

Biology

Session **B**

Room: 127 Baxter

1:20 - 1:40 PM	<i>Amina Tajammal</i>	The neuro-immune axis in the dural meninges and its role in migraine	Diane Mathis <i>Morton Grove-Rasmussen Chair in Immunohematology, Harvard University</i> Miguel Marin Rodero <i>Graduate Student in Immunology, Harvard University</i> William M. Clemons, Jr. <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i>
1:40 - 2:00 PM	<i>Andrew N. Oldag</i> <i>Marcella Bonsall SURF Fellow</i>	Investigating the mechanisms of <i>Arabidopsis thaliana</i> root hydrotropism in the context of osmotic stress	Trevor M. Nolan <i>Assistant Professor of Biology and Biological Engineering</i> Irene Liao <i>Postdoctoral Scholar Research Associate in Biology and Biological Engineering</i>
2:00 - 2:20 PM	<i>Joe K. Afful</i> <i>Hugh F. and Audy Lou Colvin SURF Fellow</i>	Identifying differential methylation of distinct T cell intra-lineage sub-populations	Ellen Rothenberg <i>Edward B. Lewis Professor of Biology</i>
2:20 - 2:40 PM	<i>Aamina Dhar</i> <i>Ray Owen SURF Fellow</i>	Quasi-periodic pattern detection in patients with brain lesions	Haris I. Sair <i>Professor of Radiology and Radiological Science, Johns Hopkins Medical Institute</i> Henry A. Lester <i>Professor of Biology</i>
2:40 - 3:00 PM	<i>Derek W. Days</i>	3D micron-resolution brain tractography via scattered light imaging	Michael M. Zeineh <i>Associate Professor of Radiology, Stanford University</i> Ellen Rothenberg <i>Edward B. Lewis Professor of Biology</i>
3:00 - 3:10 PM	<i>BREAK</i>		

3:10 - 3:30 PM	<i>Manasvi Pinnaka</i>	Investigating the effects of sex variations on trophectoderm function and embryo fitness using stem cell-based models	Magdalena D. Zernicka-Goetz <i>Bren Professor of Biology and Biological Engineering</i> Sergi Junyent <i>Postdoctoral Scholar Research Associate in Biology and Biological Engineering</i>
3:30 - 3:50 PM	<i>Rohan Mehta</i> <i>Rossum Family SURF Fellow</i>	Modeling oscillating and rotating locomotion of active nematic droplets	Matthew W. Thomson <i>Professor of Computational Biology; Investigator, Heritage Medical Research Institute</i> Fan Yang <i>Postdoctoral Scholar Research Associate in Biology and Biological Engineering</i>
3:50 - 4:10 PM	<i>Noelle Y. Wilkinson</i> <i>Carolyn Ash SURF Fellow</i>	Building a brain cellular microscopy data portal for accelerating AI-driven segmentation and analysis in neurodegenerative diseases	David A. Van Valen <i>Assistant Professor of Biology and Biological Engineering; Investigator, Heritage Medical Research Institute; HHMI Freeman Hrabowski Scholar</i> Joud Mari <i>Graduate Student in Computation and Neural Systems</i>