

NEWS OF THE WEEK

JANUARY 31, 2022

CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)
- [Model town shows real-life COVID spread](#)
- [Dynamic catalysis](#)

DEPARTMENT'S SEMINAR/EVENTS:

- **CCST Seminars**
 - **Eranda Nikolla, Wayne State University**
Friday, April 15, 2022 at 10:00 AM in [102 CLB](#) (limited seating)
or via Zoom: <https://udel.zoom.us/j/94825826648>
“[Embracing the Complexity of Heterogeneous Catalytic Structures: Non-Stoichiometric Mixed Metal Oxides and 3-Dimensionally Engineered Metal Catalysts for Energy and Chemical Conversion](#)”

OTHER DEPARTMENT'S SEMINAR/EVENTS

- **UMS Media Services**
[Classroom Technology Open House](#)
Monday, January 31, 2022 at 9:00 AM – 4:00 PM
- **Biological Sciences Seminar**
Jaesung You, University of Illinois at Urbana-Champaign
Tuesday, February 1, 2022 at 1:30 PM
via Zoom: <https://udel.zoom.us/j/92453101247>
“[Understanding the physiological and molecular regulation of skeletal muscle mass and function](#)”
- **Chemistry & Biochemistry Seminar**
 - **Michael Taylor, University of Wyoming**
February 1, 2022 at 11:00 AM
via Zoom: <https://udel.zoom.us/j/94085517805>
Password: chemistry
“[Cationic-Aromatic Scaffolds for the Selective Chemical Manipulation of Biological Matter](#)”
 - **Daria Kim, Massachusetts Institute of Technology**
February 4, 2022 at 11:00 AM
via Zoom: <https://udel.zoom.us/j/94085517805>
Password: chemistry
“[Investigating Selectivity in Complex Systems: from Total Synthesis to Glycan Labeling](#)”
 - **Jiahui (Chris) Wu, Cornell University**
February 7, 2022 at 10:00 AM
via Zoom: <https://udel.zoom.us/j/94085517805>
Password: chemistry
“[RNA-based technologies towards understanding and controlling the cell](#)”
- **DESCA Webinars**
 - **Entrepreneurs' Journeys (HX Technologies, TheraV, Gaskiya, and ThruPore)**
Thursday, March 17, 2022 at 12:00 PM
[REGISTRATION](#) required
Join us for a free live webinar to learn from entrepreneurs about how they have overcome the expected and unexpected obstacles they faced in turning their ideas into successful companies.
- **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.
- **NRC Postdoc Fellowships in the NIST Polymers Processing Group**
 - Open to US citizens only – base salary \$72,750, 2-years guaranteed
 - A NIST webpage on the NRC program
 - Details of NRC Associateship Programs at NIST
 - The NRC fellowship can be a first or second postdoc. Eligibility criterion is 5 years out from Ph.D.
 - Competition deadline August 1st and February 1st every year. Requires written proposal. It usually takes ~ 3-4 weeks to put together a competitive application
 - Plan ahead: Awards from the August 1st competition are announced starting in October, with start dates anytime between January and June of the following calendar year. Awards from the February 1st competition are announced starting in April, with start dates anytime between July and December of the same calendar year

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](#)

Begin the Process: Those interested should begin by contacting Prof. LaShanda Korley (lkorley@udel.edu)

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