NEWS OF THE WEEK
JANUARY 25, 2020

CBE IN THE NEWS
• Biden Day One: COVID-19

DEPARTMENT’S SEMINAR/EVENTS:
• CCST 2021 Spring Webinar Series
  - Feb. 03, 2021 @ 10 AMMark Snyder, Lehigh University
    10:00 AM Virtual Seminar – Registration required
    "Sustainable Synthesis of Functional Nanomaterials for Energy Applications"
  - Feb. 24, 2021 @ 10 AMQiu Lu, Tsinghua University
    10:00 AM Virtual Seminar – Registration required
    "Mechanistic Insights into CO2/CO Electroreduction Catalyzed by Cu"
  - Mar. 03, 2021 @ 10 AMSen Zhang, University of Virginia
    10:00 AM Virtual Seminar – Registration required
  - Mar. 10, 2021 @ 11 AMMiguel Modestino, New York University
    11:00 AM Virtual Seminar – Registration required
    "Designing Organic Electrolysis Processes for Sustainable Chemical Manufacturing"
  - Mar. 17, 2021 @ 10 AMKarthik 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 AMJoshua Snyder, Drexel University
    10:00 AM Virtual Seminar – Registration required
  - Apr. 21, 2021 @ 10 AMMatthew Kanan, Stanford University
    10:00 AM Virtual Seminar – Registration required
  - May 05, 2021 @ 10 AMRachael Getman, Clemson University
    10:00 AM Virtual Seminar – Registration required

JOBS/RECRUITING:
• University of Virginia
  Position: Research Associate in Chemical Engineering
  Job #: R021215
  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 media 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 Position
  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 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: CBE 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.