

Biology

Session **A**

Room: 125 Baxter

1:00 - 1:20 PM	Alyssa H. Shin <i>Mr. and Mrs. Robert C. Loschke SURF Fellow</i>	A principled approach to mouse motor behavior analysis in Parkinson's disease models	Sarkis K. Mazmanian <i>Luis B. and Nelly Soux Professor of Microbiology; Merkin Institute Professor</i> Justin S. Bois <i>Teaching Professor of Biology and Biological Engineering</i> Anastasiya Ogienko <i>Graduate Student in Biology</i>
1:20 - 1:40 PM	Amarri Z. Robinson <i>Eric T. Fung and Julie A. Buckley SURF Fellow</i>	Investigation of Fis1-mediated regulation of mitochondrial function via proteometabolic profiling	David C. Chan <i>Harold and Violet Alvarez Professor of Biology</i> Sangheeta Bhattacharjee <i>Postdoctoral Scholar Research Associate in Biology and Biological Engineering</i>
1:40 - 2:00 PM	Katelyn A. Sadorf	Temporal acuity and its perceptual consequences in human intracortical microstimulation	Charles Greenspon <i>Assistant Professor of Neurological Surgery, University of Chicago</i> Ueli Rutishauser <i>Faculty Associate in Biology and Biological Engineering</i>
2:00 - 2:20 PM	Aleen A. Koujakian <i>Richard T. Jones SURF Fellow</i>	Investigating how gene-environment interaction causes heart defects	Duncan Sparrow <i>Professor of Cardiovascular Developmental Biology, University of Oxford</i> Victoria Rashbrook <i>Postdoctoral Research Scientist, University of Oxford</i> Marianne Bronner <i>Edward B. Lewis Professor of Biology</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Anthony K. Lindo <i>Harry B. Gray SURF Fellow</i>	Design of novel nanobodies targeting newly identified conserved regions of HIV gp120 and gp41 glycoproteins	Stephen L. Mayo <i>Bren Professor of Biology and Chemistry; Merkin Institute Professor</i> Andres Orta <i>Graduate Student in Biochemistry and Molecular Biophysics</i>

2:50 - 3:10 PM	David L. Jin <i>Ms. Miaomiao Liu and Mr. Lei Feng SURF Fellow</i>	Quantifying the information bottleneck in radiogenomics	Lior S. Pachter <i>Bren Professor of Computational Biology and Computing and Mathematical Sciences</i> Joseph M. Rich <i>Graduate Student in Biology</i>
3:10 - 3:30 PM	Jenna Wang <i>Bristol-Myers SURF Fellow</i>	A framework for inference in spatial transcriptomics models	Lior S. Pachter <i>Bren Professor of Computational Biology and Computing and Mathematical Sciences</i> Kayla C. Jackson <i>Graduate Student in Biology</i>
3:30 - 3:50 PM	Erik R. Ledvina <i>Laurence J. Stuppy SURF Fellow</i>	Phenotypic screening and amplicon-seq genotyping of multiplex CRISPR mutants affecting <i>Arabidopsis</i> root development	Trevor M. Nolan <i>Assistant Professor of Biology and Biological Engineering</i> Xiaohui Li <i>Postdoctoral Scholar Research Associate in Biology and Biological Engineering</i>