

### NEWS OF THE WEEK

SEPTEMBER 27, 2021

#### CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)

#### DEPARTMENT'S SEMINAR/EVENTS:

- **CBE Seminar Series**
  - **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 CO<sub>2</sub>](#)
  - **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**
  - **EmPOWER Event Series**
    - **Materials:** Tuesday, September 28, 2021 @ 9:30 AM in 366 CLB (hosted by Ian, Brian, Chris, & Robert)
    - **Catalysis:** Wednesday, September 29, 2021 @ 3:00 PM in 343 CLB (hosted by Brandon, Nick, & Jian)
    - **Computational Methods:** Friday, October 1, 2021 @ 10:00 AM in 366 CLB (hosted by Sanjana)
    - **Biology:** Friday, October 1, 2021 @ 1:00 PM in 366 CLB (hosted by Sam & Samik)Everyone on the EmPOWER team wants you to know that we are here to support you in your research pursuits as well as your well-being. To that end, we will be hosting a range of research troubleshooting sessions to bring people together for casual discussion around the joys of doing things that have never been done before...but will soon be done, once you just figure out that one thing that you're very close to figuring out... We know how it is.

Join us next week for the first set of discussions in this EmPOWER event series. Event details for the research area-specific sessions are as follows – attend whatever event(s) fit your research the best!

  - **Faculty Q&A Panel on Publishing**  
Wednesday, September 29, 2021  
11:00 – 2:00 PM in 102 CLB  
So you started writing a paper. Congrats- the hard part is behind you! At least, it should be. Wondering what comes next? How to navigate the murky waters of the publishing process? EmPOWER will be hosting a faculty panel on the publishing process next Wednesday, September 29th, from 1-2 pm in 102 CLB. Our panel will include Professors Aditya Kunjapur, April Kloxin, and Arthi Jayaraman. If you have a question you would like to submit ahead of time, please email it to our moderator, Jen Mills ([jnm@udel.edu](mailto:jnm@udel.edu)). See you there!
  - **Apple Picking at Milburn Orchards**  
Weekend of October 2/3 (Date/Time TBD) – RSVP Nick Oliveira  
Want to get out of the lab and enjoy the fall weather? EmPOWER is hosting an apple picking event at the local [Milburn Orchard](#) (~10 minutes by car from campus) on either Saturday 10/2 or Sunday 10/3. We will have the chance to get out, pick some deliciously fresh apples, and maybe relax and chat over some ice cream or an apple cider donut at the end of the event. Due to COVID, tickets for visitors must be booked in advance online, so please let Nick Oliveira ([njo@udel.edu](mailto:njo@udel.edu)) know if you are interested and what day would be best so we can try to plan around everyone's schedules by Wednesday Sept 29th. Please note, the price of the apples will depend on how many you pick, but Millburn has a minimum price of about 8-10\$ per person. We hope to see you there!

#### OTHER DEPARTMENT'S SEMINAR/EVENTS:

- **Department of Biological Sciences, Fall 2021 Seminar Series**  
Catherine Fromen, University of Delaware  
Monday, September 27, 2021 @ 1:30 PM in 318 WLF  
and via Zoom: <https://udel.zoom.us/j/93422086583>  
"Regulating Innate Immune Cell Response and Longevity through Nanoparticle Physiochemical Design Features"
- **Department of Physics & Astronomy**
  - **Nicholas J. Borys, Montana State University**  
Monday, October 11, 2021 11:00 PM via Zoom: <https://udel.zoom.us/j/93198678016> "Exploring Exciton-Enabled Nanoscale Optoelectronics in 2D Semiconductors"
  - **Mingzhong Wu, Colorado State University**  
Monday, October 18, 2021  
11:00 AM via Zoom: <https://udel.zoom.us/j/91648134726>  
When a Magnetic Insulator Meets a Topological Insulator
- **Mathematical Sciences Department Seminars**
  - **Quantum Information and Computing Seminar**  
Wednesday, September 29, 2021  
11:00 PM via Zoom: <https://udel.zoom.us/j/98508376489>  
Passcode: QIC  
Speaker: Ruslan Shaydulin, Argonne National Laboratory  
Title: Towards Practical Advantage in Quantum Optimization
  - **Hallenbeck Graduate Student Seminar (HGSS)**  
Wednesday, September 29, 2021  
12:00 PM at 336 EWG  
Speaker: Jerome Roehm, University of Delaware  
Title: An Introduction to Topological Data Analysis and Hippocampal Place Cells

#### FUTURE LEADERS IN CHEMICAL ENGINEERING

- **Future Leaders in Chemical Engineering – NC State Engineering**  
October 24-25, 2021  
Future Leaders in Chemical Engineering is a one and one-half day, all-expense paid research symposium at NC State University recognizing the top undergraduate researchers in chemical engineering in the United States. Chemical engineering researchers (and those in related fields) who are within one year of graduating are [eligible to apply](#).

#### JOBS/RECRUITING

- **Florida State University**  
**Position:** [Permanent, Tenure-Track Faculty Position](#)  
**Brief description:** The Department of Chemical & Biomedical Engineering (CBE) at the Florida A&M University (FAMU)-Florida State University (FSU) College of Engineering invites applications from highly qualified individuals for a tenured or tenure track faculty position in chemical engineering, in the city of Tallahassee, Florida. We are seeking faculty candidates for an assistant professor position, however, exceptional candidates at higher ranks will be considered.
- **University of Massachusetts-Amherst**  
**Position:** [Assistant Professor – Tenure Track](#)  
**Brief description:** The Department of Chemical Engineering at the University of Massachusetts-Amherst invites applications for a tenure-track faculty position at the assistant professor level. The applicant's research can be in any area of chemical engineering.
- **New York University**
  - **Position:** [Contract Faculty in Biology \(Open Rank\)](#)  
**Brief description:** The Department of Chemical and Biomolecular Engineering at the NYU Tandon School of Engineering invites applications for a full-time, non-tenured, renewable faculty position in Biology, at the level of Industry Assistant Professor or Industry Associate Professor, with a start date of January 2022 or September 2022.
  - **Position:** [Industry Assistant Professor](#)  
**Brief description:** The Department of Chemical and Biomolecular Engineering at the NYU Tandon School of Engineering invites applications for a full-time, non-tenured, renewable faculty position in Molecular Biology and Genetics, at the level of Industry Assistant Professor or Industry Associate Professor, with a start date of January 2022 or September 2022.
- **University of Maryland, College Park**  
**Position:** [Assistant/Associate/Professor](#)  
**Position #:** 123369  
**Brief description:** The Department of Chemical and Biomolecular Engineering at the University of Maryland, College Park ([www.chbe.umd.edu](http://www.chbe.umd.edu)) invites applications for candidates to apply for full-time tenure-track and tenured faculty position(s) The hires will conduct research, teach and mentor students, and work with others in a spirit of collaboration to enhance the impact of the department. This will include strong scholarship, innovative teaching of both graduate and undergraduate students, participation in faculty governance and institution-building, service to the broader scientific community, and forming partnerships within the department, school, university and/or with industrial, governmental, or community partners. Senior hires are expected to have demonstrated leadership and should plan to have impact in new areas. Priority will be given to candidates with expertise in one or more of the following areas: Anthropogenic pollutants in air and water, Catalysis, Energy Storage, Advanced materials discovery, Integration of high-throughput methods with machine learning and artificial intelligence. Exceptional candidates with expertise outside these areas are also welcome to apply.
- **University of Georgia**  
**Position:** [Lecturer](#)  
**Posting #:** F0988P  
**Brief description:** The lecturer will be responsible for teaching required core courses in the biological engineering and biochemical engineering undergraduate programs, including the upper-level biochemical engineering lab courses. The laboratory courses are designed to expose students to the most modern experimental equipment that provides hands-on experiences for the theories they have learned in their core courses.
- **University of Florida**  
**Position:** [Assistant, Associate, or Full Professor – Chemical Engineering](#)  
**Job Req. #:** 82294  
**Brief description:** The Department of Chemical Engineering and The Herbert Wertheim College of Engineering at the University of Florida (UF) invites applications for multiple, nine-month tenure/tenure track faculty positions at the rank of Assistant/Associate/Full Professor in the Department of Chemical Engineering (ChE). We are seeking highly qualified candidates who can complement our dynamic, interdisciplinary faculty. Candidates must have a doctoral degree in Chemical Engineering or a related discipline, as well as a distinguished academic and research record.
- **U.S. Army CCDC Chemical Biological Center (CCDC CBC)**  
**Position:** [NRC Post-doctoral Position](#)  
**Location:** Aberdeen Proving Ground in Harford County, MD  
**Brief description:** We are seeking a candidate to work within the DEVCOM-CBC's 20,000 square foot pilot-scale fermentation facility. DOD is realizing a surge in programs that are metabolically engineering yeast and bacteria to produce chemicals with unique properties. These are being developed into materials to support a wide variety of projects. Each requires scale up to 1500 liters, downstream processing, and characterization at labs located across the Edgewood campus.

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