

THE HONORS COLLEGE

Academic Showcase

Friday, April 19, 2024 / 4-6PM



Schedule / 4-6PM

HONORS COLLEGE BUILDING
Druskin Lounge, Fireside Lounge,
South, North, and East Seminar Rooms
&
ACADEMIC BUILDING
2225



RUTGERS-NEW BRUNSWICK
Honors College

FIRST SESSION | 4-5PM

ACADEMIC PANELS | N106, 4-5PM

Leyneir Cespedes

Investigation of DDX50 as a Possible RNF4 Substrate

Capstone Project

Jared Fraticelli

Search for Resonant Production of Pseudoscalar Particles Decaying into 3 Pions at the Large Hadron Collider

Capstone Project

Rachel Sun

Human Sputum Macrophage and Peripheral Blood Neutrophil Immunometabolism Following Controlled Exposure to Inhaled Ozone

Capstone Project

ACADEMIC PANELS | E128, 4-5PM

Laura Lassen

The Feedlot: Poems

Capstone Project

Caroline Poskrobko

My Transformative Journey at MEVO

Capstone Project

Olivia San-Emeterio

The Power of the Purse: How the West Has Evaded the International Criminal Court

Capstone Project

RED TALKS | S120, 4-5PM

Lauren Bromberg

Sober Octopus: A Screenplay about the Dangers of Tween Influencer Culture

Capstone Project

Leslie Gomez

Nurturing Learning Through Mentorship: An Experiential Journey into ABA at Douglass Developmental Disabilities Center

Capstone Project

Kristen Hamilton

Physical Therapy Modalities For the Future

Capstone Project

Peyton Jordan

Internship at Rutgers Office of Student Affairs Compliance & Title IX

Capstone Project

MEDIA-DOCUMENTED PRESENTATIONS | DRUSKIN LOUNGE, 4-5PM

Vaughn Battista

Feature Screenplay Presentation

+Honors Contract Course

Rohan Bhavankar

Modern-Day Investing: Strategic Portfolio Management and Diversification in 2024

Capstone Project

Jasmine Cedeno

Gut-Brain Axis: TBI and Other Cognitive Defects

Capstone Project

Danielle Dominguez

Interface-To-Face with Our Information

Capstone Project

Nicholas Fastuca

Experiences in New Jersey Law with NJ Divisions of Civil Rights and Criminal Justice

Capstone Project

Dylan Freno

Thesis Film: Ollie Ollie

Capstone Project

Dylan Freno

A Feature Film Screenplay - Bird's Eye - Presented Through a Staged Reading

+Honors Contract Course

Gabriella Gonzalez

Mentoring as a Public Service with Rutgers Future Scholars

Capstone Project

Eleanor Johnsen

Childhood and Identity in Philip Pullman's The Golden Compass

Capstone Project

Tej Shah

Deciphering the Narrative: Distinguishing Human and GPT-Generated Stories in the Hippocampus Dataset

Capstone Project

Kaushik Tallam

Exploring Computational Complexities in Finance

Capstone Project (Graduate Study)

Ariana Taveras

The Neoclassical Macroeconomic Model

Capstone Project (Graduate Study)

MODEL DISPLAYS | FIRESIDE LOUNGE, 4-5PM

Caroline Fernandes

Graduate Study in Supply Chain Management

Capstone Project (Graduate Study)

Shravan Kasetty

Optimizing Ovarian Cancer Treatment: Integrating Phytochemicals and Repurposed Drugs for Enhanced Therapeutic Outcomes

Capstone Project

Matthew Lazzara

Bilingualism: Exploring Its Intersection and Effect on Mathematics

Capstone Project

Andrew Zuppardi

Reflections of the Forest: Designing an Augmented Reality Educational Game for the Rutgers EcoPreserve

Capstone Project

RESEARCH POSTERS | DRUSKIN LOUNGE, 4-5PM

John Adams

MBS Externship Exchange

Capstone Project

Buzzy Brickman

Crunch Cafe

Capstone Project

Christopher Garofalo

Assessing Voter Access Disparities by Wealth

Capstone Project

Matthew Greenen

Peeling Back the Layers: Development and Validation of Peel Tests to Investigate Clot Adhesion in Trauma-Induced Coagulopathy

Capstone Project

Shinbee Kang

Selecting BGP Paths Using One-Way Measurements

Capstone Project

Rashmi Kapse

Honors Finance Seminar

Capstone Project

Gauri Kshirsagar

Overview of Finance Seminar 2024

Capstone Project

Joshua Louie

Associations Between Font Features and Vowel Quality: Vocalic Sound Symbolism in Novel Contexts

Capstone Project

Annie Maclin

The Various Facets of Performing Arts Management

Capstone Project

Mary McIlvain

"Sammie the Sloth's Spectacular Art Show" —A Children's Storybook on Art Education

Capstone Project

Anjali Patel

The Influence of Household Size on Redemption Rates in a New Jersey Food Voucher Program

Capstone Project

Shipra Patel

The Conversation Tree Project

Capstone Project (Graduate Study)

Sandhya Rajagopalan

The Dictator's Dilemma: Why is there a Modern Resurgence for Authoritarian Leaders?

Capstone Project

Jonathan Rasnitsyn

Efficient Decomposition of Large Traveling Salesman Problem Instances

Capstone Project

Zoe Reich

Dissecting Fundamental Biology of Neuronal Aggregate Transfer in a Simple Alzheimer's Disease Model

Capstone Project

Katherine Sidebotham

Innovate & Promote: A Dual Industry Expedition

Capstone Project

Akhil Thalasila

The Change in Virility of COVID-19 Since Its Inception

Capstone Project

Kithmy Wickramasinghe

Effect of Food Emulsifier on Neuroinflammation

Capstone Project

Emily Zhivotovski

Role of Cultural Relevance In Determination of Food Store Preference

Capstone Project

LIGHTNING PITCHES | S124, 4-5PM**Dylan Halbig**

From Theory to Practice: Insights on Cognitive Computing

Capstone Project (Graduate Study)

Gloria Liu

Graduate Studies in Algorithms and Experimental Math

Capstone Project (Graduate Study)

Marisa Percoco

Graduate Study with an Internship Twist: Managing Expectations in Corporate America

Capstone Project (Graduate Study)

Sneha Ramesh

Marketing Strategy & B2B Marketing

Capstone Project (Graduate Study)

Jill Shah

Graduate Study in Marketing

Capstone Project (Graduate Study)

Christopher Shin

Statistical Modeling: Quantifying the Qualitative

+Honors Contract Course

Linda Wang

MBS Externship Exchange Program

Capstone Project

Adrienne Yu

Graduate Study Focusing on Artificial Intelligence and Data Analytics

Capstone Project (Graduate Study)

Katherine Zoda

Graduate Level Learning within Supply Chain Analytics

Capstone Project (Graduate Study)

LIGHTNING PITCHES | S126, 4-5PM**Landon Araujo Gonzalez**

Evaluating Language Learning Tools: A Comparative Study on Resources for Language Acquisition

+Honors Contract Course

Camila Correa

Trending and Dangerous: Exploring the Role of Social Media in Security

Capstone Project (Graduate Study)

Earl Lontok

The Benefits of Choosing Probabilistic Algorithms Over Deterministic Algorithms

Capstone Project (Graduate Study)

Dhviti Patel

Pharmacy Care and Public Health: A Synergistic Approach to Advance Medical Accessibility

Capstone Project (Graduate Study)

Hannah Schwartz

Issues and Opportunities in CSR and Communication: Effectiveness of ESG Reporting

Capstone Project (Graduate Study)

Joy Scott

"Proper" Grammar vs. Linguistic Inclusivity: How to Teach Writing to Today's High Schoolers

Capstone Project (Graduate Study)

Meghna Thekepat

Graduate Study in Anthropology: Anthropological Theory and Linguistic Anthropology as Social Justice

Capstone Project (Graduate Study)

Ethan Zheng

Graduate Study in Public Health

Capstone Project

ONE QUICK THING I LEARNED/LIGHTNING PITCHES | S126, 4-5PM**Sean Maye**

An Introduction to Artificial Intelligence and How It Impacts Today's Markets

Capstone Project (Graduate Study)

Lily Rudd

The Importance of Sadness as Portrayed by Inside Out

+Honors Contract Course

CROSS-CULTURAL DISCUSSIONS | ACADEMIC BUILDING, 4-5PM
STUDENTS COMPLETING CROSS-CULTURAL COMPETENCY

4-4:15PM

Muhammad Qasim
Cleaning with a Cause

Demetra Giannakopoulos
"Can I Have That...?"

Lakya Lassiter
Installing Bins in the Toilet Stalls at the Honors College

Sophie Rathgeber
Women's Health

Marisa Olavarria
Gender Inequality Within the Workforce

4:15-4:30PM

Julie Huffman
The Scarlet Safe Haven

Lidieth Artica
Designated De-Stress Pods for Rutgers Commuter Students

Jadelini Mora
RU Lost?

Ashrith Mandayam Athmaram
Menty

Ananya Jaising
CAPS Counseling At Rutgers

4:30-4:45PM

Anastasiia Smykavchuk
Silent Connections

Louis Wood
Putting ALL Students First at Rutgers: Inclusion for Students with Disabilities

Landen Gonzalez
Unseen Connect - A Social Sphere for the Visibly and Invisibly Disabled

Sarah Francis
Improving Maintenance of Disability Accommodations at Rutgers University

Brian Zhao
Improving Accessibility at The College Ave Gym

4:45-5:00PM

Daniel Cruz
Bridge & Bright - Assisting Refugee Children with Mentorship and Education

Rachel Yoo
RU Ready?

Lilia Van Houten

EquiSTEM: Bridging the Gap for Women in STEM

Cross-Cultural Competency

Ayush Mishra

Rutgers Honors College Intercultural Language Exchange Program

Cross-Cultural Competency

Avni Kondra

Rutgers Technology Education Initiative

Cross-Cultural Competency

Lily Tews

Strengthening Community Between Rutgers Students and the Rest of New Brunswick

Cross-Cultural Competency

Audrey Fang

STEMpire: Students that Empower Minds

Cross-Cultural Competency

SECOND SESSION | 5-6PM

ACADEMIC PANELS | E128, 5-6PM

Madison Cortes

Grit or Quit: The Effects of Goal-Disengagement Attitudes on Task Persistence

Capstone Project

Andrew Krapivin

New Techniques in the Theory and Practice of Retrieval Data Structures

Capstone Project

Johanna Murphy

Acquisition of Emotional Adjectives in Neurotypical Children and Children with Autism

Capstone Project

Tomaima Yousef

Potential Causes of Hypersensitivity to Pain in Autistic Individuals

Capstone Project

ACADEMIC PANELS | N106, 5-6PM

Vanassa Lafleur

Addressing Black Maternal Mortality Amidst COVID-19: Unveiling Medical Bias in Pursuit of Abolition Medicine

Capstone Project

Jake Rothstein

The Effects of Oxidative Stress on the Physical Properties of Stress Granules

Capstone Project

Avery Souplos

Living with AIDS: Representations in Photography

Capstone Project

RED TALKS | S120, 5-6PM

Vincenza Deserio

The Multidirectional Relationship Between Intercultural Communication and Pedagogical Strategies

Capstone Project

Evan Dickinson

On Problem Solving: My Graduate Level Mathematics Experience

Capstone Project (Graduate Study)

Sahr Elshaikh

The Impact of Mentorship

Capstone Project

Anna Santy

What Factors Affect Integration of Behavioral Health into Primary Care Practices?

A Content Analysis of Interviews with Behavioral Health Providers

Capstone Project

MEDIA-DOCUMENTED PRESENTATIONS | DRUSKIN LOUNGE, 5-6PM

Joshua Baw

The Uptake Mechanisms and Genotoxicity of Ingested Micronanoplastics on the Small Intestine

Capstone Project

Samantha D'Elia

Developing an Inclusive Workplace in the United States

Capstone Project (Graduate Study)

Mohammed Elfaramawy

Residence Time Distribution Models for Feeding Tanks in Continuous Manufacturing Operation

Capstone Project (Graduate Study)

Regina Giordano

Women in American Religious History

+Honors Contract Course

Astha Lakhankar

History of Latino and Caribbean Studies at Rutgers

Capstone Project

Camille Lorico

The Relationship Between Medical Interpreters and Healthcare Services for Limited English Proficient Speakers

Capstone Project

Bhavya Patel

Generalized Voronoi Diagrams for Robot Path-Planning

Capstone Project (Graduate Study)

Ria Philip

The Conversation Tree: Community-Based Language Programs & Their Ties to Healthcare

Capstone Project (Graduate Study)

Sasha Raina

The Role of the Gut-Brain Axis in Multiple Sclerosis

Capstone Project

Heta Shah

Deceptive Realities: Real-Time Threats of Deepfake-driven Social Engineering and the Human Factor

Capstone Project

Joammi Taveras

Analysis of Rutgers Muslim Students' Spatial Experience at Rutgers University—New Brunswick

Capstone Project

Paul Varghese

Exploring the Prion Protein Conversion Cascade: Implications for Disease Pathogenesis

Capstone Project

MODEL DISPLAYS | FIRESIDE LOUNGE, 5-6PM**Vaughn Battista**

Senior Thesis Film: American Ghosts

Capstone Project

Isabella Cabarcos

An Adjustable Angle iPad Holder that Allows for Increased Accessibility for Matheny Students

Capstone Project

Trent Demers

FrieghtFlo: The USA in Freight

Capstone Project (Graduate Study)

Vanessa Nuckols

Gazing at My Mother's Stars: An Interactive Storybook Mural of Love, Loss, and Language

+Honors Contract Course

Ravi Raghavan

Drone Path Pro

Capstone Project

Oliver Rzepecki

Autonomous Parking Lot Navigation for Self-Driving Model Car

Capstone Project

Bridget Zhang

Machine-Learning Driven Heart Arrhythmia Diagnosis

Capstone Project

RESEARCH POSTERS | DRUSKIN LOUNGE, 5-6PM

Neha Avadhani

The Politics of the Electric Vehicle Battery Supply Chain

Capstone Project

Karl Matthew Bermudez

The Influence of Artificial Intelligence on Cognitive Processes: A Philosophical and Neuro-Psychological Examination

Capstone Project

Lorraine Clark

A Study of How Genetic Predisposition and Social Environment Affect the Human Brain In Cases of Alcohol Use Disorder

Capstone Project

Jenna DeSimone

The Impact of a Health Literacy Program (K-8)

Capstone Project

Hana Huber

Graduate Real Analysis Sequence

Capstone Project (Graduate Study)

Nia Mallangada

Artificial Intelligence and Human Social Psychology: Exploring the Impacts and Perceptions

Capstone Project

Esha Paghdal

Language Barriers in Medicine

Capstone Project

Khushi Patel

Graduate Studies in Computer Science

Capstone Project (Graduate Study)

Nicole Podlog

A Peer Mediated Approach to Teaching College Students with Autism Job Interview Skills

Capstone Project

Rehan Yadav

Utilizing Lean Manufacturing within Music Production

Capstone Project

Harrison Zoltowski

BMP2 Inhibition Augments Cancer Cell Death Synergistically with Mitochondria Targeting Agents and Anti-Apoptotic Protein Inhibitors

Capstone Project

LIGHTNING PITCHES | S124, 5-6PM

Akin Aksay

Advanced Concepts in Econometrics and Forecasting

Capstone Project

Sophie Brown

Major Issues in Syntactic Theory

Capstone Project

Matthew Hawryluk

Understanding New Religious Movements

+Honors Contract Course

Emilie Puja

Gentrification Indicators: A Look at the Hudson-Bergen Light Rail and Transit-Oriented Developments in Bayonne, NJ
+Honors Contract Course

David Rubin

Analytics Grad Study in Economics
Capstone Project (Graduate Study)

Tom Simon

Enhancing Engineering Economics Through Spreadsheet Modeling
+Honors Contract Course

LIGHTNING PITCHES | S126, 5-6PM**Anna Chostko**

Advanced Concepts of Research Statistics in Psychology: Single-Case and Group Designs
Capstone Project (Graduate Study)

Maira Ejaz

The Importance of Understanding Natural and Urban Spatial Patterns in Climate Resilience and Sustainability
Capstone Project (Graduate Study)

Lun Lee

Graduate Courses in the Organizational Psychology Department
Capstone Project (Graduate Study)

Johanna Murphy

Topics in Language and Cognition: Further Exploration
+Honors Contract Course

Chiara Espinal

Topics in Graduate Studies: Linking Poetic Form and Genre Theory
Capstone Project (Graduate Study)

CROSS-CULTURAL DISCUSSIONS | ACADEMIC BUILDING, 5-6PM

STUDENTS COMPLETING CROSS-CULTURAL COMPETENCY

5:00-5:15PM**Adamy Modi**

ClubUnity

Pavni Bhardwaj

Friendr Proposal

Sigal Gottschalk

Culture Film Promotion

Elyse Guadagno

Inclusivity of Classical Music at Rutgers

Eshmal Rizwan

Unity in Diversity: Fostering Interfaith Collaboration Among Student Beliefs

Hugh Brennan

Monthly Culture Spotlight

Shahlamedina Yasmin

International Cultural Knight

5:15-5:30PM

Artem Ivaniuk

Academic Ally

Jake Wuebker

Implementing Service Hours as a Consideration for On-Campus Housing Selection

Priya Ramani

What RU Doing This Weekend?

Muhtasim Noor

The Model Minority Myth: A Social Media Campaign

Devon Safeer

HC Show and Tell

Arya Shah

What RU Doing?

5:30-5:45PM

Isabel George

Nutrition at Your Convenience

Olivia Loya

Nutritional Accessibility at Rutgers

Lucas Ruiz

RU Swipeless

Amrik Krishnakumar

Raising Awareness for Students with Dietary Restrictions

5:45-6:00PM

David Gregory

Political Polarization at Rutgers

Peter Bode

Rutgers Athletic Debt

Matthew Imhoff

RUCool? AC at Rutgers Housing

Jerry Albarracin

Food at Rutgers

6:00-6:15PM

Anna Chen

Global Grubhub

Jaimin Nam

RU Cultured Food Blog

Jacob Carlson

Unity Through Flavor

Angelie Herrera Bueso

Food Diversity at Rutgers

Emilie Lee

Mr. Worldwide

*Thank you to all student presenters
& their advisors!*