

BE 167, RESEARCH TOPICS IN BIOENGINEERING
FACULTY RESEARCH REVIEWS FOR GRAD STUDENTS

Fall Term
(10/01/19 - 12/06/19)

Tuesdays, 3:00 pm, in 300 Broad Center

- 10/01** 3:00 – 3:25: **William A. Goddard**, Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics
Ch 120a/Ch121a, Simulations on GPCR-GProtein-beta arrestin systems
<http://aph.caltech.edu/people/wag>
- 3:30 – 3:55: **Rustem Ismagilov**, Ethel Wilson Bowles and Robert Bowles Professor of Chemistry and Chemical Engineering
ChE/BE 112, Design, Invention, and Fundamentals of Microfluidic Systems
<http://ismagilovlab.caltech.edu/>
- 10/08** 3:00 – 3:25: **Mikhail Shapiro**, Professor of Chemical Engineering
ChE 103b, Transport Phenomena
ChE/BE/MedE 188, Molecular Imaging
<http://shapirolab.caltech.edu/>
- 3:30 – 3:55: **Paul Sternberg**, Bren Professor of Biology
Bi/BMB 251 abc, Current Research in Cellular and Molecular Biology
Bi 253, Reading, Writing, Reviewing, Experimental Design and Reproducibility
<http://wormlab.caltech.edu/>
- 10/15** 3:00 – 3:55: **Carlos Lois**, Research Professor
<http://theloislab.squarespace.com/>
- 10/22** 3:00 – 3:55: **Niles Pierce**, Professor of Applied & Computational Mathematics, and Bioengineering
ChE /BE 163, Introduction to Biomolecular Engineering
<http://piercelab.caltech.edu/>
- 10/29** 3:00 – 3:55: **Henry Lester**, Professor of Biology
Bi/CNS/NB/Psy 150, Introduction to Neuroscience
Bi/NB/BE 155 Neuropharmacology
<http://henrylesterresearchgroup.caltech.edu/>
- 11/05** 3:00 – 3:25: **David Van Valen**, Assistant Professor of Biology and Biological Engineering

Bi/BE 115, Programmable Viruses and Applications to Biological Systems
<http://www.bbe.caltech.edu/people/david-van-valen>

- 11/12** 3:00 – 3:25: **Matt Thomson**, Assistant Professor of Computational Biology
Bi/BE/CS 183, Introduction to Computational Biology and Bioinformatics
<http://www.bbe.caltech.edu/people/matt-thomson>
- 3:30 – 3:55: **Michael Roukes**, Frank J. Roshek Professor of Physics,
Applied Physics, and Bioengineering
Ph/APh/EE/BE 118 abc, Physics of Measurement
<http://nano.caltech.edu/>
- 11/19** 3:00 – 3:25: **Elliot Meyerowitz**, George W. Beadle Professor of Biology
Bi 252, Responsible Conduct of Research
<http://www.its.caltech.edu/~plantlab/>
- 3:30 – 3:55: **Marcus Meister**, Anne P. and Benjamin F. Biaggini
Professor of Biological Sciences
Bi/CNS/NB 154, Principles of Neuroscience
Bi/CNS/NB 164, Tools of Neurobiology
Bi/CNS/NB 195, Mathematics in Biology
<http://www.bbe.caltech.edu/people/markus-meister>
- 11/26** 3:00 – 3:55: **Kaihang Wang**, Assistant Professor of Biology and
Biological Engineering
BE 201, Reading the Biological Literature
<http://www.bbe.caltech.edu/people/kaihang-wang>
- 12/03** 3:00 – 3:25: **Paul Rothemund**, Research Professor of Bioengineering,
Computing and Mathematical Sciences,
and Computation and Neural Systems
<http://www.dna.caltech.edu/~pwkr/>
- 3:30 – 3:55: **Long Cai**, Professor of Biology and Biological Engineering
<http://singlecell.caltech.edu/cailab/>

Winter Recess 12/14/19 – 01/05/20