

NEWS OF THE WEEK

FEBRUARY 10, 2025

CBE IN THE NEWS:

- [Congratulations to Juliana Nam with being awarded a graduate fellowship from the Koerner Family Foundation.](#)

DEPARTMENT SEMINAR/EVENTS:

- **CBE Seminar Series | 102 CLB @ 9:00 AM** (unless otherwise noted)
 - **Ya-Huei (Cathy Chin, University of Toronto)**
Friday, February 28, 2025 in 102 CLB
[“Catalytic Dances of Molecules on Free Energy Surfaces: Developing Knowledge Framework Exploiting Excess Potential in C–O and C–H Bond Scission Catalysis”](#)
 - **Styliani Avraamidou, University of Wisconsin-Madison**
Friday, March 21, 2025 in 102 CLB
[“Towards Circular Food Supply Chains: Integrated Design of Food Packaging and Waste Management Infrastructures”](#)
 - **Sean Hunt, Solugen, Inc.**
Friday, April 11, 2025 in 102 CLB
[“Scaleup in the Fast Lane: From idea to shipping 200 million pounds in under 8 years”](#)
 - **Han Li, University of California, Irvine**
Friday, April 18, 2025 in 102 CLB
[“Engineering the Redox Chemistry of Life”](#)
 - **Ashish Lele, CSIR-National Chemical Laboratory**
Friday, April 25, 2025 in 102 CLB
[“Role of clean hydrogen in India’s energy transition – Opportunities and Challenges”](#)
 - **Carlos Rinaldi-Ramos, University of Florida**
Friday, May 2, 2025 in 102 CLB
[“In Vivo Quantitative Tracking of Nanoparticles and Cell Therapies Using Magnetic Particle Imaging”](#)

OTHER DEPARTMENT EVENTS:

- **CAS: Analytical Seminar**
Christine Payne, Ph.D., Duke University
Monday, February 3, 2025 at 4:00 PM in 219 BRL
[“Understanding, Engineering, and Predicting the Interaction of Nanomaterials with Biological Systems”](#)
- **DEI Seminar**
Dr. Phillip Demokritou, Rutgers University
Tuesday, February 4, 2025 at 11:00 AM in 366 CLB
or via Zoom: <http://www.udel.edu/0012791>
[“From Plastics to Micro-Nanoplastics: Potential Environmental Health Implications”](#)
- **Society of Catholic Scientists and Society of Catholic Scholars of Delaware**
Prof. Lawrence M. Principe, Johns Hopkins University
Tuesday, February 11, 2025 at 7:00 PM at Newman Center
[“Jesuit Science after Galileo”](#)
- **Brandywine Valley Chapter of ASM International**
[Innovations in Stretchable Electronics & Manufacturing](#)
Dr. Nathan Lazarus, Electrical & Computer Engineering, University of Delaware
Wednesday, February 12, 2025 starting at 6:00 PM at Evans Hall
[RSVP](#) required by **February 10, 2025**
- **MSEG Seminars | 10:30 AM in 366 CLB**
Robert J. Hickey, Pennsylvania State University
Wednesday, February 26, 2025
Title: [“Enhancing Actuation Properties in Strain Crystallized Polymer Fibers”](#)

JOBS/RECRUITING

- **Pacific Northwest**
Position: [Post Doc Research Associate – Applied Catalysis](#)
Brief description: PNNL’s Advanced Energy Systems Group has an opening for a Post Doctorate Research Associate in Applied Catalysis, supporting heterogeneous catalyst development and testing across a range of decarbonization and environmental applications including engine exhaust aftertreatment, carbon capture & utilization, and hydrogen production. The successful candidate will work with project teams to perform catalyst evaluations, pursue structural and functional understandings of the catalysts using a suite of state-of-the-art instruments, and collaborate with staff performing the corresponding computational chemistry.
- **ProViZiGen**
Position: [Postdoctoral Research/Scientist-Protein Engineer-Biomaterials Engineer](#)
Brief description: We are looking for an innovative and talented biomedical scientist or engineer to develop our platform technology focused on biomaterials. Candidates are expected to work in a multidisciplinary environment. The successful candidate will be driven, creative and team-oriented with a passion for biomaterials. We welcome applicants from recent PhDs and postdocs seeking experience in a startup.
- **Sustainable Materials Innovation HUB**
Position: [Postdoc Positions](#) & [PhD Positions](#) available
Brief description: Across the two projects we are recruiting five PhD students and four post-docs with a diverse array of backgrounds. Students with a background in social science (post-doc), life cycle assessment (post-doc), synthetic polymer chemistry (PhD and post-doc), polymer processing / recycling (PhD and post-doc), metrology (PhD), reuse / sterility (PhD) and systems sustainability (PhD). We can consider international candidates for many of these roles. Contact Michael Shaver directly at michael.shaver@manchester.ac.uk.

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