

NEWS OF THE WEEK

SEPTEMBER 20, 2021

CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)
- [Top-ranked University](#)
- [Making the most of yeast](#)
- [NSF EPSCoR grant will advance manufacturing of renewable and recyclable plastics](#)

DEPARTMENT'S SEMINAR/EVENTS:

- **CBE Seminar Series**
 - **Dr. Stacey Finley**, University of Southern California
Friday, September 24, 2021 @ 10:00 AM in 102 CLB
via Zoom: <https://udel.zoom.us/j/96949001719>
[Mechanistic Modeling of Immune Cell Activation in Cancer](#)
 - **Allan P. Colburn Memorial Lecture**
Dr. Matthew Panzer, Tufts University and UD Chemical Engineering Alumni
Friday, October 29, 2021 @ 10:00 AM in 102 CLB
via Zoom: <https://udel.zoom.us/j/98079957563>
[Design of Polymeric Scaffolds for Nonaqueous Ionogel Electrolytes](#)
 - **Kurt Wohl Memorial Lecture**
Dr. Jingguang Chen, Columbia University
Friday, November 19, 2021 @ 10:00 AM in 102 CLB
via Zoom: <https://udel.zoom.us/j/97520210237>
[Chemical Engineering Approaches for Catalytic Reduction of CO₂](#)
 - **Dr. Jacinta Conrad**, University of Houston
Friday, December 3, 2021 @ 10:00 AM in 102 CLB
via Zoom: <https://udel.zoom.us/j/92635728693>
[Nanoparticle Transport in Crowded, Confined Media](#)
- **EmPOWER Events**
 - **Rock Climbing**
September 25th or 26th, Delaware Rock Gym @ 11:00 AM (**RSVP by 9/23**)
Join us for indoor rock climbing at the Delaware Rock Gym! The gym is located in Bear, DE (~15 min drive from campus) and offers bouldering and top rope climbing. All skill levels are welcome!
If it is your first time going to this gym, a day pass is free if you're with a gym member (like us 😊), and it costs \$5 to rent shoes. If it is not your first visit, the day pass is \$16.

Additionally, you must fill out a waiver at <https://www.derockgym.com/release.php> before you get to the gym.
Please reach out to Jon Wilson (jonwils@udel.edu) or Robert O'Dea (odear@udel.edu) with any questions. We are happy to carpool if people are interested in doing so. We hope to see you there!
- **Colburn Club Events**
 - **Colburn Club Elections**
Wednesday, September 22, 2021 @ 1:00 PM
via Zoom: <https://udel.zoom.us/j/92223775945>
Nominate yourself or others for positions using this form: <https://forms.gle/9QhHgkYzS4XAAzeR9>.
(See Nick O's email from 9/16 for more info)
 - **Autumn Arch**
Thursday, September 23, 2021 @ 5:00 PM
3:40-4:40 PM in 037 CLB
Zaikka Food Truck will be there serving Indian and Mediterranean food (menu here: <https://www.zaikka.com>), and Autumn Arch can provide the beer (and wine) (and root beer).

OTHER DEPARTMENT'S SEMINAR/EVENTS:

- **Particle Physics Seminar**
Juri Smirnov, Ohio State University
Thursday, September 21, 2021 at 12:00 PM
via Zoom: <https://udel.zoom.us/j/91367082660>
"Thermal Squeeze out of Dark Matter"
- **Mathematical Sciences Department Seminars**
 - **Probability and Stochastic Processes Seminar**
Monday, September 20, 2021
12:15 PM via Zoom
Tony Lelièvre (ENPC-CERMICS), Paris
Title: Molecular dynamics algorithms: numerical and mathematical analysis
 - **Hallenbeck Graduate Student Seminar (HGSS)**
Wednesday, September 22, 2021
12:00 PM at 336 EWG
Boyang Xu and Melinda Kleczynski
Title: Inmas training and intership

FUTURE LEADERS IN CHEMICAL ENGINEERING

- **Lilly**
Brief description: Lilly offers various internship programs both for undergraduate and graduate students and even post-doctoral opportunities. One of those opportunities is through the Medicines Innovation Hub (MIH) organization. The MIH at Eli Lilly and Company integrates molecule discovery and development capabilities into a single organization that span the entire pharmaceutical value chain. Areas of research in MIH include small molecule therapeutics and biotherapeutics R&D, new therapeutic modalities, and drug delivery and devices, just to name a few. MIH offers an exciting 12-16 weeks internship program available to undergrads, masters or PhD students. The internship will give students exposure to real-world projects and technical mentors in the pharmaceutical industry, and provide ample opportunity for networking.

 - Virtual Virtual Career Panel and Internship Info Session on Oct 5th 5 to 6pm EST: <https://udel.joinhandshake.com/events/837476>
 - Undergraduate internship application: <https://udel.joinhandshake.com/jobs/5269452>
 - Master's & PhD internship application: <https://udel.joinhandshake.com/jobs/5269419>
- **MERCK**
 - **Position:** [Senior Scientist, Bio Process](#)
Brief description: We are seeking a highly motivated scientist to join the Biologics Upstream Pilot Plant Technologies Group within Biologics PR&D, as part of the team charged with supporting the operations of the mammalian and microbial bench top bioreactors and introducing innovative technologies. Candidate is expected to work in a team atmosphere in close collaboration with BioProcess development scientists, facility engineering, lab automation and safety groups.
 - **Position:** [Sr Scientist – Bio Process](#)
Brief description: The successful candidate will contribute to CMC development of our Company's pipeline, playing a dynamic role in development of cell culture processes and transfer to clinical manufacturing sites. They will also partner with other functions to advance our knowledge of cell culture processes through data science approaches.
- **Case Western Reserve University**
 - **Position:** [Postdoctoral Researcher, High Performance Thermoplastic Polyurethane Systems](#)
Brief description: The Department of Macromolecular Science and Engineering of Case Western Reserve University (Cleveland, Ohio) announces the availability of a postdoctoral research opening in the area of high performance thermoplastic elastomer systems. This position is open to individuals who hold a Ph.D. in a relevant field (e.g, Chemical Engineering, Polymer Science and Engineering, Chemistry, Materials Science, etc.) and is expected to be initially a 12-month appointment.
 - **Position:** [Postdoctoral Researcher, High Performance Thermoset Polyurethanes](#)
Brief description: The Department of Macromolecular Science and Engineering of Case Western Reserve University (Cleveland, Ohio) announces the availability of a postdoctoral research opening in the area of high performance polyurethane systems. This position is open to individuals who hold a Ph.D. in a relevant field (e.g, Chemical Engineering, Polymer Science and Engineering, Chemistry, Materials Science, etc.) and is expected to be initially a 12-month appointment.
- **Massachusetts Institute of Technology (MIT)**
Position: [Assistant Professor](#)
Brief description: The Massachusetts Institute of Technology (MIT), Department of Chemical Engineering (<https://cheme.mit.edu/>) in Cambridge, Massachusetts invites candidates for faculty positions starting July 2022 or as soon thereafter as possible. Appointment will be at the Assistant or untenured Associate Professor level. In special cases, a senior faculty appointment may be possible. Candidates must have a Ph.D. in Chemical Engineering or a related field by the start of employment. Candidates with research and teaching interests in every area relevant to the field of Chemical Engineering will be considered, including candidates with areas of research in process systems engineering, biomedical engineering and advanced technologies for health and the environment, sustainability, biomanufacturing, bioprocess, or applied synthetic biology, energy systems, and materials design and engineering. All strong candidates in Chemical Engineering fields are encouraged to apply. The faculty responsibilities of the successful candidate will include: advising students, developing and teaching Chemical Engineering courses at both undergraduate and graduate levels, as well as developing a sponsored research program and being involved in service to MIT and the profession.
- **Yale University**
Position: [Assistant Professor, Chemical and Environmental Engineering](#)
Brief description: The Department of Chemical and Environmental Engineering seeks applicants for a tenure-track faculty position at the Assistant Professor level with the anticipated start date of July 2022. PhDs (or soon-to-be PhDs) in chemical engineering or a related discipline and having research expertise in the broad field of chemical engineering with a focus on design, synthesis, characterization, and/or assembly of materials with emphasis on transformative energy alternatives, quantum materials, and/or data science. This area ties traditional strengths of the chemical engineering field in advanced materials synthesis, processing and integration into industrial scale processes, and reflects Yale University's science and engineering strategic initiatives. Candidates will be sought who can establish strong collaborative efforts within the Department as well as with the Yale Energy Sciences Institute.

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