

### NEWS OF THE WEEK

SEPTEMBER 7, 2021

#### CBE IN THE NEWS

- [Updates regarding the COVID-19 vaccine](#)
- [Congratulations to Professor Aditya Kunjapur for being selected for the 2021 Langer Prize from AIChE](#)
- [The hunt for new medicines](#)
- Congratulations to Ishika Govil for receiving an [SWE Scholarship](#)

#### DEPARTMENT'S SEMINAR/EVENTS:

- CBE Seminar Series
  - Dr. Huimin Zhao, University of Illinois at Urbana-Champaign  
Friday, September 17, 2021 @ 10:00 AM in 102 CLB  
[Synthetic Biology: Putting Synthesis into Biology](#)
  - Dr. Stacey Finley, University of Southern California  
Friday, September 24, 2021 @ 10:00 AM in 102 CLB  
[Mechanistic Modeling of Immune Cell Activation in Cancer](#)
- CHEG Moo Mobile
  - Thursday, September 16, 2021 from 12-2 PM, next to Colburn Lab & UD Facilities  
Ticket pick-ups available in 237 CLB on:  
September 15 from 11:00 AM – 1:00 PM  
September 16 from 11:00 AM – 1:00 PM

#### OTHER DEPARTMENT'S SEMINAR/EVENTS:

- Particle Physics Seminar
  - Balasubramanian Ananthanarayan, Indian Institute of Science in Bangalore  
Tuesday, September 7, 2021 at 12:00 PM via Zoom: <https://udel.zoom.us/j/91367082660>  
“(g-2) of the Muon: Theory and Experiment Challenge One Another”
- Mathematical Sciences Department Seminars
  - Sayas Numerics Seminar  
Tuesday, September 7, 2021 at 3:30 PM  
Sören Bartels, University of Freiburg  
Title: “Nonconforming and Discontinuous Methods in the Numerical Approximation of Nonsmooth Variational Problems”[Register Here](#)
  - Hallenbeck Graduate Student Seminar (GHSS)  
Wednesday, September 8, 2021 at 12:00 PM  
Mary Gockenbach, University of Delaware  
Title: Extensional Flow of Nematic Liquid Crystal
  - Numerical Analysis and PDE  
Friday, September 10, 2021 at 11:00 AM  
Yang Yang, Michigan Tech University  
Title: A reinterpreted discrete fracture model for fracture and barrier networks
  - Applied Mathematics and Mathematical Medicine and Biology Seminar (AMMMB)  
Friday, September 10, 2021 at 1:10 PM  
Richard Braun, University of Delaware  
via Zoom: <https://udel.zoom.us/j/98758622578>  
Title: Fitting Models of Tear Film Thinning to Fluorescence Data: Models and Algorithms
  - Teaching Seminar  
Friday, September 10, 2021 at 2:30 PM  
Calvin Hotchkiss, University of Delaware  
Title: Oral Exams, and Other Online Experiments

#### FUTURE LEADERS IN CHEMICAL ENGINEERING

- Future Leaders in Chemical Engineering–NC State Engineering  
October 24-25, 2021  
Future Leaders in Chemical Engineering is a one and one-half day, all-expense paid research symposium at NC State University recognizing the top undergraduate researchers in chemical engineering in the United States. Chemical engineering researchers (and those in related fields) who are within one year of graduating are [eligible to apply](#).

#### JOBS/RECRUITING:

- University of South Florida
  - Position: [Assistant Professor – Chemical, Biological, & Materials Engineering](#)  
Job ID: 26853  
Brief description: The Department of Chemical, Biological, and Materials Engineering at the University of South Florida invites applications for tenure-track Assistant Professor faculty positions, expected to commence August 2021 or thereafter. Candidates for tenure-track Assistant Professor positions should have: (1) a demonstrated excellence in scholarly research and publications, (2) a demonstrated record of or potential for sustaining an externally funded research program, and (3) a strong commitment to and potential for teaching and mentoring undergraduate and graduate students. Applications from all areas of chemical engineering and its related fields are welcome. Applicants working in the fields of bioengineering and/or biotechnology, energy and sustainability, catalysis and reaction engineering, computational modeling and simulation, advanced materials, and separations are particularly encouraged to apply.
  - Position: [Associate Professor – Chemical, Biological, & Materials Engineering](#)  
Job ID: 26854  
Brief description: The Department of Chemical, Biological, and Materials Engineering at the University of South Florida invites applications for tenure/tenure-track Associate Professor faculty positions, expected to commence August 2021 or thereafter. Exceptional applicants for the rank of Associate Professor must have a strong record of externally funded research, outstanding scholarly work and publications, demonstrated excellence in teaching, and national and/or international recognition for their work. Applications from all areas of chemical engineering and its related fields are welcome. Applicants working in the fields of bioengineering and/or biotechnology, energy and sustainability, catalysis and reaction engineering, computational modeling and simulation, advanced materials, and separations are particularly encouraged to apply.
  - Position: [Associate Professor – Chemical, Biological, & Materials Engineering](#)  
Job ID: 26855  
Brief description: The Department of Chemical, Biological, and Materials Engineering at the University of South Florida invites applications for tenure Professor faculty positions, expected to commence August 2021 or thereafter. Exceptional applicants for the rank of Professor must have a strong record of externally funded research, outstanding scholarly work and publications, demonstrated excellence in teaching, and national and/or international recognition for their work. Applications from all areas of chemical engineering and its related fields are welcome. Applicants working in the fields of bioengineering and/or biotechnology, energy and sustainability, catalysis and reaction engineering, computational modeling and simulation, advanced materials, and separations are particularly encouraged to apply.
- Rice University
  - Position: [Assistant Professor](#)  
Brief description: Rice University seeks a faculty member in the Bioengineering department at the assistant professor level, starting as early as July 1, 2022, in the area of synthetic biology. Successful candidates will lead a dynamic, innovative, and independent research program supported by external funding, and they will excel in teaching at the graduate and undergraduate levels, while embracing and contributing to Rice’s culture of diversity and inclusive excellence.
  - Position: [Assistant Professor](#)  
Brief description: Rice University seeks a faculty member in the BioSciences department at the assistant professor level, starting as early as July 1, 2022, in the area of synthetic biology. Successful candidates will lead a dynamic, innovative, and independent research program supported by external funding, and they will excel in teaching at the graduate and undergraduate levels, while embracing and contributing to Rice’s culture of diversity and inclusive excellence.
- North Carolina State University
  - Position: [Assistant/Associate/Professor – Chemical and Biomolecular Engineering](#)  
Posting #: PG191137EP  
Brief description: The Department of Chemical and Biomolecular Engineering at North Carolina State University seeks highly qualified candidates to fill multiple tenure-track and/or tenured faculty positions. Applicants should hold a Ph.D. or equivalent in chemical engineering or a closely related field with research interests that complement departmental strengths in energy and sustainability, catalysis and reaction engineering, modeling and simulation, and advanced materials. Successful candidates are expected to establish dynamic chemical engineering research programs of international reputation, teach undergraduate and graduate chemical engineering courses, and perform internal and professional service at a level commensurate with rank. The search committee will give high priority to the overall originality and promise of a candidate’s work.
  - Position: [Director of Communications and Marketing](#)  
Posting #: PG191381SP  
Brief description: The Director of Communications and Marketing is responsible for managing public relations, marketing, and communications initiatives for the department for the purposes of:
    1. Building and maintaining a department community of faculty, staff, and students where we celebrate all of our successes
    2. Engaging our alumni and regional and national industrial supporters with the goal of increasing giving and raising departmental endowments
    3. Reaching out to the broader community to attract diverse faculty, graduate students, and undergraduates to our department
    4. Raising the visibility and recognition of our department in the nation.
- University of California, Riverside
  - Position: [Open Rank Faculty position in Chemical and Environmental Engineering](#)  
Job #: JPF01456  
Brief description: The Department of Chemical and Environmental Engineering at the University of California, Riverside invites applications for one or more tenured or tenure-track faculty positions. Applicants should have met the requirements for a Ph.D. in Chemical Engineering or a related field, by the time of appointment. Although all areas of research will be considered, we are particularly interested in applicants with research interests in: Advanced materials and Nanotechnology; Energy conversion and storage; Biotechnology and Biomolecular engineering; Computation and Molecular modeling.
  - Position: [Postdoctoral Researcher in Biosensors](#)  
Brief description: The Department of Chemical and Environmental Engineering at the University of California, Riverside seeks applications for a Postdoctoral Researcher in the Bionanotechnology and Biosensors Research Lab of Prof. Ashok Mulchandani at 100%. The position is available immediately. The focus of this project will be to develop paper microfluidics integrated carbon nanotubes field-effect transistor-based biosensors system/platform for low-cost, point-of-use detection in healthcare, forensics, food safety, etc. Highly motivated individuals with a PhD in bioengineering, chemical engineering, analytical chemistry, materials science or a related field with experience in biosensors development are encouraged to apply.
- University of Wisconsin-Madison
  - Position: [ASSISTANT PROFESSOR](#)  
Job #: 239923-FA  
Brief description: The Department of Chemical and Biological Engineering seeks faculty candidates to enhance present departmental strengths in research and teaching. The successful candidate will be expected to develop a world-class research program, to provide undergraduate and graduate instruction in areas of technical competence, and to engage in public service as appropriate.
- Lignolix Inc.
  - Position: [ASSISTANT PROFESSOR](#)  
Job #: 239923-FA  
Brief description: The Department of Chemical and Biological Engineering seeks faculty candidates to enhance present departmental strengths in research and teaching. The successful candidate will be expected to develop a world-class research program, to provide undergraduate and graduate instruction in areas of technical competence, and to engage in public service as appropriate.

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