

**2014 WEEKLY BULLETIN**  
**DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY**  
**EVANSTON, ILLINOIS**  
**March 3, 2014**

- Tuesday, March 4:                    *Third Year Organic Seminar: Michael Wang (Scheidt Group)*  
Ryan Hall 4003  
11:00am – 12:00pm
- Faculty Lunch Seminar: Lin Chen*  
Tech K140  
12:00 – 1:00pm
- Special Physical Seminar: Marco Dantus*  
Ryan 4003  
4:00 – 5:00pm
- Wednesday, March 5:                *Monthly Faculty Meeting*  
Tech K140  
12:00 – 1:00pm
- Thursday, March 6:                  *Organic Seminar: Paul Cheong*  
Ryan Hall 4003  
4:00 – 5:00pm
- Friday, March 7:                    *Special Seminar: Brian Pate*  
Ryan Hall 4003  
9:00 – 10:00am

***For full schedule, including Center events, please see the Department Calendar:***  
<http://www.chemistry.northwestern.edu/events/calendar.html>

**BIP**

Meets every Friday at 3:00pm in Tech K140

**Arrivals**

There were no new arrivals this week

**Opportunities**

**Chromatography Sales Rep Regis Technologies** is seeking a sales orientated individual to become part of our experienced and professional sales team. The Chromatography Sales Rep will drive high value sales of our science based goods and services.

• **RESPONSIBILITIES**

- Responsible for achieving or exceeding the sales targets by developing new accounts and maintaining existing business
- Prospect and develop customers to influence winning of competitive accounts

- Demonstrates knowledge of our technology and competitive technologies
  - Travels up to 40-50% of the time throughout assigned territory to call on regular and prospective customers
  - PRIMARY ACTIVITIES
  - Responsible for the sales and support of chromatography products and SFC separations
  - Conduct research (on-line or off-line) to locate target prospects
  - Cultivate communication with existing and new customers and respond to all requests for production information
  - Attend industry-related trade shows, symposiums and professional association meetings
  - Manage and maintain all communications with customers in database
  - SECONDARY ACTIVITIES
  - Prepares weekly call and business development activity reports, and trip reports
  - Update and maintain Regis' Salesforce database
  - Develop, build & update customers' profiles
  - REQUIREMENTS
  - A bachelor's degree (B.S) in science is required with a focus in chemistry, biochemistry, biology, or life science, or major in business with minor in science is required
  - 2-5 years work experience in Life Science sales is highly preferred
  - Proven self-starter with strong work ethic, self-motivated, resourceful, conscientious, punctual and energetic
  - Ability to learn the products quickly
  - Customer-focused with a professional phone manner and ability to interact professionally with staff, high-profile and other external clients
  - Strong organizational and time management skills with proven ability to organize, prioritize and successfully manage multiple and shifting priorities, projects, and deadlines
  - Team-player, flexible, adaptable, personable and able to work well with others, take direction, and fulfill responsibilities under stress or pressure with minimal direct supervision
  - Based in Chicago area
  - Must be eligible to work in the United States without any sponsorship
  - **Join experienced and professional sales team as a valued member to drive high value sales of science based goods and service at a manufacturer with over 50 years of success in the life science arena.**
- [www.registech.com](http://www.registech.com)

**The Division of Chemistry in the Department of Chemistry and Physics, College of Science and Engineering (COSE) at St. Cloud State University** has an opening for a full-time, tenure-track

Assistant/Associate Professor in Polymer Materials. The program has 13 full-time chemistry faculty positions and offers an American Chemical Society approved program. The department is well equipped with major instrumentation and research facilities, including a Thermo-Nicollet 6700 FT-IR with far IR capabilities (includes an inspectIR microscope with microATR attachment), an Agilent GC-MS, an Agilent HPLC, a Cary Eclipse Spectrofluorometer, as well as access to a JEOL 6060LV SEM, an Asylum Instruments MFP 3D-Bio SPM, a Bruker D8 Discover X-Ray Diffraction System, and a 1000-Level Clean Room housed in the new Integrated Science and Engineering Laboratory Facility (ISELF). More information about the College and the Department can be found at <http://www.stcloudstate.edu/cose/> and <http://www.stcloudstate.edu/chemistry/>

**Responsibilities:** Primary duties include teaching advanced courses in materials science, organic chemistry, graduate courses in polymeric materials, and introductory chemistry courses. Successful candidates will be expected to engage in an environment of innovation and collaboration that is focused on students, including undergraduate student research and academic advising. In order to be considered for tenure and promotion, the successful candidate will demonstrate the ability to: teach effectively and/or perform effectively in other assignments, produce a record of scholarly or creative achievement or research, participate in continuing preparation and study, contribute to student growth and development, and provide service to the university and community (IFO Article 22, Section B).

Qualifications: Required: Ph.D. in polymer chemistry or materials science with a polymer emphasis is required at the time of appointment, while candidates with a Ph.D. in related fields may be considered

Evidence of the ability to work with persons from culturally diverse backgrounds

Desirable: Teaching experience in organic chemistry and polymers/materials science is desirable.

Preference will be given to candidates who can contribute to an emerging Professional Science Master's program in materials science. The new Integrated Science and Engineering Laboratory Facility (ISELF) represents a great venue for materials science activities.

Additional information on St. Cloud State University can be found at: <http://www.stcloudstate.edu>

To apply for this position use the website: <http://agency.governmentjobs.com/stcloudstate/default.cfm> (click "Apply" within this posting to complete application)

The completed application must include:

- Cover letter
- Curriculum vitae/ resume
- Contact information for three (3) current, professional references
- Copies of official transcripts (undergraduate/graduate)
- Description of proposed research involving undergraduate students
- Statement of teaching philosophy
- Three recent letters of reference (sent directly from referees to the e-mail below)

Contact Information (for questions and letters of reference) E-mail: [chemistrysearch@stcloudstate.edu](mailto:chemistrysearch@stcloudstate.edu)

For best consideration, please apply by March 12, 2014; position is open until filled. Materials received after this date cannot be guaranteed consideration. All finalists will be required to give a seminar on their research and teach an undergraduate-level course during the interview process.

\*Employment for this position is covered by the collective bargaining agreement for the Inter Faculty Organization, which can be found at: [http://www.hr.mnscu.edu/contract\\_plans/index.html](http://www.hr.mnscu.edu/contract_plans/index.html)

St. Cloud State University is committed to excellence and actively supports cultural diversity. To promote this endeavor, we invite individuals who contribute to such diversity to apply, including minorities, women, LGBT, persons with disabilities and veterans. St. Cloud State University is a member of Minnesota State Colleges and Universities System.

**Division of Science and Mathematics at the University of Minnesota, Morris** seeks an Assistant Professor/Lecturer. This is a full-time; three-year temporary position.

Required/Preferred Qualifications: Applicants must hold or expect to receive a Ph.D. in chemistry or a closely related field by August 11, 2014. Experience and evidence of excellence in teaching undergraduate chemistry courses is required. (Graduate TA experience is acceptable).

Duties/Responsibilities: Teaching introductory chemistry courses including general chemistry, organic chemistry and their associated labs, as well as the opportunity to conduct research that involves undergraduates in the Chemistry discipline's Introduction to Research course. Teaching responsibilities may include advanced

elective courses in chemistry/biochemistry. Contributing to the liberal arts mission of the UMM campus as a whole.

Program/Unit Description: The University of Minnesota, Morris (UMM) is a residential public liberal arts college serving 1900 students. As one of five campuses of the University of Minnesota, The Morris campus is located 160 miles west of Minneapolis in the rural community of Morris, MN. Morris is consistently ranked by U.S. News & World Report as a Top 10 Best Public Liberal Arts College. The student body is talented, diverse and engaged. The Morris student body is one of the most ethnically diverse in the University of Minnesota system with 22% students of color, of which 15% are American Indian students, and 10% international students.

The college values diversity in its students, faculty, and staff. The college is especially interested in qualified candidates who can contribute to the diversity of our community through their teaching, research, and /or service because we believe that diversity enriches the classroom and research experience at the University.

The University of Minnesota shall provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression.

To request disability accommodation or material in alternative formats contact: UMM Human Resources, (320)-589-6024, Room309, Behmler Hall, Morris, MN.

Application Instructions: Please apply online via the Employment System at <https://employment.umn.edu/applicants/Central?quickFind=107917>

Applications must include a letter of application, resume, graduate and undergraduate transcripts, a teaching statement with evidence of teaching effectiveness, and three letters of reference. Applications may be sent to Ann Kolden, Administrative Assistant, at [koldenal@morris.umn.edu](mailto:koldenal@morris.umn.edu), (320) 589-6301, or they may be sent to:

Chemistry Search Committee Chair  
Division of Science and Mathematics  
University of Minnesota, Morris  
Morris, MN 56267-2128

Applications will be accepted until the position is filled. Screening begins February 24, 2014.

**Analytical Chemistry Department at Gustavus Adolphus College** invites applications for a full time position of Visiting Assistant Professor in the Department of Chemistry with specialization in analytical chemistry to begin September 1, 2014.

We seek candidates who have an earned doctorate, but will consider candidates who have achieved ABD status. In their application candidates should discuss their commitment to teaching a student- centered undergraduate chemistry curriculum in a liberal arts environment. We are interested in applicants who complement our commitment to students and faculty from diverse cultural groups, and who will diversify the expertise and experiences represented in the department.

The teaching load will be seven course equivalents. Responsibilities will include: a 300-level instrumental analysis lecture and associated lab, a 200-level quantitative chemical analysis lecture and associated lab, 100-level Principles of Chemistry laboratories, and a possible January Term experiential course determined by candidate and appropriate to the candidate's expertise.

The Gustavus Department of Chemistry graduates approximately 30 majors each year. The Department prepares students for continuing education in post-graduate professional programs in chemistry, environmental or health-related fields. Students are engaged in research experiences both within and outside of classes.

To apply, please email (as separate as PDF files) a letter of application, curriculum vitae, statements of teaching philosophy and research interests, undergraduate and graduate transcripts (scanned PDFs/photocopies acceptable), and three confidential letters of professional recommendation (sent directly from the reference) to: [chem-search@gustavus.edu](mailto:chem-search@gustavus.edu).

The cover letter and letters of recommendation should be addressed to:

Dr. Brenda Kelly, Chair Department of Chemistry Gustavus Adolphus College  
800 W College Ave  
Saint Peter, MN 56082-1498

Application information is also available at: [www.gustavus.edu/jobs](http://www.gustavus.edu/jobs). For more details, contact Dr. Brenda Kelly at 507-933-7320 or [chem-search@gustavus.edu](mailto:chem-search@gustavus.edu). Review of applications will begin immediately, and continue until the position is filled.

Gustavus Adolphus College is a coeducational, private, Lutheran (ELCA), residential, national liberal arts college of 2500 students. The College maintains a longstanding commitment to excellence through diversity with a special emphasis on global engagement and service. Additionally, we strive to be a community supportive of all kinds of individuals and families. As an Affirmative Action employer, it is the policy and practice of Gustavus Adolphus College to provide equal employment opportunities for all. EOE/M/F/V/D

**Immediate Postdoctoral Research Fellow position opening in Chen Group:** Conducts basic research on structural dynamics of photoactive systems (transition metal complexes, conducting polymers and hybrid systems) in solar energy conversion. This work will involve using linear and nonlinear ultrafast laser spectroscopies to obtain structural and dynamic information. Please contact Prof. Lin Chen for more details, phone: 847-491-3479, e-mail: [l-chen@northwestern.edu](mailto:l-chen@northwestern.edu).

**National Institute of Standards and Technology** We are seeking post-doctoral researchers to study electronic structure and ultrafast interfacial dynamics at organic heterojunctions. One focus is the use of time-resolved two-photon photoelectron spectroscopy (TR-2PPE) to follow exciton and charge dynamics at the donor-acceptor interfaces. In conjunction with this effort we also apply scanning tunneling microscopy and spectroscopy (STM, STS) to measure interfacial molecular structure, nanoscale phase separation, and local electronic structure. We are also interested in new methods to follow charge transfer and photovoltage at interfaces with nanosecond to picosecond resolution. Finally, we also have interests in the application and further development of THz measurement techniques. Experience with ultrafast laser systems, UHV techniques, photoelectron spectroscopy, and/or STM is desirable but not a requisite. We welcome inquiries from applicants with interests in any of these areas. Positions will be funded through the National Research Council postdoctoral program. *For further information contact:* Dr. Steven Robey [Steven.robey@nist.gov](mailto:Steven.robey@nist.gov) or Dr. Edwin Heilweil [Edwin.heilweil@nist.gov](mailto:Edwin.heilweil@nist.gov)

**The National Research Council of the National Academies** sponsors a number of awards for graduate, postdoctoral and senior researchers at [participating federal laboratories and affiliated institutions](#). These awards include generous stipends ranging from \$42,000 - \$80,000 per year for recent Ph.D. recipients, and higher for additional experience. [Graduate](#) entry level stipends begin at \$30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed program information, including online applications, instructions on [how to apply](#) and a [list of participating laboratories](#), is available on the NRC Research Associateship Programs [Website](#) (see link above).

Questions should be directed to the NRC at 202-334-2760 (phone) or [rap@nas.edu](mailto:rap@nas.edu).  
There are four annual review cycles.

Review Cycle: **February**; Opens December 1; Closes February 1

Review Cycle: **May**; Opens March 1; Closes May 1

Review Cycle: **August**; Opens June 1; Closes August 1

Review Cycle: **November**; Opens September 1; Closes November 1

Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities. More detailed information and an online application can be found at [www.nationalacademies.org/rap](http://www.nationalacademies.org/rap).