

NEWS OF THE WEEK

SEPTEMBER 5, 2022

CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)
- [Exploring Biomanufacturing's Past and Future](#)
- [What is ISRU, and How Will it Help Human Space Exploration?](#)

DEPARTMENT'S SEMINAR/EVENTS:

- **CBE Seminar Series**
Prasanna Joshi, Vice President
ExxonMobil Technology and Engineering Company
Friday, September 9, 2022
10:00 AM in 102 CLB and via ZOOM: <https://udel.zoom.us/j/91314568641>
[Innovating Energy Solutions in a Net-Zero Future](#)
- **BITC / CBST Seminar**
Dr. Michael Brenowitz
Thursday, September 8, 2022
1:00 PM via ZOOM: <https://udel.zoom.us/j/93650776487>
A Simple and Inexpensive Method of Quantitatively Protein Oxidation for Mapping Protein – Protein and Protein – Ligand Interactions
- **CCST Seminar**
Adam Holewinski, University of Colorado
Wednesday, September 14, 2022
10:00 AM in 366 CLB and via ZOOM: <https://udel.zoom.us/j/94195465880>
[Toward Understanding Mechanisms in Electrocatalytic Syntheses with Renewable Feedstocks](#)

OTHER DEPARTMENT'S SEMINAR/EVENTS:

- **Department of Physical Chemistry**
Dr. Juan Perilla, University of Delaware
Friday, September 9, 2022 at 4:00 PM in 131 SHL
and via Zoom: <https://udel.zoom.us/j/98093174367>
“Discovery through the lens of the computational microscope”
- **Department of Philosophy Seminar**
Dr. Kieran Setiya, MIT
Friday, September 16, 2022 at 3:30 PM in 103 GOR
[“Absurdity and Meaning”](#)
Reception to follow
- **Department of Plant & Soil Sciences Seminar**
Prof. Jonas Baltrusaitis, Lehigh University
Friday, September 23, 2022 at 12:20 PM in 132 TNS
[“Addressing Challenges in Nitrogen Sustainability: From Molecular Design to Process Design”](#)

JOBS/RECRUITING

- **Carnegie Mellon University**
Position: [Chemical Engineering Tenure-Track Faculty Position – 2023](#)
Brief description: Applicants must have earned a PhD in chemical engineering or a closely related field of engineering or science. We are open with respect to rank and research area; applicants with an experimental focus on biological, biomedical, or bioengineering aspects of chemical engineering will be of particular interest. For senior level applicants, teaching experience and an internationally recognized record of research are expected.
- **GSK**
 - **Position:** [Investigator – Downstream Process Development](#)
Brief description: As an Investigator in Downstream Process Development, you will be a member of a highly skilled team of scientists and engineers responsible for the evaluation and optimization of purification processes. You will be involved in all aspects of the development of purification processes including initial process screening, optimization, characterization, scale-up and tech transfer to clinical manufacturing and/or commercial manufacturing partners for therapeutic proteins including monoclonal antibodies, and antibody-drug conjugates.
 - **Position:** [Investigator, Biopharm Upstream Process Development](#)
Brief description: In this role, you will be a member of a highly skilled team of scientists and engineers responsible for the evaluation and optimization of cell culture processes. The team will have access to the latest technology in small-scale as well as large scale bioreactors and analytical instruments. Although predominantly lab-based, the role also involves important aspects of verbal and written communication and requires good organisation skills as well as a broader scientific knowledge. Both individual and team working are required and therefore the role will suit a scientist with good interpersonal skills, ability to solve complex problems, self-motivated and has an open mindset.
 - **Position:** [Investigator, Process Technology, GMP Operations](#)
Brief description: As an Investigator within our Process Technology, GMP Operations team, you will lead the industrialization and introduction of new Single-Use (SU) process technologies for upstream and downstream manufacturing, as well as collaborate with CMC matrix teams and GSK Biopharm manufacturing sites to deliver a robust SU technology manufacturing platform and progress the GSK Biopharm portfolio.
 - **Position:** [Investigator, Modeling & Simulation](#)
Brief description: As an Investigator, Modeling and Simulation in the US Process Analytics team (NCE Drug Substance and Drug Product – small molecule & biopharm) you will be responsible for
 - Developing and implementing mechanistic, data driven (MVA, Bayesian optimization, machine learning, chemometrics) and hybrid models to accelerate development, increase fundamental understanding, improve risk assessment, and...(click on the position for more details).
- **Michigan Technological University**
Position: [Assistant, Associate or Full Professor, Chemical Engineering](#)
Job #: 22193
Location: Main Campus (Houghton, MI)
Brief description: Michigan Technological University invites applications for a faculty position in the Department of Chemical Engineering at the assistant, associate, or full professor level. Exceptionally qualified candidates would be considered for an open endowed chair that is available in the Department.
- **Gore**
Position: [Polymer Scientist-223124](#)
Job #: 492899 **Location:** Elkton, MD
Brief description: We are looking for an energetic, self-motivated Polymer Scientist to join our Core Technology team. In this role, you will have the opportunity to drive early-stage technical discovery to create new material capabilities which provide potential for Gore's growth. This role may involve leveraging external research, driving early-stage technical feasibility, advanced characterizations and/or development of fundamental understanding in ionic polymer materials.
- **Sanofi**
Position: [2023 Co-op Biologics Drug Product Development](#)
Job #: R2658541
Location: Elkton, MD
Brief description: We are seeking a highly motivated and talented Co-op to join our Biologics Drug Product Development group. Our organization is responsible for integrated end-to-end drug product development in support of Sanofi's promising pipeline of biotherapeutic and gene therapy products. As part of our talented team, you will be exposed to the Research-to-Development transition by participating in drug product development programs and will contribute to the development of development platforms for enzyme therapies, monoclonal antibodies, viral gene therapies and other biologic modalities.
- **Princeton University**
Position: [Assistant, Associate or Full Professor, Chemical Engineering](#)
Req. ID#: D-23-CBE-00002
Brief description: The Department of Chemical and Biological Engineering at Princeton University seeks outstanding applicants for a tenure-track appointment at the Assistant Professor level, effective as early as September 1, 2023. While the main focus is at the Assistant Professor rank, exceptional candidates for Associate and Full Professor rank will be considered. The search is open to candidates specializing in any area of chemical engineering.

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