

NEWS OF THE WEEK

JANUARY 25, 2021

CBE IN THE NEWS

- [Biden Day One: COVID-19](#)

DEPARTMENT'S SEMINAR/EVENTS:

- [CCST 2021 Spring Webinar Series](#)
 - **Feb. 03, 2021 @ 10 AM** Mark Snyder, Lehigh University
10:00 AM Virtual Seminar – [Registration](#) required
[“Sustainable Synthesis of Functional Nanomaterials for Energy Applications”](#)
 - **Feb. 24, 2021 @ 10 AM** Qi Lu, Tsinghua University
10:00 AM Virtual Seminar – [Registration](#) required
[“Mechanistic Insights into CO₂/CO Electroreduction Catalyzed by Cu”](#)
 - **Mar. 03, 2021 @ 10 AM** Sen Zhang, University of Virginia
10:00 AM Virtual Seminar – [Registration](#) required
 - **Mar. 10, 2021 @ 11 AM** Miguel Modestino, New York University
11:00 AM Virtual Seminar – [Registration](#) required
[“Designing Organic Electrosynthesis Processes for Sustainable Chemical Manufacturing”](#)
 - **Mar. 17, 2021 @ 10 AM** Karthish Manthiram, Massachusetts Institute of Technology
10:00 AM Virtual Seminar – [Registration](#) required
[“Controlling Interfacial Electron and Atom Transfer Reactions for Chemical Synthesis”](#)
 - **Mar. 31, 2021 @ 10 AM** Joshua Snyder, Drexel University
10:00 AM Virtual Seminar – [Registration](#) required
 - **Apr. 21, 2021 @ 10 AM** Matthew Kanan, Stanford University
10:00 AM Virtual Seminar – [Registration](#) required
 - **May 05, 2021 @ 10 AM** Rachel Getman, Clemson University
10:00 AM Virtual Seminar – [Registration](#) required

JOBS/RECRUITING:

- **University of Virginia**
Position: [Research Associate in Chemical Engineering](#)
Job #: R0021365
Brief description: The Department of Chemical Engineering at the University of Virginia is seeking a Research Associate in the lab of Professor Giorgio Carta. The successful candidate will perform studies aimed at understanding (a) the structure of novel chromatography media and (b) the mechanisms of adsorption equilibrium and transport of proteins and other biomolecules in these materials using a combination of experimental measurements and mechanistic modeling. Requirements for the position include strong background in preparative chromatography, familiarity with techniques used to measure biomolecule adsorption equilibrium and kinetics, and ability to program in MatLab. The candidate will work with current graduate students, collect data using a variety of macroscopic and microscopic tools, analyze and interpret experimental results, implement mechanistic modeling in a MatLab setting, and write manuscripts.
- **University of Illinois at Urbana-Champaign**
Position: [Open Rank Specialized Teaching Faculty Positions](#)
Brief description: The Department of Chemical and Biomolecular Engineering at the University of Illinois at Urbana-Champaign seeks energetic and student-oriented individuals for a Specialized Teaching Faculty position - Teaching Professor (all ranks – Assistant/Associate/Full Professor) and Lecturer/Senior Lecturer. Teaching Faculty positions are 9-month (Aug 16- May 15; paid over 12 months), full-time academic appointments (non-tenure track). The Department has approximately 600 total undergraduate students. The department resides in the School of Chemical Sciences, within the College of Liberal Arts and Sciences.
- **Oregon State University**
Position: [Instructor Pool Positions Spring 2021](#)
Brief description: The School of Chemical, Biological and Environmental Engineering (CBEE) within the College of Engineering invites applications for 9-month, full-time and part-time instructors to teach on a term-by-term basis for the 2020/2021 academic year. These appointments are fixed-term and non-tenure track with the possibility of renewal at the discretion of the School Head. Some of these appointments may be reviewed for renewal or transition to an instructional position on an annual basis at the discretion of the School Head. Instructors may be needed to teach courses in the following areas: CBEE core courses including, but not limited to, material and energy balances, engineering problem solving and computation, and writing intensive laboratories; Bioengineering with topics including, but not limited to, bioreactors, bioseparations, cellular/molecular engineering, bioengineering laboratories, social justice/ethics, and design; Chemical Engineering with topics including, but not limited to, transport, thermodynamics, chemical engineering laboratories, and plant design. Environmental Engineering with topics including, but not limited to, bioreactors, environmental engineering laboratories, water and air treatment, and design.
- **Eli Lilly and Company**
Position: [Postdoctoral Scientist \(PAT, SMDD\) – FDE](#)
Req. ID: R-6109
Brief description: Synthetic Molecule Design and Development (SMDD) is an innovation-focused organization within Eli Lilly and Company. Our dynamic group is made up of chemists, pharmaceutical scientists, analytical chemists, and engineers. We strive to identify, develop and apply groundbreaking technologies to deliver maximum benefit to our patients. Within SMDD, real-time process monitoring is essential to establishing a robust and sustainable supply chain for small molecules as well as other synthetic molecules such as peptides, oligonucleotides and antibody-drug conjugates. We seek to use new technologies for key problems, and we endeavor to constantly improve the way we develop and manufacture therapeutic molecules.

Available positions can be found on the [Chemical & Biomolecular Engineering opportunity website](#), so be sure to check it regularly.