

Bioengineering and Biology

Session **B**

Room: 142 Keck

10:30 - 10:50 AM	Anusha K. Chatha	Cell-type-specific germline immune variants as predictors of immunotherapy response	Hannah Carter <i>Professor of Medicine, University of California, San Diego</i> Noa Popko <i>Graduate Student in Bioinformatics, University of California, San Diego</i> Shinsuke Shimojo <i>Gertrude Baltimore Professor of Experimental Psychology</i>
10:50 - 11:10 AM	Aurelia H. Kuester	Toward a mechanistic understanding of Daple regulation by cytoplasmic dynein-1	Aga Kendrick <i>Assistant Professor of Biology, Salk Institute for Biological Studies</i> Alvaro de la Gandara <i>Postdoctoral Researcher, The Salk Institute for Biological Studies</i> Isaac Fianu <i>Assistant Professor of Biochemistry; William H. Hurt Scholar</i>
11:10 - 11:30 AM	Anthony H. Wang	Opposing regulation of androgen receptor stability by RNF113A and PSMD14	Jonathan Tsai <i>Assistant Professor of Pathology, Brigham and Women's Hospital</i> Wallace Wong <i>Researcher, Brigham and Women's Hospital</i> Lea A. Goentoro <i>Professor of Biology</i>
11:30 - 11:50 AM	Rishi Bhargava <i>Marcella Bonsall SURF Fellow</i>	SNAP: An SSL based neural network for automated pseudo-time generation	Matthew W. Thomson <i>Professor of Computational Biology; Investigator, Heritage Medical Research Institute</i> Hao Wang <i>Graduate Student in Bioengineering</i>
11:50 AM - 1:00 PM	LUNCH		

1:00 - 1:20 PM	Anna S. Becker <i>Rossum Family SURF Fellow</i>	Characterization of the organ systems and vasculature of sleeping and exercised glassfrogs	Carlos A. Taboada <i>Assistant Professor of Biology and Biological Engineering; William H. Hurt Scholar</i> Patrick Simpson <i>Graduate Student in Biology</i>
1:20 - 1:40 PM	Isabella T. Lo <i>Ray Owen SURF Fellow</i>	Determining the differential progression of specific aneuploidies at the onset of gastrulation	Magdalena Zernicka-Goetz <i>Bren Professor of Biology and Biological Engineering</i> Ayse Damla Durmaz <i>Graduate Student in Biology</i>
1:40 - 2:00 PM	Manasvi Pinnaka <i>Taylor Lawrence SURF Research Fellow</i>	Understanding the mechanisms behind sex-biased trophectoderm advantage in preimplantation development using stem cell-based embryo models	Magdalena Zernicka-Goetz <i>Bren Professor of Biology and Biological Engineering</i> Sergi Junyent <i>Postdoctoral Scholar Research Associate in Biology and Biological Engineering</i>
2:00 - 2:20 PM	OPEN		
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	OPEN		
2:50 - 3:10 PM	Louise R. Scriven	Microfluidic approaches to modeling the placenta-brain axis utilizing human organoids	Rowan Karvas <i>Assistant Professor of Obstetrics and Gynecology, University of Colorado Anschutz</i> Christopher Moraes <i>Associate Professor of Chemical Engineering, University of British Columbia</i> Marianne Bronner <i>Edward B. Lewis Professor of Biology</i>
3:10 - 3:30 PM	Chrystal Duan	Cross-modality reasoning enabled by multimodal AI agents for diabetic progression inference	Jia Liu <i>Assistant Professor of Bioengineering, Harvard University</i> Wenbo Wang <i>Graduate Student in Bioengineering, Harvard University</i> Wei Gao <i>Professor of Medical Engineering; Investigator, Heritage Medical Research Institute</i>

3:30 - 3:50 PM

Gene G. Huntley
Øistein and Rita A. Skjellum
SURF Fellow

Investigating self-replicating
droplets

Erik Winfree
Professor of Computer Science,
Computation and Neural
Systems, and Bioengineering
Cameron Chalk
Postdoctoral Scholar Research
Associate in Biology and
Biological Engineering
Yancheng Du
Postdoctoral Scholar Research
Associate in Biology and
Biological Engineering