

NEWS OF THE WEEK

JANUARY 18, 2022

CBE IN THE NEWS

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

DEPARTMENT'S SEMINAR/EVENTS:

- **Center for Neutron Science Seminar**
Dr. Safa Jamali, Northeastern University
Wednesday, January 19, 2022
2:00 – 3:00 PM in 366 Colburn Lab
or via Zoom: <https://udel.zoom.us/j/98884992785>
“Rheology-Informed Neural Networks (RhINNs) for complex fluid modeling”

OTHER DEPARTMENT'S SEMINAR/EVENTS

- **Chemistry & Biochemistry Seminar**
Dr. Joseph Gair, Harvard University
January 24, 2022 at 10:00 AM
Via Zoom: <https://udel.zoom.us/j/94085517805>
Password: chemistry
[Medicinal Chemistry: Principles, Strategies and Case Studies in Medicinal Chemistry and Drug Discovery](#)
- **Gordon Research Seminars**
August 6–7, 2022 at Colby Sawyer College in New London, NH
[Azetidine Opening by Enantioselective Anion Delivery: Charge Recognition for Generality in Asymmetric Catalysis](#)

JOBS/RECRUITING

- **2022 Innovation Seed Grant**
Title: 2022 Innovation Seed Grant Competition
Award: up to \$4000 in lab/tool access at the UPenn Singh Center for Nanotechnology
Application: <https://www.nano.upenn.edu/2022-innovation-seed-grant-competition/>
Eligibility: Academic Research Groups (External to UPenn) and local Startups
Deadline: FEBRUARY 1, 2022
Brief description: The 2022 Innovation Seed Grant Competition invites the region's brightest minds to design or prototype innovative technology through the use of nanotechnology-related tools and equipment at the Singh Center for Nanotechnology. This grant is funded by the NSF National Nanotechnology Coordinated Infrastructure Program under grant NNCI-2025608 to encourage and facilitate external engagement and to promote innovation within the Mid-Atlantic region.
- **Vortex Fellows**
 - **Vortex Fellows**
More Information: [Vertex Fellows Program](#)
Application deadline: January 14, 2022
Brief description: The Vertex Fellows program is a unique, one-year opportunity for outstanding early career scientists and physicians to join Vertex project teams and help advance real drug discovery programs. In addition to hands-on experience, Fellows receive training on the drug discovery process, mentorship from senior leaders and exposure to many different business areas. The program is designed to augment, rather than replace, a traditional postdoctoral, residency or business school experience. David Altshuler, Executive Vice President, Global Research and Chief Scientific Officer, directs the program in collaboration with many leaders across the company.
 - **NRC Postdoc Fellowships in the NIST Polymers Processing Group**
Group Background: Our polymers processing group tackles scientific and measurement challenges in flexible & printed electronics, additive manufacturing (3D printing), rheology, self-assembled materials, and nanoscale structure measurement. We have a diverse array of soft materials structure measurement tools and computational resources. Our group is also a heavy user of synchrotron and neutron facilities. We have a special project focused on resonant soft X-ray scattering. Multiple advisors are available to match different interests. Alums of our group have found permanent follow-on employment as university PIs, industry researchers, and permanent staff at government labs (NIST, and others).
 - [Our RSoXS Program](#)
 - [Flexible and Printed Electronics](#)
 - [Nanolithography](#)
 - [Polymers Manufacturing and Rheology](#)
- **Corning**
Corning is one of the world's leading innovators in materials science. For more than 160 years, Corning has applied its unparalleled expertise in specialty glass, ceramics, and optical physics to develop products that have created new industries and transformed people's lives. Various positions now available:
 - **Position:** [Research Scientist – Chemistry](#)
Req. #: 49608
 - **Position:** [Research Scientist-Injection Molding](#)
Req. #: 50722
 - **Position:** [Sr Research Technician-Chemistry](#)
Req. #: 50742
 - **Position:** [Sr Research Technician](#)
Req. #: 51542
- **University of Iowa**
 - **Position:** [ASSISTANT OR ASSOCIATE PROFESSOR](#)
Req. #: 74355
Brief description: The Department of Pharmaceutical Sciences & Experimental Therapeutics invites applications for twelve-month, tenure track Assistant/Associate Professor faculty positions to join the Pharmaceutics program. Applicants should have a Ph.D. in Pharmaceutics, Engineering Sciences, Materials Science, Chemistry, Physical Chemistry or a related discipline. Relevant postdoctoral experience, previous training or work experience is sought for applicants applying at the Assistant Professor level. A successful candidate is expected to contribute to the professional, graduate and undergraduate teaching programs, to mentor graduate students and post-doctoral scholars, and to establish or have established an externally funded, nationally-recognized research program through securing external research funding and demonstrating an exceptional record of published scholarship.
 - **Position:** [ASSOCIATE PROFESSOR OR PROFESSOR](#)
Req. #: 74293
Brief description: The University of Iowa Department of Pharmaceutical Sciences and Experimental Therapeutics in the College of Pharmacy and the Holden Comprehensive Cancer Center (HCCC), an NCI designated comprehensive cancer center, invite applications for a tenure track Associate or Full Professor with research interests in Cancer Drug Discovery and Development, to join the Department and the Experimental Therapeutics Program of the HCCC. The selected candidate will receive a primary appointment in the Department of Pharmaceutical Sciences and Experimental Therapeutics, with opportunities for secondary appointments in other departments and programs. Outstanding eligible candidates will have the opportunity to be considered for the Jean M. Schmidt Chair in Drug Discovery for this position.

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