

THE HONORS COLLEGE

Academic Showcase

Friday, April 21



PLEASE SCAN TO VIEW
A DIGITAL VERSION OF
THE PROGRAM

Schedule / 6-8PM

Druskin Lounge, Fireside Lounge & East Lounge

MEDIA PERFORMANCE | FIRESIDE LOUNGE, 6 – 6:10PM

Jillian Matje | Advisors: Adam Klein (Dept. of Music), Alex Dawson (Dept. of English)
Situational Comedy: A Modern Concept Album

RESEARCH POSTERS | DRUSKIN LOUNGE, 6:10 – 7PM

Myera Mian | *Poster 1* | Advisor: Alice Liu (Dept. of Cell Biology and Neuroscience)
Effects of Cellular Milieu Aging on Protein Aggregation in Huntington's Disease

Catherine Kratka | *Poster 2* | Advisors: Nathan Treff (Genomic Prediction Clinical Lab.), Samuel Gunderson (Dept. of Molecular Biology and Biochemistry)
Accurate Detection of Chromosomal Abnormalities in Preimplantation Embryos and Mouse Models

Isha Kinjawadekar | *Poster 3* | Advisor: Tracy Anthony (Dept. of Nutritional Science)
Investigating the Activation of the Integrated Stress Response Pathway in Mouse Brain Due to Bckdk Deficiency

Elie Kapengut | *Poster 4* | Advisors: Bruce Mizrach (Dept. of Economics), Lazaros Gallos (DIMACS)
Studying the Impact of the Merge on the Ethereum Network

Shaunak Kale | *Poster 5* | Advisors: Kevon Rhiney (Dept. of Geography), Barbara Faga (Bloustein School of Planning and Public Policy)
Comparative Analysis of Urban Sustainability Across the World

Maryam Khalid | *Poster 6* | Advisor: Chiara Manzini (Child Health Institute of New Jersey)
Phosphoproteome Validation of CC2D1A-deficient Hippocampal Cells in Mouse Model of Autism Spectrum Disorder

Rhicki Santos | *Poster 7* | Advisor: Chris Drue (Center for Teaching Evaluation and Assessment Research)
A TikTok Discourse Analysis: The Relationship between Menstrual Product Advertisements and Casual Content

Alex Mozsolits | *Poster 8* | Advisor: Jianyuan Zhang (Dept. of Chemistry and Cell Biology), Sharron Crane (Dept. of Biochemistry and Microbiology)
Phototriggered Elimination of Senescent Cells via Fullerene-BODIPY Dyad

Aja Martinez | *Poster 9* | Advisors: Ines Rauschenbach (Dept. of Microbiology), Francesca Maresca (Dept. of Student Affairs Health and Wellness and Dept. of Public Health)
The Undergraduate Perception of Microbial Risks of Tattooing and Piercings, A Literature Review and Public Health Analysis

Annabel Guo | *Poster 10* | Advisors: Mimi Phan & David Vicario (Dept. of Psychology)
Effect of HDAC Inhibitors on Perineuronal Nets Formation in the Avian Auditory Cortex Following Song Exposure

RESEARCH POSTERS | DRUSKIN LOUNGE, 7:10 – 8PM

Paul Kaddissi | *Poster 11* | Advisor: Steven Malin (Dept. of Kinesiology and Health)
The Gut-Brain Axis: Can Changing What We Eat Impact Mental Health?

Isha Shah | *Poster 13* | Advisors: Kathleen Riley (Dept. of Anthropology), Christine Giviskos (Zimmerli Art Museum)
The Export of Russian Orientalism through Oriental Symbols in the Pre-War Ballet Russes from an Anthropological Perspective

Amy Li | *Poster 14* | Advisors: Rachel Devlin & Kathleen Lopez (Dept. of History)
The Lives and Perceptions of Nineteenth-Century Chinese-American Prostitutes

Claudia Sophia Carvajal | *Poster 15* | Advisors: Christine Giviskos (Zimmerli Art Museum), Soumitra Bhuyan (Bloustein School)
Art and Public Health: Oppressive Histories and the Importance of Decolonization

Likhitha Patlolla | *Poster 16* | Advisors: Lisa Gulla (Bloustein School), Carly Dickerson (Dept. of Linguistics)
The Effect of an Asian-Indian Accent and/or Dialect on Patients' Healthcare Experiences and Health Status in the U.S.

Kelvin Tai | *Poster 17* | Advisor: Sanjib Bhuyan (Dept. of Agricultural Food and Research Economics)
The Examination of Differences in U.S. Food Consumers' Demographic and Socio-economic Characteristics in Consumption of Food

LIGHTNING PITCHES | S124, 6:10 – 7PM | MODERATOR: ISSATA OLUWADARE

Danielle Murat, Jennifer Cleary, Diego Venegas, Olivia Carino

Instructor: Cornell Gray (HC Cross-Cultural Competency Course)

We R Here

Aiden Kamph, Isaac Neuman, Annika Ault, Isabella Chango

Instructors: Cornell Gray & Chelsea Mercado (HC Cross-Cultural Competency Course)

Swiping for Change

Roxana Mendoza, Allison Rodriguez, Katherine Balarezo

Instructor: Cornell Gray (HC Cross-Cultural Competency Course)

Finding Your Team at the HC

LIGHTNING PITCHES | E128, 6:10 – 7PM | MODERATOR: AARON MAZZEO

Alex Varjabedian, Alex Diaz | Instructor: J.D. Bowers (HC Cross-Cultural Competency Course)

Proposing Solutions to Poverty in New Brunswick

Yiyang Wu | Advisors: Barry Sopher (Dept. of Economics), Arash Azadegan (Rutgers Business School)

Has the Age of COVID-19 Prompted Technological Innovation and Adaptation in the Corporate Workplace?

Eshah Murtaza | Advisor: Johanna Schoen (Dept. of History)

A Case Study of Eugenic Sterilization of Men In North Carolina from 1930s-1960s

LIGHTNING PITCHES | S124, 7:10 – 8PM | MODERATOR: ISSATA OLUWADARE

Emily Gill, Avani Patel, Valeria Monsalve, Habeba Rashwan

Instructor: Darnell Thompson (HC Cross-Cultural Competency Course)

HC Omegle

Prem Yaragarla, Hevenly Pajarito Toxqui | Instructor: J.D. Bowers (HC Cross-Cultural Competency Course)

How Plastic Pollution Affects Both You and the Environment, and What We Can Do to Reduce It

Shaurya Baranwal, Jeffrey Tang, Alejandro Jaramillo

Instructor: J.D. Bowers (HC Cross-Cultural Competency Course)

Gun Control and The NRA's Impact

LIGHTNING PITCHES | E128, 7:10 – 8PM | MODERATOR: AARON MAZZEO

Helene Horan, Genevieve Park, Chirag Tahiliani, Akhil Abraham

Instructor: Rahjaun Gordon (HC Cross-Cultural Competency Course)

The Diverse Perspectives Book Collection

Avery Petek, Jakob Pender, Pendo Thiirah

Instructor: Sophia Jones (HC Cross-Cultural Competency Course)

When You Gotta Go, You Gotta Know

Srujanesh Gunda | Advisors: Mukesh Patel (Rutgers Business School), Gian Pal (RWJMS Dept. of Neurology),

Cultural Background and PD Patient Satisfaction: Developing a Physician Matching Platform for Improved Health Outcomes

ACADEMIC PANELS | S120, 6:10 – 7PM | MODERATOR: MARY CHAYKO

Gill Woody | Advisors: Camilla Townsend & Barbara Cooper (Dept. of History)
Explanations for the Endurance of the CFA Franc as a Neo-colonial French Institution in Relation to West Africa

Olivia Hagopian | Advisors: Wise Young (Dept. of Cell Biology and Neuroscience), Kim-Phuong Le (Dept. of Chemistry and Chemical Biology)
Optimizing L929 Fibroblast Membrane Fusion via Polyethylene Glycol

Luke Collins | Advisors: David Vicario & Mimi Phan (Dept. of Psychology)
Using Computational Tools to Assess Auditory Processing and Learning in an Animal Model

ACADEMIC PANELS | S120, 7:10 – 8PM | MODERATOR: MARY CHAYKO

Allen Fu | Advisor: Bonnie Firestein (Dept. of Cell Biology and Neuroscience)
D-serine Reverses Changes in Mitochondrial Morphology Mediated by NOS1AP-L Overexpression

Pavan Pranesh | Advisor: Shu-Chan Hsu (Dept. of Cell Biology and Neuroscience)
The Economic Impact of Traumatic Brain Injury

Steven French | Advisors: Michael LuValle (Dept. of Statistics), Shiqing Ma (Dept. of Computer Science)
Finding Cybersecurity Threats in an Intranet Web Server Log

SCARLET RED TALKS | S126, 6:10 – 7PM | MODERATOR: TALIA ROBBINS

Gavin Wagner | Advisors: David Tulloch (Dept. of Landscape Architecture), Rick Lathrop (Dept. of Ecology Evolution and Natural Resources)
Long Term Research and Historical Data: Environmental Time Machines

Alice Militaru | Advisors: Milton Heumann (Dept. of Political Science), Talia Robbins (Honors College)
Personality Testing in Hiring Practices

SCARLET RED TALK | S126, 7:10 – 8PM | MODERATOR: TALIA ROBBINS

Zoë Gold | Advisors: Mary Whelan (Dept. of Environmental Sciences), Steven Kemper (Dept. of Music)
The Effects of Climate Change on Bryophyte Facilitated Carbon Fluxes

MODEL DISPLAY | DRUSKIN LOUNGE, 6:10 – 7PM

Annabelle Simhon, Jennifer Schug | Advisor: A.J. Both (Dept. of Civil & Environmental Engineering)
Experimental Plant Growth Chamber

MODEL DISPLAY | DRUSKIN LOUNGE, 7:10 – 8PM

Joshua Chung | Advisors: Laurent Burlion (Dept. of Mechanical & Aerospace Engineering), Kostas Bekris (Dept. of Computer Science)
Improving Aerial Manipulation Precision with a 3-axis Robot Arm and Motion Capture Camera for Autonomous and Human Control