000 (an average award is \$2,500)

Eligibility: Research in ANY subject area, provided the geographic area of focus is the circumpolar north (any area of the world north of the southern limit of the boreal forest), and Antarctica. Awards are for one-year; a maximum of 3 one-year grants may be received for any one project and/or degree program.

Northern Scientific Training Program (NSTP) Grants

Value: Variable, up to \$3,500 (an average award is \$2,500)

Eligibility: Research in ANY subject area, provided the geographic area of focus is north of the southern limit of the discontinuous permafrost zone, with the addition of all of the Southern Yukon in the West; that section of Labrador south to and including Red Bay; and the other seven Arctic countries (Finland, Greenland (Denmark), Iceland, Norway, Russia, Sweden and the U.S.A. - Alaska).

Open ONLY to Canadian Citizens or Permanent Residents registered with a program leading to a northern specialization.

Post-doctoral studies are **not supported**.

The combined value of C/BAR and NSTP award will not exceed \$5,000

Application: Terms of reference and application forms for **both grants** are available from the Canadian Circumpolar Institute (CCI) website:
<http://www.uofaweb.ualberta.ca/CCI/nav01.cfm?nav01=92005>

CCI Deadline: 20 October 2011

Departmental Deadline: Refer to your Department/Faculty deadlines

OTHER OPPORTUNITIES, *continued*



The Canadian Science Policy Conference (CSPC) is a national forum for science, technology and innovation policy discourse. It provides a unique opportunity to share ideas on how best to create an innovative Canada for all Canadians.

Under the motto "Building Bridges for the Future of Science Policy", CSPC 2011 is organized around issues of enduring and immediate concern to Canadian scientists, industry, government, and policy-makers. This year's meeting will have a special focus on Chemistry

The 3rd annual CSPC meeting will be held in Ottawa from November 16-18, 2011 and registration is now open. CSPC 2011 will be another milestone in Canadian science policy. By bringing together more than 500 high-profile scientists, executives, industry leaders, government officials, and academics, CSPC will provide a unique opportunity for networking amongst Canada's diverse science policy stakeholders. Register now: www.cspc2011.ca

To learn more about science policy in Canada visit our website: <http://sciencepolicy.ca>