2019 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
July 29, 2019

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

Arrivals

We did not have any new arrivals

BIP

BIP is on summer vacation and will resume in the fall.

Opportunities

MilliporeSigma, Milwaukee, Wisconsin Global Product Manager - Energy Materials
Materials Science is a rapidly growing product area within MilliporeSigma's Lab and Specialty Chemicals business. The product management team operates as the hub to coordinate product development, innovation, marketing, and commercial efforts. Our products include monomers, polymers, nanomaterials, electronic chemicals, thin-film materials, and the advanced chemicals used to make them.

Your Role: Manage the Energy Materials product line and drive its growth through collaboration with internal partners in R&D and Business Development and external partners in academics and industry to identify, develop, and commercialize innovative technology and products for energy and inorganic nanomaterials research.

The Energy Materials product line includes materials used for energy storage and energy harvesting and but also inorganic nanomaterials for bioassay development, diagnostics and imaging applications. In this role, you will manage the product portfolio, develop marketing campaigns, set competitive pricing strategy, and expand the product portfolio.

Who you are:
The successful candidate will have a strong background in materials science, energy and/or inorganic nanomaterials research coupled with scientific curiosity and keen interest in market analysis and product marketing. Further, the ability to recognize and cultivate technology areas that address unmet customer needs in energy and nanomaterials research- and to develop meaningful revenue-are crucial for this role.

Minimum Qualifications:

- Ph.D in in Chemistry, Materials Science, or Engineering and 1+ years of experience.
- Or a B.S. in Chemistry or Materials Science with 5+ (five) years of product management and business development experience directly related to the energy and nanomaterials product line(s).
- Fluency in English is required; other languages are a distinct advantage
- Ability to travel domestically (approx. 25% of time) and internationally (approx. 5% of time).

Preferred Qualifications:

- Post-doctoral experience is ideal, but recent graduates with exemplary record will be considered. MBA is preferred but not required.
- Ability to work with a variety of teams, including product management, marketing teams and operational professionals
- Technical understanding of the principles and techniques used in nanomaterials and energy storage materials research
- Excellent communication skills, both written and verbal.
- Ability to communicate with customers, present technical proposals, training or reports, to all organizational levels inside and outside MilliporeSigma.

https://jobs.vibrantm.com/emd/job/Milwaukee-Global-Product-Manager-Energy-Materials-WI-53209-3645/526120401/?locale=en_US

Postdoc position available at Dartmouth College with David Glueck 1-year position, may be renewed for another half year Start date January 2020 (some flexibility possible)
ACS-PRF funded "Metal-Catalyzed Enantioselective Hydration of Nitriles"
Requires experience in inert-atmosphere synthesis/characterization techniques
Also valuable: expertise in catalysis, NMR, phosphine chemistry

Please send (to glueck@dartmouth.edu) cover letter, CV, and 3 letters of recommendation, and contact me with any questions
David Glueck, 6128 Burke Laboratory, Department of Chemistry, Dartmouth College,
Hanover, NH 03755 USA
glueck@dartmouth.edu
dartmouth.edu/~glueck

Kester, An Illinois Tool Works Company, Itasca, Illnois - The Product Development Chemist will conduct materials research and experiments to develop electronic interconnection assembly materials. The successful candidate will develop new soldering materials at the lab level and will also lead the effort to ready new products for mass production through a manufacturing scale-up process.

Primary Duties and Responsibilities

- Develop new and improve current solder paste, liquid flux, tacky flux and cored wire products
- Interface with customers and sales team regarding VOC and evaluations of new products
- Determine new product performance specifications
- Contact suppliers to obtain new raw materials and technical information for evaluation
- Develop new test methods to differentiate new products from previous products and/or competitive products
- Manage new product design process
- Work with scale-up process engineers to bring new materials into mass-production
- Assist Product Management team with data collection for brochures, supplemental data packages, and other
- marketing materials
- Work on specific customer issues and solve internal manufacturing problems
- Perform routine maintenance of equipment and work area
- Support other departments as needed (QC, Engineering, Manufacturing, Sales & Marketing)
- Train less experienced staff in the department
- Occasional travel may be required
- Additional duties and tasks as assigned

Leadership Expectations – ITW

- Strategically Positions Business to Win in Markets. ITW leaders understand what is required to win. They are strategic and anticipate future trends. They bring an outside-in perspective to drive innovation in the organization. They demonstrate a strong enterprise mindset and do what is right for ITW.
- Delivers Results. ITW leaders execute and deliver. They exhibit exceptional business acumen and excellent project management skills. They are stewards of the ITW Toolbox. They hold themselves accountable for consistently meeting ITW's earnings targets.

Qualifications: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Minimum of a bachelor's degree in Chemistry. A related technical graduate degree is highly desired
- Minimum of five (5) years professional chemistry experience with chemical/materials synthesis and test experiences.
- Have good knowledge of the soldering materials, electronics assembly process, electronic industrial standards & test methods, DOE design, statistical analysis, DFM and dFMEA methodologies, and proven application of this knowledge through professional experience.
- Strong project management skills to consistently meet deadlines
- Proven problem-solving skills, open minded for new knowledge and work methodology
- Strong verbal and written communication with excellent presentation skills; ability to effectively interact with customers and employees within all levels of the organization
- Ability to handle multiple tasks and work in a fast-paced environment
- Proficient computer skills - MS Office (PowerPoint, Excel, Word, Outlook, etc.); JMP and/or Minitab is a plus
- Must be a team player with excellent interpersonal and relationship building skills
- Takes initiative; able to function independently and make independent decisions
- Applicants must be authorized to work in the U.S. as a precondition of employment
- Sponsorship is not available for this position

Travel Requirements

Must be willing to travel domestically and internationally as necessary to fulfill the job responsibilities. Travel estimate for this position is estimated to be up to 10%.

www.kester.com

The Department of Chemistry and Biochemistry at Washington and Lee University seeks to fill a full-time Visiting Assistant Professor position to teach Organic Chemistry and the associated lab. The position is for one year. The position starts in August 2019 and requires a Ph.D. in Chemistry (or ABD Ph.D.); teaching experience is highly desirable. The successful candidate will be responsible for teaching a 6.0 course load, which includes: teaching a two-semester organic chemistry sequence and the accompanying labs. There is the possibility of having some resources to engage students with undergraduate research. In keeping with the goals of the W&L Strategic Plan, we seek candidates who can effectively mentor underrepresented minority students.

Diversity is a core value of the Department of Chemistry & Biochemistry. We believe that the educational environment is enhanced when people with diverse backgrounds and ideas come together to learn. Women and underrepresented groups are encouraged to apply.

Washington and Lee University is a highly selective, independent, co-educational, liberal arts college of approximately 1850 undergraduate students located in Lexington, VA, three hours southwest of Washington, DC. W&L is consistently ranked among the top 12 national liberal arts colleges. The Department has ACS-certified programs in both chemistry and biochemistry.

Qualifications

Ph.D. in Chemistry (or ABD Ph.D.); teaching experience is highly desirable. Ability to teach a two-semester organic chemistry sequence and the accompanying labs.

Application Instructions

Applicants should submit the following materials: a cover letter, a curriculum vitae, graduate and undergraduate transcripts, a two-page statement of teaching philosophy, and the contact information for the writers of three letters of recommendation. Letter writers will contribute their materials directly to Interfolio. To submit applications online, visit: http://apply.interfolio.com/65350. Review of applications will begin immediately and continue until the position is filled. If you have questions about the position, please contact Dr. Erich Uffelman, Department Head, Department of Chemistry and Biochemistry, uffelmane@wlu.edu.