



Announcements

Please join us for the 2021 CMBE Awards Symposium!
January 22, 2021 at 12:00 PM EST - 4:00 PM EST

The Cellular and Molecular Bioengineering Special Interest Group recognizes prominent senior leaders who have helped define the field through excellence in research, service, and leadership, as well as promising junior principal investigators who are expanding the field in new and exciting directions.

[CLICK HERE TO REGISTER NOW](#)

Jobs & Internships



Paid Internship: Flagship Pioneering 2021 Fellows Program

Length: 12 weeks

Where: Flagship's offices in Cambridge(Kendall Square, MA)

Description:

Flagship is an institution dedicated to life science innovation, having created and built 100+ companies over the past 18 years, including the notable Moderna Therapeutics, Indigo Agriculture and Seres Therapeutics.

The fellowship is designed to be a unique opportunity to be exposed to Flagship's unique approach to basic science, innovation, and venture creation and learn from their talented team to apply this approach first-hand.

Useful links: Job description [here](#) and the [application is available at this link](#).



Paid Internship: Summer Stem Institute(SSI)

Length: 6 weeks

Where: Virtual

Description:

Role 1: Part-Time Research Mentor (10-15 hours/week):

- **Responsibilities:** Lead a virtual lab of 2-3 students; mentor students through the ideation and completion of their own computational or theoretical research projects; support students through the creation of weekly research deliverables, including a background research report, a research proposal, and a final paper and presentation
- **Qualifications:** Passion for teaching and mentorship; graduate student, postdoctoral fellow, or (in exceptional circumstances) undergraduate with extensive programming or research experience in a computational or theoretical field; past research experiences and deliverables, including published papers and presentations
- Note: Research mentors are able to work for the program alongside full-time job, internship, or research commitments.

Role 2: Full-Time Teaching Fellow (40 hours/week):

- **Responsibilities:** Teach and work closely to support students through the data science and research bootcamp, answer student questions and

discussion board posts; host office hours; leave feedback on student homework assignments

- **Qualifications:** Passion for teaching and mentorship; experience with Python programming and data science libraries (numpy, pandas, matplotlib, sklearn); experience with data science and the research process

Useful links: [2-minute interest form](#). If they decide to move forward with your application, they will send more information about the roles and also times to schedule an interview.

Please direct questions to [hiring@summersteminstitute.org](mailto: hiring@summersteminstitute.org).

BME Tutors Needed for Duke Athletics – \$14/hr

Tutors are needed for several student-athletes in BME 244 and BME 307. Candidates should demonstrate a high level of integrity as well as a high level of competency in the subject area. Duke Athletics compensates graduate tutors \$14.00/hr. This would be a commitment of a couple of hours a week and tutors can make their own schedules based on their availability.

If anyone is interested, please contact: [julie.vandiver@duke.edu](mailto: julie.vandiver@duke.edu)

Fellowships

2021 L'Oréal USA For Women in Science program — APPLICATION OPEN & CLOSE: Friday, January 29, 2021

Eligibility: Post-docs

Description:

L'Oréal is seeking five exceptional female scientists looking to advance their research and serve as role models for the next generation of girls in STEM.

Candidates are selected from a variety of fields including the life and physical/material sciences, technology (including computer science),

engineering, and mathematics. Candidates must have completed their PhD and have started in their postdoctoral position by the application deadline.

Useful Links: The application and more information about the L'Oréal USA For Women in Science program can be found at <https://www.loreal.com/en/usa/pages/group/fwis/>.

Contact: Please direct questions to forwomeninscience@us.loreal.com.

Upcoming Workshops & Panels



GRaPE 2021
Graduate Research and Policy Expo

Register at bit.ly/3s8UQnA

Register by February 14th!

When: April 8th, 2021 1-5 pm

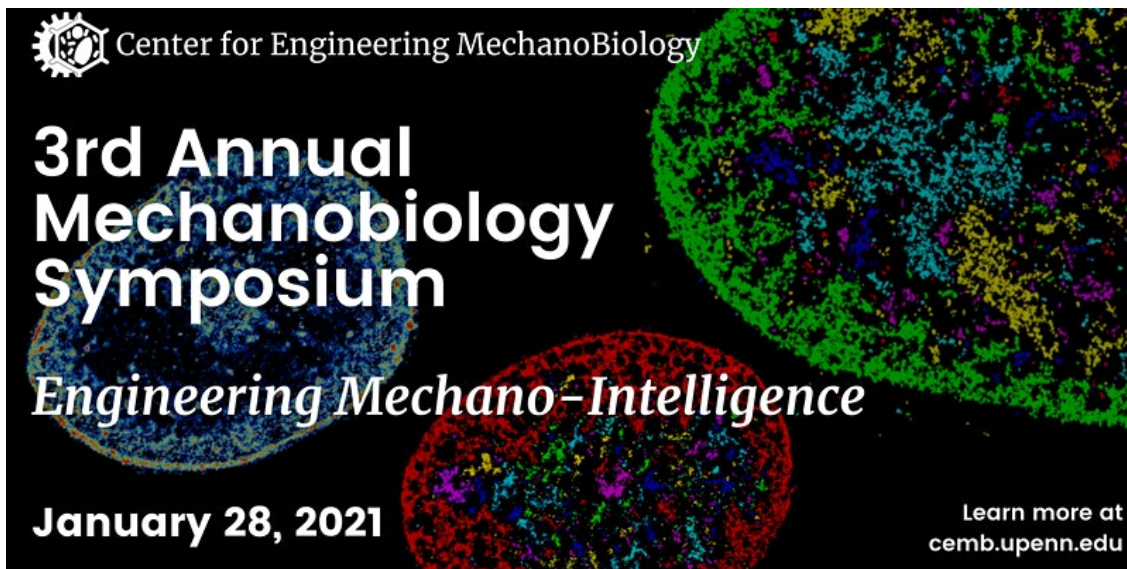
What: GRaPE is a half-day, virtual research conference giving scholars from any North Carolina university an opportunity to present their research and its importance in policy-making to peers and decision-makers, including legislators and university administrators. Make your work heard!

Why: GRaPE will include a keynote speaker, panel with policy-makers, and awards for best student presentations.

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Graduate Research and Policy Expo (GRaPE) is a completely **virtual (and free!)** research conference for graduate students of North Carolina. Any NC graduate student can register by February 14th, 2021 at this link and find [more information, including the call for abstracts, here.](#)



This one-day virtual symposium is organized by the [Center for Engineering MechanoBiology \(CEMB\)](#) with support from the National Science Foundation. Abstracts are currently being accepted for the poster session. If you are interested in presenting a poster, please submit a title and abstract (250 word limit) with your registration.

For details and registration visit: <https://www.eventbrite.com/e/3rd-annual-mechanobiology-symposium-registration-131523080073>




Duke Career Center Upcoming Events – January, 21 to March 7

The Duke Career center will have assorted events including:

- [Drop-In Career Advising](#) (beginning on Jan 21),
- Practice Interview Events ([Behavioral](#) & [Technical](#)) (Feb 10-19),
- [Career Exploration and Job Search Group for International Students](#) (Mondays, 3pm – 4:15pm EST, February 15, 2021 – March 5, 2021),
- [Career Exploration and Job Search Group for First Generation/Low-Income Students](#) (Wednesdays, 3pm – 4pm EST, February 17, 2021 – March 7, 2021).

Visit the associated links to sign up!

Seminars

UNC ESHELMAN SCHOOL OF PHARMACY Advancing Medicine for Life		Rising Stars in Drug Delivery and Novel Carriers 2021 Spring Webinar Series – the 4 th Monday of the Month The Division of Pharmacoengineering and Molecular Pharmaceutics			
Jan. 25 – 1pm EST	Feb. 22 – 1pm EST	Mar. 22 – 1pm EST	Apr. 26 – 1pm EST	May 24 – 1pm EST	June 28 – 1pm EST
Dr. Ashley Brown NC State University  Modulating clot dynamics with fibrin-targeting nanogels	Dr. Devika Manickam Duquesne University  Exploring passive targeting to the BBB as a novel delivery paradigm using engineered extracellular vesicle	Dr. Jacob Brenner Univ Pennsylvania  Nano in the Time of Corona: Nanocarriers to Treat ARDS	Dr. Eun Ji Chung Univ. Southern California  TBA	Dr. Mingnan Chen University of Utah  Re-Seasoning Immunity through Protein Engineering	Dr. Kevin McHugh Rice University  Rational Engineering of Biodegradable Drug Delivery Systems
Dr. Ryan Pearson Univ of Maryland  Advanced nanoparticle engineering to treat severe inflammation	Dr. Raman Bahal Univ of Conn  Therapeutic targeting of RNAs for the development of precision medicine	Dr. Jennifer Fiegel University of Iowa  TBA	Dr. Nathan Crook NC State University  Delivery of biomolecules to the mammalian gut using engineered probiotic <i>Saccharomyces boulardii</i> .	Dr. Erika Moore Univ of Florida  TBA	Dr. Ronit Freeman Univ North Carolina  Engineering Bioinspired Supramolecular Materials
Hosts: Dr. Juliane Nguyen, Dr. Aaron Anselmo & Dr. Kristy Ainslie			Register here: https://bit.ly/2VH16UC		

You can register here for the entire webinar series: <https://bit.ly/2VH16UC>. Each session hosts two speakers, who each have a 30 minute talk and questions. The focus of the talks are on contemporary approaches to drug delivery, immunoengineering, gene therapy, or pharmaceutics.

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