# 1st Yale Postgraduate Research Symposium

## Program

**SESSION 1**

**Molecular Biology**

**Cell Biology**

**Microbiology**

**Immunobiology**

### Long Talks

- **8:45 - 9:00**
  - **Co-Chair Welcome and Rules of Engagement**

- **9:00 - 9:10**
  - **Corina Vernon** *Can We Save Orange Juice? Developing Disease-Resistant Valencia Oranges Using CRISPR Gene Editing*

- **9:10 - 9:20**
  - **Jinny Van Doorn** *Establishing a glioblastoma mouse model for evaluating the efficacy of novel therapies*

- **9:20 - 9:30**
  - **Noel Vega** *Heat Inactivation of SARS-CoV2 in Saliva-based COVID-19 Diagnostic Testing*

### Flash Talks

- **9:30 - 9:35**
  - **Annabella Shewarega** *The effect of anti-MMP-9 as chemoattractant and its protentional role as adjuvant modulator of the immune response post cryoablation in a mouse model of liver cancer*

- **9:35 - 9:40**
  - **Elizabeth Bundschuh** *Myeloproliferative Leukemia Virus Protein (MPL) regulates eosinophil trafficking in asthma*

- **9:40 - 9:45**
  - **Kalina Lapenta** *Developing a spatial multiomics technology with application to liver disease*

- **9:45 - 9:50**
  - **Olivia Schultes** *COVID-19 in Connecticut Colleges and Universities During the 2020-2021 Academic Year: Contact, Testing, and Cases.*

- **9:50 - 9:55**
  - **Pari Waghela** *Impact of temporary storage conditions on the viability of Streptococcus pneumoniae in saliva*

- **9:55 - 10:00**
  - **Michael Gao** *Variations in fat metabolism predict outcome in murine models of sepsis.*

### Long Talks

- **10:10 - 10:20**
  - **Nardos Kebede** *Effort-based decision making behavior is mediated by muscarinic acetylcholine receptors in the brain dopamine reward pathway*

- **10:20 - 10:30**
  - **Ayman Aljishi** *Multimodal Interrogation of Statistical Learning and Episodic Memory in Epilepsy*

- **10:30 - 10:40**
  - **Violet Tan & Sean McFarland** *Tech for good: A scale for healthy technology use in adolescents*

- **10:40 - 10:50**
  - **Emily Wertheimer** *Characterizing people’s responses to the US state governments’ reactions in the COVID-19 pandemic*
Uma Neelakantan Developing a High-throughput Brain Activity Mapping Pipeline to Analyze ASD Risk Gene Function

Eda Karagoz The Recovery In Stroke Using Positive Airway Pressure (PAP) Study (RISE-UP)

Tamara Jafar A Multimodal Cortical Atlas for Epilepsy Surgery and Function-Structure Hypotheses

Whitney Denary Does Rental Assistance Improve Mental Health? Insights from a Longitudinal Cohort Study

William Eger Correlates of Pre-exposure Prophylaxis (PrEP) Use among Men who have Sex with Men (MSM) in Malaysia

Jessica Lee Optimizing an integrated rapid access program to HIV prevention and opioid agonist therapy in people who inject drugs through discussions with clinical and community stakeholders

Posters

See Abstract Book for the list of poster presentations

Lunch Break

Dr. Frances E Jensen Thinking outside the box: de-siloing neuropsychiatric disorders

Erika Belitzky Development of Radiolabeled Antibodies to Track Cytotoxic T-Cells and Tumor-Associated Macrophages Concurrently by SPECT Imaging

Paulina Komorek Behaviour of adsorbed proteins on gold surface

Guna Mandava Controlled Self Assembly of Microbial Nanowires into Ordered Lattices

Nash Keyes Noise Analysis and Stochastic Modeling of EPICA Ice Core Climate Records

Ishan Saran An Automated, Open-Source Program to Standardize Acute Kidney Injury Definition from Timestamped Creatinine Data

Admissions: PhD, MD, MD-PhD

Closing Remarks and Poster Awards

MD Students

MD/PhD Students

PhD Students
FIRESIDE CHAT
WITH THE YALE BIOLOGICAL AND BIOMEDICAL SCIENCES DIVERSITY AND INCLUSION COLLECTIVE (YBDIC)
"BRINGING OUR FULL SELF INTO SCIENCE AND MEDICINE"

Friday, August 20, 2021
05:00 PM - 07:00 PM EST
RSVP: shorturl.at/qyPS5

YBDIC Outreach
Yale Biological and Biomedical Sciences Diversity and Inclusion Collective