

## NEWS OF THE WEEK

JULY 11, 2022

### CBE IN THE NEWS

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

### DEPARTMENT'S SEMINAR/EVENTS:

#### • CBE Events

- **Summer Moo Mobile Parties 12:00-3:00 PM**

Outside Colburn Lab - next to facilities

(\*Only 100 tickets available - 1st come, 1st served)

#### ➤ Friday, Jul. 15

Ticket Pick-up available on Jul. 15 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB

#### ➤ Friday, Aug. 5

Ticket Pick-up available on Aug. 4 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB

#### ➤ Friday, Aug. 19

Ticket Pick-up available on Aug. 18 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB

#### ➤ Friday, Sep. 2

Ticket Pick-up available on Sep. 1 from 8 AM-4:30 PM & Jun. 10 from 8 AM-2 PM in 237 CLB

#### • CNS Events

Dr. Andrea Scotti, RWTH Aachen University

Friday, July 29, 2022 at 10:00 AM in 366 CLB

and via Zoom: <https://udel.zoom.us/j/98051682130>

Password: Neutron\$

["Phase Behavior and Structure of Super Soft Spheres in Two and Three Dimensions"](#)

### OTHER DEPARTMENT'S SEMINAR/EVENTS:

#### • Department of Biological Sciences

**Dr. Jian Sun, Center for Cancer Research, National Cancer Institute**

Friday, July 15, 2022 at 11:00 AM in 318 WLF

and via Zoom: <https://udel.zoom.us/j/96419201299>

["Male infertility-associated Ccdc108 regulates multiciliogenesis via the intraflagellar transport machinery"](#)

#### • Civil & Environmental Engineering

- **Dr. Aritra Banerjee, South Dakota State University**

Monday, July 11, 2022 at 1:30 PM in 207 ISE

["Effects of Climate Change and Sea-level Rise on Civil Infrastructure in the Coastal Environment"](#)

- **Dr. Nina Stark, Virginia Tech**

Thursday, July 14, 2022 at 1:30 PM in 207 ISE

["Geotechnical Engineering in Riverine and Coastal Environments"](#)

### JOBS/RECRUITING

#### • NIST Polymers Processing Group

- Open to US citizens only.
- Base salary \$ \$74,950, relocation at start, yearly travel allotment \$3k minimum. Duration 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
- If you're interested, the first step is to email [Dean M. DeLongchamp](mailto:Dean M. DeLongchamp)

#### **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: <https://www.nist.gov/programs-projects/resonant-soft-x-ray-scattering-rsoxs>
- Flexible and Printed Electronics: <https://www.nist.gov/programs-projects/flexible-and-printed-electronics>
- Nanolithography: <https://www.nist.gov/programs-projects/metrology-nanolithography>
- Polymers Manufacturing and Rheology: <https://www.nist.gov/programs-projects/polymers-manufacturing-and-rheology>

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