

Biology

Session **C**

Room: B119 Baxter

1:00 - 1:20 PM	Chenyu Ji Washington University in St. Louis <i>Chen Institute BrainWAVE Fellow</i>	Characterizing Aggressive Behavior Using Automated Deep-Learning Behavioral Annotation Algorithms and Its Underlying Cortical Neuronal Dynamics	David J. Anderson <i>Seymour Benzer Professor of Biology; Investigator, Howard Hughes Medical Institute</i> Ho Namkung <i>Postdoctoral Scholar Fellowship Trainee in Biology and Biological Engineering</i>
1:20 - 1:40 PM	Ruby Tseng University of California, San Diego	Sensory Cues for Social Behaviour in Mice	David J. Anderson <i>Seymour Benzer Professor of Biology; Investigator, Howard Hughes Medical Institute</i> Lindsey Salay <i>Postdoctoral Scholar Fellowship Trainee in Biology and Biological Engineering</i>
1:40 - 2:00 PM	Idunn B. Arnaldsdottir University of Iceland <i>Caltech-University of Iceland Exchange</i>	Cross-Modal Approaches for Characterizing Hypothalamic Line Attractor Neurons	David J. Anderson <i>Seymour Benzer Professor of Biology; Investigator, Howard Hughes Medical Institute</i> Amit Vinograd <i>Postdoctoral Scholar Fellowship Trainee in Biology and Biological Engineering; Associate, Howard Hughes Medical Institute</i>
2:00 - 2:20 PM	Eric Ji Da Wang The University of Oxford	Structural Studies of Viral Antigens and Antibodies to Characterize Protective Immune Response Against HIV-1 and Coronaviruses	Pamela J. Bjorkman <i>David Baltimore Professor of Biology and Biological Engineering; Merken Institute Professor</i> Edem Gavor <i>Research Scientist in Biology and Biological Engineering</i>
2:20 - 2:40 PM	Zihang Xiao University of California, Santa Barbara	Uncovering the Neural Mechanisms of <i>Drosophila</i> Odor Formation: A Study of Early Life Olfactory Sense Modification Process With a Chronic Natural Odor	Elizabeth J. Hong <i>Professor of Neuroscience; Chen Scholar</i> George Barnum <i>Graduate Student in Computation and Neural Systems</i>
2:40 - 2:50 PM	BREAK		

2:50 - 3:10 PM	Ha N. Dong Amherst College	Task-Switching During Mouse Hunting	Markus Meister <i>Anne P. and Benjamin F. Biaggini</i> <i>Professor of Biological Sciences</i> Daniel Pollak <i>Graduate Student in Neurobiology</i>
3:10 - 3:30 PM	Alyssa M. Vidal California State University, Northridge <i>Amgen Scholar</i>	Investigating the Impact of Dietary Tryptophan on Homecage Spontaneous Behavior in Mice	Yuki Oka <i>Professor of Biology; Investigator,</i> <i>Heritage Medical Research Institute</i> Wongyo Jung <i>Graduate Student in Neurobiology</i>
3:30 - 3:50 PM	Maya I. Caskey <i>Bristol-Myers SURF Fellow</i>	Using Machine Learning to Classify Sleep-Wake States in Zebrafish Through Micro-Behavior Analysis	David Prober <i>Professor of Biology</i> Yun Chiu <i>Graduate Student in Neurobiology</i>
3:50 - 4:10 PM	Rogelio L. Avila Silva National Autonomous University of Mexico	Regulation Mechanisms of Phenazine Biosynthesis in Phosphorus Limitation Conditions in <i>Pseudomonas synxantha</i>	Dianne K. Newman <i>Gordon M. Binder/Amgen Professor</i> <i>of Biology and Geobiology; Merkin</i> <i>Institute Professor</i> Rei Alcalde <i>Postdoctoral Scholar Research</i> <i>Associate in Biology and Biological</i> <i>Engineering</i>
4:10 - 4:30 PM	Miki L. Chiang Massachusetts Institute of Technology <i>Amgen Scholar</i>	Investigating Phenazine-Mediated Interactions Between Bacteria, Fungi, and Wheat	Dianne K. Newman <i>Gordon M. Binder/Amgen Professor</i> <i>of Biology and Geobiology; Merkin</i> <i>Institute Professor</i> Hannah Jeckel <i>Postdoctoral Scholar Research</i> <i>Associate in Biology and Biological</i> <i>Engineering</i>