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://henryletcherresearchgroup.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