

### NEWS OF THE WEEK

JANUARY 24, 2022

#### CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)
- [Creating value from waste](#)
- Congratulations to Professor **LaShanda Korley** for being selected as a **2022 PMSE Fellow** for outstanding contributions to bio-inspired materials design and manufacturing
- Congratulations to **Melissa Gordan** for being awarded an **NSF Career Award**

#### DEPARTMENT'S SEMINAR/EVENTS:

- **CCST Seminars**
  - **Dongxia Liu, University of Maryland College Park**  
Tuesday, January 25, 2022 at 10:00 AM in 366 CLB and via Zoom: <https://udel.zoom.us/j/99879760742>  
“[Membrane Reactor: Coupling Catalytic Reaction and Separation for Dehydrogenation of Light Alkanes](#)”
  - **Dohyung Kim, Stanford University**  
Thursday, January 27, 2022 at 10:00 AM in 366 CLB and via Zoom: <https://udel.zoom.us/j/97753511040>  
“[Beyond Surface Facilitates Electrocatalytic Reactions of Renewable Carbons](#)”
  - **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

- **Biological Sciences Seminar**  
Joohyun (Jason) Lim, Ph.D., Baylor College of Medicine  
Tuesday, January 25, 2022 at 1:30 PM  
via Zoom: <https://udel.zoom.us/j/97836240240>  
[Mechanisms of tendon maturation and pathogenesis](#)
- **Chemistry & Biochemistry Seminar**
  - **Kyle Biegasiewicz, Arizona State University**  
January 27, 2022 at 10:00 AM  
via Zoom: <https://udel.zoom.us/j/94085517805>  
Password: chemistry  
“[Chemical and Enzymatic Strategies for Complex Molecule Synthesis](#)”
  - **Mary Andorfer, MIT**  
January 28, 2022 at 10:00 AM  
via Zoom: <https://udel.zoom.us/j/94085517805>  
Password: Chemistry  
“[Using Enzymes for Selective C–Cl and C–C Bond Forming Reaction](#)”
- **DESCA Webinars**
  - **Entrepreneurs' Journeys (Lectrolyst and Elyte Energy)**  
Thursday, January 27, 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.
  - **Women Entrepreneurs' Journeys (HX Technologies, TheraV, Gaskiya, and ThruPore)**  
Thursday, March 17, 2022 at 12:00 PM  
[REGISTRATION](#) required  
Starting a company is always difficult. Starting a company as a woman is even more difficult. Please join us for a free live webinar with an all-woman panel to discuss the challenges women entrepreneurs in the chemtech space face and the solutions they came up with to solve them.
- **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](mailto:lkorley@udel.edu))

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