

This event is the presentation of the course-based research projects by the students of biological sciences, molecular bioscience and the Early Career Investigators at the Institute of NeuroImmune Pharmacology. Below listed the event agenda:

Event: *Integration of In Vivo, In Vitro and In Silico Studies in Molecular and Biomedical Sciences (podium presentation)*

Date and Hours: Tuesday, April 25, 2023 from 5:00 PM to 7:30 PM (followed by dinner)

Location: McNulty Hall Room 106

Organizer and Moderator: Dr. Sulie L. Chang (sulie.chang@shu.edu)

Faculty Sponsors: Drs. Erik Hill, CJ Urso, and Sulie L. Chang

Judges for Presentation Competition: Muhammed Bishir, Wenfei Huang, Tatiana Rengifo, Jaymes Fuller, Heping Zhou, Ph.D., Sulie L. Chang, Ph.D., CJ Urso, Ph.D., Marylynn Snyder, Ph.D., and Lazer Gerlikhman, Ph.D. (Rutgers University)

Name	Department/Institute	Email	Presentation Title
Heping Zhou, Ph.D.	Department of Biological Sciences and Institute of NeuroImmune Pharmacology	Heping.zhou@shu.edu	Opening Remarks
Brandon J Andrade & Blythe M Malandrino	Department of Biological Sciences	brandon.andrade@student.shu.edu; blythe.malandrino@student.shu.edu	Bacillus, Are You Cereus Right Now?
Colette L Cutrona & Carolynne Makowicz	Department of Biological Sciences	colette.cutrona@student.shu.edu ; carolynne.makowicz@student.shu.edu	Tiny Earth/Antibiotic Discovery Microbiology Project
Natalie Irwin & Aasiya Khan	Department of Biological Sciences	natalie.irwin@student.shu.edu; aasiya.khan@student.shu.edu	Isolation and Identification of Bacterium AKNI-12
Diana Malenkova	Department of Biological Sciences	diana.malenkova@student.shu.edu	Isolation and Identification of Antibiotic-Producing Bacteria in New Jersey Soil Samples

Myeong Gil Jun	Department of Biological Sciences	myeonggil.jun@student.shu.edu	Role of GLUT2 s-Palmitoylation at Cys239 in Membrane Trafficking
Hannah Peters	Department of Biological Sciences	hannah.peters@student.shu.edu	Palmitoylation of GLUT3 at Cys205 mediates GLUT3 membrane localization and function
Sharman Barbhuiya	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	sharman.barbhuiya@student.shu.edu	Network Meta-analysis of STAT3 Involvement in Ethanol Augmentation of Thymoma
Ryan J. Kim	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	ryan.kim@student.shu.edu	The Molecules Involved in Alcohol Augmentation of Pancreatitis and Diabetes: A Network Meta-Analysis
Roohan Patel	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	Roohan.patel@student.shu.edu	Involvement of C-Reactive Protein in the Augmentation of Depression from SARS-Cov-2 Infection
Jonathan Zhang	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	Jonathan.zhang@student.shu.edu	Studying Signaling Pathways Involved in the HIV-1 Mediated Addiction Using In Silico Simulated Knockout of Dopamine Neurotransmission Genes
Muhammed Bishir	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	muhammed.bishir@student.shu.edu	Gender Dependent Expression of Opioid Dependence Genes and Signaling Pathways in the Striatum of HIV-1 Transgenic Rats at Morphine Tolerance
Wenfei Huang	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	wenfei.huang@student.shu.edu	Molecular mechanisms underlying modulatory effects of alcohol use on pain

Tatiana Rengifo	Institute of NeuroImmune Pharmacology and Department of Biological Sciences	tatiana.rengifo@student.shu.edu	RNA Sequencing Identifies Variants in Novel Alleles for Cleft Lip and/or Palate
Jaymes Fuller	Department of Biological Sciences	jaymes.fuller@student.shu.edu	Comparative Analysis of Immunological Canonical Pathways and Upstream Regulators Differentially Modulated in Response to Conditional Bone Fracture