The Aresty Research Center for Undergraduates presents the 13th Annual Undergraduate Research Symposium.

Friday, April 28th, 2017 | 10:30am – 2pm | Livingston Student Center

aresty.rutgers.edu/symposium
A GUIDE TO THE POSTER SESSION

COLLABORATIVE LEARNING CENTER
RUTGERS ZONE
LUNCH GATHERING LOUNGE
COFFEE HOUSE
STAIRS TO STEM AND COFFEE STATION
LIVINGSTON HALL
HUMANITIES
SOCIAL SCIENCES
STEM
STEM
STEM CONTINUED UPSTAIRS

REGISTRATION
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RESTROOMS
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Welcome to the 13th Annual Undergraduate Research Symposium at Rutgers. Among the largest celebrations of undergraduate research in the nation, the Aresty Symposium provides a platform for aspiring researchers at Rutgers to share their work with the community. This year’s event features more than 500 Rutgers undergraduates who have worked with nearly 300 professors from every school at Rutgers-New Brunswick, presenting their contributions to research in the sciences, social sciences, humanities, and the arts.

The Aresty Center’s mission is unique within the Big 10 and among research universities in general. Most schools reserve authentic research experiences for advanced students and place the burden of finding research projects squarely on the student. The Aresty Center, by contrast, encourages students at all stages of their education to get involved, and offers a transparent process for students to find faculty mentors, engage with cutting-edge research, and receive ongoing support and professional development from a network of peers and advisors. Our goal is for engagement with research to be a defining feature of the undergraduate experience at Rutgers.

Yet collecting data in the lab, or samples in the field, or sources in the archive is only part of the research experience. Research is a fundamentally social endeavor: describing methods, sharing findings, and answering questions are critical parts of the research process. By participating in the Symposium today, either as a presenter or a guest, you join the dialogue that transforms research from ideas and data to findings, conclusions, and broader impacts for society. Thank you for contributing to the rich community of undergraduate research at Rutgers.

Chuck Keeton
Associate Professor, Department of Physics & Astronomy
Faculty Director, Aresty Research Center for Undergraduates

Tamiah Brevard
Director, Aresty Research Center for Undergraduates
AM POSTER SESSIONS
10:30am – 12:00pm

LUNCH
12:00pm    Rutgers Zone

KEYNOTE ADDRESS
12:15pm
Livingston Hall

PM POSTER SESSIONS
12:30 – 2:00pm
Cedric Abano | Advisor: Sarolta Takács
Borders, Caravans, and Empire
*Presentation Station: 38 | PM (12:30 - 2:00) | Humanities and the Arts | History*

Julia Abboud | Advisor: Trefor Williams
Applying Social Network Theory to Contractor/Subcontractor Behavior on Competitively Bid Projects
*Poster: 239 | AM (10:30 - noon) | STEM | Civil and Environmental Engineering*

Yousuf Abdelfatah | Advisor: Eric Davis
Social Entrepreneurship Among Youth in the Middle East
*Poster: 97 AM (10:30 - noon) | Social Sciences | Political Science*

Neven Abdo | Advisor: Mimi Phan
The Effect of Hormonal Manipulation on Parental Behaviors Elicited by Offspring Vocal Cues
*Poster: 402 | AM (10:30 - noon) | STEM | Psychology*

Abdulraouf Abdulraouf | Advisor: Nicholas Bello
Increased Spontaneous Activity and Neuropeptide Y (NPY) Gene Expression in the Locus Coeruleus-Norepinephrine System
*Poster: 131 | PM (12:30 - 2:00) | STEM | Animal Sciences*

Mina Afayee | Advisor: Yolanda Martín-San Miguel
Cross-Generational Advocacy: Activism in the Latino Community in the 1970s and Now
*Poster: 25 | PM (12:30 - 2:00) | Humanities and the Arts | Latino & Hispanic Caribbean Studies*

Virginia Agostinelli | Advisor: Sonia Tikoo-Schantz
Origins of Magnetization on Chondrite Parent Bodies
*Poster: 424 | PM (12:30 - 2:00) | STEM | Earth and Planetary Sciences*

Mubariz Ahmad | Advisor: Daniel Rosenblum
Increasing HPV Vaccinations through Community Based Intervention
*Poster: 91 | PM (12:30 - 2:00) | Social Sciences | Medicine- Hematology- NJMS*

Mamun Ahmed | Advisor: Deborah Carr
Does Hegemonic Masculinity Encourage or Prevent End of Life Planning?
*Poster: 127 | AM (10:30 - noon) | Social Sciences | Sociology*

Akshitha Ajayan | Advisor: Aaron Mazzeo
Paper-based Force Sensing Touchpad
*Poster: 332 | AM (10:30 - noon) | STEM | Mechanical and Aerospace Engineering*

Hala Alhosh | Advisor: Alessandro Vettori
The Fall of the House of Medici
*Poster: 20 | AM (10:30 - noon) | Humanities and the Arts | Italian*
Emily Ali | Advisor: Alexander Pichugin
World Languages at Rutgers: A Multimedia Web Project
*Presentation Station: 37 | AM (10:30 - noon) | Humanities and the Arts | Germanic, Russian & E. European Lang & Lit*

Kiran Ali | Advisor: Peggy Policastro
Food Label Fake Out: Impact of Marketing Claims on Undergraduates’ Perceived Healthiness of Products
*Poster: 377 | PM (12:30 - 2:00) | STEM | Nutritional Sciences*

Lyba Ali | Advisor: Sarolta Takács
Borders, Caravans, and Empire
*Presentation Station: 38 | PM (12:30 - 2:00) | Humanities and the Arts | History*

Trevor Alston | Advisor: David Shreiber
Assessing the Reactivity of PEGDA
*Paper/Oral Presentation (May 3rd): | Session 2 (3:30 - 5pm) | STEM | Biomedical Engineering*

Jake Altshuler | Advisor: Samuel Bunting
53BP1 in the Response to Replication Stress
*Poster: 352 | AM (10:30 - noon) | STEM | Molecular Biology and Biochemistry*

Christopher Alvarado | Advisor: Kathleen Pottick
Examining Racial and Ethnic Disparities in Mental Health Treatment Delivery
*Poster: 123 | AM (10:30 - noon) | Social Sciences | School of Social Work*

Riddhi Amin | Advisor: Rick Cohen
The Differentiation of Dopaminergic Neurons Using Small Molecules Compared to Growth Factors
*Poster: 148 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Alexandra Angels | Advisor: Richard Contrada
Attentional Biases During An Emotional Stroop Task In Young Adults
*Poster: 112 | PM (12:30 - 2:00) | Social Sciences | Psychology- Social Psychology*

Aresty Byrne Students | Advisor: Clark Chinn
The Psychology of Reasoning
*Poster: 129 | AM (10:30 - noon) and PM (12:30 - 2:00) | Social Sciences | Education Psychology - GSE*

Ericka-Kate Asis | Advisor: Bonnie Firestein
Effects of NMDA Receptor Agonists on Dendrite Branching and Expression of NOS1AP, a Protein Encoded by a Schizophrenia Susceptibility Gene
*Poster: 190 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience*

Chantal Asselin | Advisor: Sam Gunderson
U1 Adaptor Oligonucleotide Technology Targeting the P53BP1 and PTEN Genes for Gene Silencing In Vivo
*Poster: 353 | AM (10:30 - noon) | STEM | Molecular Biology and Biochemistry*

Maame Konadu Assisi-Gyimah | Advisor: Aaron Mazzeo
Paper Based Skin
*Poster: 333 | AM (10:30 - noon) | STEM | Mechanical and Aerospace Engineering*
Diego Atehortúa | Advisor: Tatiana Flores
Body as Medium, Body as Resistance: Queerness and the Nude Male in Contemporary Latin American Art
*Presentation Station: 34 | PM (12:30 - 2:00) | Humanities and the Arts | Art History*

Merna Attia | Advisor: Jennifer Clear
Chronological Horizons of European Settlement in Northwestern USA
*Poster: 313 | PM (12:30 - 2:00) | STEM | Marine and Coastal Sciences*

Sam August | Advisor: Bakary Diaby
Sensing Meaning: Vulnerability and the Aesthetic in the Romantic Age
*Poster: 10 | PM (12:30 - 2:00) | Humanities and the Arts | English*

Waleed Azam | Advisor: Sanjib Bhuyan
An Examination of the Demand for Domestically Produced and Processed Ethnic Food in the United States
*Poster: 65 | PM (12:30 - 2:00) | Social Sciences | Agricultural, Food, and Resource Economics*

Kathy Azizie | Advisor: Stephen Reinert
Researching Bram Stoker's Dracula
*Poster: 17 | AM (10:30 - noon) | Humanities and the Arts | History*

Alexander Bachert | Advisor: Richard Contrada
Attentional Biases During An Emotional Stroop Task in Young Adults
*Poster: 112 | PM (12:30 - 2:00) | Social Sciences | Psychology - Social Psychology*

Aditi Badrinath | Advisor: Nick Bello
Metabolic Effects of Raspberry Extract and Raspberry Ketone in Mice
*Poster: 132 | AM (10:30 - noon) | STEM | Animal Sciences*

Eva Bahrami | Advisor: Stanley Weiss
Assessing Hepatitis C Virus Prevalence, Treatment, and Treatment Barriers in New Jersey Drug Users
*Poster: 92 | PM (12:30 - 2:00) | Social Sciences | Medicine - Hematology - NJMS*

Anna Baker | Advisor: Frank Gallagher
Assessing Growth Rates of *Quercus rubra* within Heterogeneous Soils of an Urban Brownfield
*Poster: 311 | PM (12:30 - 2:00) | STEM | Landscape Architecture*

Nicolas Balbi | Advisor: Lori Covey
The Regulation of IL-2 in Activated Human CD4 T Cells by the RNA Binding Protein PTBP1
*Poster: 191 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience*

Hunter Banks | Advisor: James Walkup
Gay Liberations and Psychotherapy
*Poster: 104 | PM (12:30 - 2:00) | Social Sciences | Psychology - Clinical*

Tanushree Bansal | Advisor: Mukti Mangharam
Animals in Literature
*Poster: 11 | PM (12:30 - 2:00) | Humanities and the Arts | English*
Andrea Banu | Advisor: Brandon Alderman  
Effects of Exercise on Neurocardiac Responses to a Sad Mood Induction in MDD  
*Poster: 303 | PM (12:30 - 2:00) | STEM | Kinesiology and Health Sciences*

Sonay Barazesh | Advisor: Mona Krook  
Gender Quotas in South Africa’s Parliament  
*Poster: 98 | PM (12:30 - 2:00) | Social Sciences | Political Science*

Samantha Bargmann | Advisor: Kyle Murphy  
The Effect of B Raf Mutation V600E on AhR Signaling and MMP-1 Production  
*Poster: 137 | PM (12:30 - 2:00) | STEM | Biochemistry and Microbiology*

Shannon Barley | Advisor: Aparna Zama  
Developmental Effects of Endocrine Disrupting Chemicals on the Female Reproductive System  
*Poster: 133 | PM (12:30 - 2:00) | STEM | Animal Sciences*

Meg Barrett | Advisor: Pamela McElwee  
Commercial Captive Breeding and the Trade in Wildlife Parts in Vietnam  
*Poster: 84 | PM (12:30 - 2:00) | Social Sciences | Human Ecology*

Nish Basheri | Advisor: Aleksey Vishnyakov  
Nanostructure and Dynamics of Heavy Fractions of Crude Oil  
*Poster: 268 | AM (10:30 - noon) | STEM | Engineering*

Paol Batarseh | Advisor: Lisa Denzin  
Expression of H2-O and H2-M in Lupus-Prone Mice  
*Poster: 346 | PM (12:30 - 2:00) | STEM | Medical - Child Health Institute - RWJ*

Dianne Francel Bautista | Advisor: Olga Jarrín  
Preliminary Assessment for Revision of the Twenty-Year-Old NJ Certified Nursing Assistant Curriculum  
*Poster: 79 | PM (12:30 - 2:00) | Social Sciences | Nursing Science, School of Nursing*

Caroline Beardsley | Advisor: Jeffrey Brown  
Influence of Novel Light Sources on Arthropod Communities  
*Poster: 255 | AM (10:30 - noon) | STEM | Ecology, Evolution, and Natural Resources*

Sophie Bendrath | Advisor: Louis Matzel  
Impact of Environmental Manipulation on Intelligence in Mice  
*Poster: 404 | AM (10:30 - noon) | STEM | Psychology - Behavioral and Systems Neuroscience*

Marissa Berger | Advisor: Shishir Chundawat  
Negatively Charging Cellulolytic Enzymes can Reduce Non-productive Binding to Lignin  
*Poster: 213 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering*

Ryan Berger | Advisor: Elizabeth Matto  
The Young Elected Leaders Project  
*Poster: 69 | AM (10:30 - noon) | Social Sciences | Eagleton Institute of Politics*
Tuhina Bhat | Advisor: Stanley Weiss
Regional and County Disparities in NJ Pediatric Asthma
Poster: 93 | AM (10:30 - noon) | Social Sciences | Medicine- Hematology- NJMS

Jatan Bhatt | Advisor: Enver Koray Akdogan
Nonlinear Elasticity and Tricritical Phenomena in Ferroelectrics for Solid State Nanoelectronics
Poster: 320 | PM (12:30 - 2:00) | STEM | Materials Science and Engineering

Arienne Bisnar | Advisor: Richard Padgett
Cdc-42’s Role in Trafficking Membrane Proteins
Poster: 282 | PM (12:30 - 2:00) | STEM | Genetics

Zac Blanco | Advisor: Waheed Bajwa
Performance of Distributed Average Consensus in WANETs: Testing MPI Implementations
Poster: 265 | AM (10:30 - noon) | STEM | Electrical and Computer Engineering

Bethany Bonacorsi | Advisor: Clark Chinn
Promoting Reasoning and Conceptual Change in Science
Poster: 80 | PM (12:30 - 2:00) | Social Sciences | Education Psychology - GSE

Samantha Borbon | Advisor: Olga Jarrín
Disparities in Access to Care for Black and Hispanic Medicare Beneficiaries
Poster: 370 | PM (12:30 - 2:00) | STEM | Nursing Science, School of Nursing

Jennifer Borucki | Advisor: Melike Baykal-Gursoy
Game Theory Research for Security Applications
Poster: 292 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering

Ciara Bosch | Advisor: Michael Shakarjain
The Role of Cell Migration and Chymase in Mustard Vesicant Induced Skin Blistering
Poster: 348 | PM (12:30 - 2:00) | STEM | Medicine- Division of Pulmonary and Critical Care-UMDNJ

Christine Botvinnik | Advisor: Mark Killingsworth
Pay of Public University Presidents: How Much is Enough?
Poster: 76 | PM (12:30 - 2:00) | Social Sciences | Economics

Aditya Brahmbhatt | Advisor: Hatem Sabaawy
CRISPR Generated Transgenic Zebrafish to Model Cancer Development & Discover Therapeutic Strategies
Poster: 183 | PM (12:30 - 2:00) | STEM | Cancer Institute of New Jersey

Kyle Bright | Advisor: Ruth Mandel
Trump’s Cabinet: Making America 1950 Again?
Poster: 68 | PM (12:30 - 2:00) | Social Sciences | Eagleton Institute of Politics

Trent Brinkofski | Advisor: George Wagner
Behavioral Impairment in MARK1 Conditional Knockout Mice
Poster: 405 | AM (10:30 - noon) | STEM | Psychology- Behavioral and Systems Neuroscience
Katherine Budinsky | Advisor: Elizabeth Matto
The Young Elected Leaders Project
Poster: 69 | AM (10:30 - noon) | Social Sciences | Eagleton Institute of Politics

Bella Bulsara | Advisor: Brandon Alderman
Autonomic and Behavioral Responses to the Emotional Stroop Task in Anxiety
Poster: 304 | PM (12:30 - 2:00) | STEM | Kinesiology and Health Sciences

Julia Burmistrova | Advisor: Beth Ravit
Interdisciplinary Redesign of Perth Amboy’s Shoreline to Increase Open Space and Coastal Resiliency
Poster: 271 | AM (10:30 - noon) | STEM | Environmental Science

Forrest Butensky | Advisor: Joachim Kohn
The Promotion of Angiogenesis on Biotinylated Scaffolds
Poster: 229 | AM (10:30 - noon) | STEM | Chemistry and Chemical Biology

Sooraz Bylipudi | Advisor: Kasia Bieszczad
Epigenetic Mechanisms Enhance Auditory Memory Formation in a Two-tone Discrimination Task
Poster: 406 | PM (12:30 - 2:00) | STEM | Psychology- Behavioral and Systems Neuroscience

Laura Byron | Advisor: Kim McKim
A Study of Chromosome Segregation and Cell Division by Looking at Kinesins
Poster: 283 | AM (10:30 - noon) | STEM | Genetics

John Calcitrai | Advisor: Erin Vogel
Creating a Conversion Factor between Two Primate Urine Storage Methodologies for Urea Analyses
Poster: 57 | AM (10:30 - noon) | Social Sciences | Anthropology

Deandrah Cameron | Advisor: Yolanda Martínez-San Miguel
The Work of Maria Josefa Canino
Poster: 26 | PM (12:30 - 2:00) | Humanities and the Arts | Latino & Hispanic Caribbean Studies

Luigi Camilli | Advisor: Eugene White
Ownership and Management of New York Banks 1887-1902
Poster: 74 | AM (10:30 - noon) | Social Sciences | Economics

Yichen Cao | Advisor: John Aiello
The Combined Effect of Electronic Performance Monitoring and Distraction on Task Performance
Poster: 113 | PM (12:30 – 2:00) | Social Sciences | Psychology- Social Psychology

Juan Cerezo | Advisor: Jeffrey Boyd
Screening the Library of FDA Approved Drugs for Inhibitors of Bacterial Iron-Sulfur Cluster Assembly
Poster: 138 | PM (12:30 - 2:00) | STEM | Biochemistry and Microbiology

Carol Chacon | Advisor: Kate Riley
Food (Inter)activism: Fixing the Food System One Small State(ment) at a Time
Poster: 59 | PM (12:30 - 2:00) | Social Sciences | Anthropology
Ashay Chandra | Advisor: Wilma Olson
Quantifying the Degree to which RNA Polymerase Unwinds the DNA Double Helix
Poster: 230 | PM (12:30 - 2:00) | STEM | Chemistry and Chemical Biology

Pei-Hsuan Chang | Advisor: Changlu Wang
Optimum Lure Release Method for Detecting and Trapping Bed Bugs
Poster: 269 | PM (12:30 - 2:00) | STEM | Entomology

Pranav Chaudhari | Advisor: Richard Martin
Function of Fusion Based Accelerometers in Detection of Device Tampering
Poster: 245 | PM (12:30 - 2:00) | STEM | Computer Science

Mahija Cheekati | Advisor: Haoran Zhang
Optimizing the Production of Hydroxycinnamoyl Shikimates Using an E. coli Co-Culture System
Poster: 214 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering

Bohong Chen | Advisor: Alexander Pichugin
World Languages at Rutgers: A Multimedia Web Project
Presentation Station: 37 | AM (10:30 - noon) | Humanities and the Arts | Germanic, Russian & E. European Lang & Lit

John Chen | Advisor: Michael Matise
The Role of Prdm8 in Neural Progenitor Cell Fate Specification
Poster: 360 | AM (10:30 - noon) | STEM | Neuroscience and Cell Biology- RWJMS

Megan Chen | Advisor: Nancy Woychik
Functional Analysis of Mycobacterium Tuberculosis VapC Toxins
Poster: 144 | AM (10:30 - noon) | STEM | Biochemistry and Molecular Biology- RWJ

Vivian Chen | Advisor: Mark West
Comparison in the Activity of Accumbens Neurons of Sign versus Goal Tracking Rats
Poster: 407 | PM (12:30 - 2:00) | STEM | Psychology- Behavioral and Systems Neuroscience

Yijia Chen | Advisor: Jie Gong
Explore and Quantify Hurricane Sandy Damage in a Virtual Environment
Poster: 240 | AM (10:30 - noon) | STEM | Civil and Environmental Engineering

Justin Cheng | Advisor: Jennifer Lynch
Interaction between Graphene Nanoflakes and Polymer Matrices
Poster: 321 | AM (10:30 - noon) | STEM | Materials Science and Engineering

Samuel Cheung | Advisor: Hai Pham
Deep Learning: Correlation between Speech and Facial Features
Poster: 246 | PM (12:30 - 2:00) | STEM | Computer Science

Wai-Kit Chia | Advisor: Monica Driscoll
Genetic Investigation of Lysosomal Inclusion in Vesicles Extruded from C. Elegans Neurons
Poster: 354 | PM (12:30 - 2:00) | STEM | Molecular Biology and Biochemistry
Rupesh Chinta | Advisor: Jingjin Yu
Investigating Interactions between Multiple Autonomous Robots
Poster: 247 | PM (12:30 - 2:00) | STEM | Computer Science

Jack Chiu | Advisor: Aaron Mazzeo
The Effects of Ethanol in Making Carbon Black Paper
Poster: 334 | PM (12:30 - 2:00) | STEM | Mechanical and Aerospace Engineering

Christina Cho | Advisor: Olga Jarrín
Do Monetary Penalties Incentivize Nursing Homes to Spend Money on Safe Staffing?
Poster: 371 | PM (12:30 - 2:00) | STEM | Nursing Science, School of Nursing

Daniel Choe | Advisor: William Craelius
Quantification of the Cranial Angle using CAM
Poster: 151 | AM (10:30 - noon) | STEM | Biomedical Engineering

Andrew Choliy | Advisor: Melike Baykal-Gursoy
Game Theory Research for Security Applications
Poster: 292 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering

Abhishek Chouthai | Advisor: Kiron Das
Curcumin, a Nutraceutical, Prevents Acid and Bile Induced Colonic Phenotype of Metaplasia in BAR-T c
Poster: 349 | AM (10:30 - noon) | STEM | Medicine-Gastroenterology- RWJ

Zachary Ciabattari | Advisor: Zhichao Hu
Rare Earth Recovery from Phosphate Fertilizer Production Waste
Poster: 322 | PM (12:30 - 2:00) | STEM | Materials Science and Engineering

Alexia Ciarfella | Advisor: Richard Ludescher
Characterization of Gelation Kinetics of Gelatin Using Fluorescence Spectroscopy
Poster: 274 | PM (12:30 - 2:00) | STEM | Food Science

Marcin Ciesla | Advisor: Lori White
Embryonic BPS and BPA Exposure Alters Lipid Deposition and Morphometric Endpoints in Danio Rerio
Poster: 139 | PM (12:30 - 2:00) | STEM | Biochemistry and Microbiology

Victoria Cilurzo | Advisor: John Aiello
The Combined Effect of Electronic Performance Monitoring and Distraction on Task Performance
Poster: 113 | PM (12:30 – 2:00) | Social Sciences | Psychology- Social Psychology

Vincent Clementi | Advisor: Elisabeth Sikes
Testing the Benthic Foraminiferal B/Ca Proxy in a Hydrothermal Vent Environment
Poster: 314 | AM (10:30 - noon) | STEM | Marine and Coastal Sciences

Carol Cofone | Advisor: Andrea Baldi
The Memory Palace at 84 College Avenue
Paper/Oral Presentation (May 3rd): | Session 1 (2 - 3:30pm) | Humanities and the Arts | Italian
Eden Cohen | Advisor: Beth Ravit
Interdisciplinary Redesign of Perth Amboy’s Shoreline to Increase Open Space and Coastal Resiliency
Poster: 271 | AM (10:30 - noon) | STEM | Environmental Science

Jake Coleman | Advisor: Paul Meers
Molecular Delivery Potential of Fusogenic Liposomes
Poster: 398 | PM (12:30 - 2:00) | STEM | Plant Biology and Pathology

Hailey Conrad | Advisor: Friedrich Knuth
Time Series Analysis of Hydrothermal Vent Growth, Flow Coloration, and Colony Changes
Poster: 315 | PM (12:30 - 2:00) | STEM | Marine and Coastal Sciences

Emily Conway | Advisor: Steven Handel
Urban vs. Rural Forests: Consequences for Seed and Early Recruitment Dynamics
Poster: 256 | AM (10:30 - noon) | STEM | Ecology, Evolution, and Natural Resources

Corinne Corbi | Advisor: Cynthia Koziol-White
Analyzing the Effects of Rhinovirus on Human Lung Tissue
Poster: 301 | PM (12:30 - 2:00) | STEM | Institute of Translation Medicine and Science

Melissa Coward | Advisor: Michael Toscani
Evaluating the Implementation of Interprofessional Education in Top Pharmacy School Curriculums
Poster: 391 | AM (10:30 - noon) | STEM | Pharmacy Practice and Administration

Megan Coyne | Advisor: Ruth Mandel
Hating Hillary: Portrayals and Perceptions of a Powerful Woman
Poster: 72 | AM (10:30 - noon) | Social Sciences | Eagleton Institute of Politics

Julian Daeumer | Advisor: Javier Cabrera
Identification of Hypertensive Patients Treated with Enalapril at High Risk of Developing Angioedema
Poster: 422 | PM (12:30 - 2:00) | STEM | Statistics

Evelyn Daly-Forseth | Advisor: Kyla Schuller
Dr. Mary Walker's Sex Advice Book to Men: Republishing a Groundbreaking and Forgotten Text
Presentation Station: 42 | AM (10:30 - noon) | Humanities and the Arts | Women's and Gender Studies

Genise Deal | Advisor: Abena Busia
Circumstantial Embodiments
Presentation Station: 44 | AM (10:30 - noon) | Humanities and the Arts | Women's and Gender Studies

Carly DeAntoneo | Advisor: William Belden
Bispecific Antibodies for Multiple Sclerosis Therapy
Poster: 134 | PM (12:30 - 2:00) | STEM | Animal Sciences

Alison Denning | Advisor: Deanna Gray-Miceli
I've Fallen and I Can Get Up
Poster: 372 | PM (12:30 - 2:00) | STEM | Nursing Science, School of Nursing
Saraswati Desai | Advisor: Jennifer Lynch  
Characterization of Continuous Carbon Fiber and PEEK Composite  
*Poster: 323 | PM (12:30 - 2:00) | STEM | Materials Science and Engineering*

Venkatesh Deshpande | Advisor: Jay Sy  
Using Nanoparticles to Deliver mRNA to Brain Cells  
*Poster: 174 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Megan Devlin | Advisor: Peggy Policastro  
Food Label Fake Out: Impact of Marketing Claims on Undergraduates’ Perceived Healthiness of Products  
*Poster: 377 | PM (12:30 - 2:00) | STEM | Nutritional Sciences*

Emma Diethorn | Advisor: Benjamin Samuels  
Resistance to Antidepressant Treatment in Mice Models  
*Poster: 408 | PM (12:30 - 2:00) | STEM | Psychology- Behavioral and Systems Neuroscience*

Michael DiLorenzo | Advisor: Jennifer Hoey  
Using Natural History Collections to Understand Climate Impacts on a Widespread Marine Fish  
*Poster: 257 | PM (12:30 - 2:00) | STEM | Ecology, Evolution, and Natural Resources*

Shweta Dipali | Advisor: Karen Schindler  
Determining the Molecular Basis for Differences in Binding Affinity of Human and Mouse Aurora Kinase  
*Poster: 284 | PM (12:30 - 2:00) | STEM | Genetics*

Blair Donner | Advisor: Richard Simmons  
Discovering Chinese through the Study of Dialects, Poetry, and the Writing System  
*Poster: 4 | AM (10:30 - noon) | Humanities and the Arts | Asian Languages and Cultures*

Sarah Donofrio | Advisor: Bonnie Firestein  
A Novel Presynaptic Role for Cypin in Hippocampal Neurons  
*Poster: 192 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience*

Michael Donzanti | Advisor: Prabhas Moghe  
Ratiometric Assessment of Intra-tumor Heterogeneity using Tumor Targeted SWIR Emitting Nanoprobes  
*Poster: 149 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Patrick Doran | Advisor: Shishir Chundawat  
Engineering CBMs for Increased Cellulase Activity  
*Poster: 216 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering*

Bright Dozie | Advisor: Renyi Wu  
Anti-Oxidative Effects of Sulforaphane and Fucoxanthin on HepG2-C8 Cells via Nrf2-ARE Pathway  
*Poster: 381 | AM (10:30 - noon) | STEM | Pharmaceutics*

Max DuBoff | Advisor: T. Corey Brennan  
The Papal Son Giacomo Boncompagni and Citizenship in Late Renaissance Rome  
*Poster: 6 | AM (10:30 - noon) | Humanities and the Arts | Classics*
Kai Durant | Advisor: Abena Busia  
Bridging the International and Intergenerational Gap: African Philanthropy across Borders  
*Presentation Station: 43 | PM (12:30 - 2:00) | Humanities and the Arts | Women's and Gender Studies*

Christopher Dziedziak | Advisor: Charles Dismukes  
Novel Catalysts for the Electrochemical Synthesis of Ammonia under Ambient Conditions  
*Poster: 231 | AM (10:30 - noon) | STEM | Chemistry and Chemical Biology*

Matthew Emerson | Advisor: Edward Castner  
Modeling the Nanosegregated Structure of Aprotic Ionic Liquid Mixtures  
*Poster: 232 | PM (12:30 – 2:00) | STEM | Chemistry and Chemical Biology*

Karen Encalada | Advisor: Liliana Sanchez  
Cross-Linguistic Influence in Spanish-English Bilingual Heritage Speakers  
*Poster: 32 | AM (10:30 - noon) | Humanities and the Arts | Spanish and Portuguese*

Felicia Eriksson | Advisor: Nuria Sagarra  
Guessing before Hearing: Using Lexical Stress to Predict Inflectional Morphology  
*Poster: 33 | PM (12:30 - 2:00) | Humanities and the Arts | Spanish and Portuguese*

David Estrin | Advisor: Mark West  
Nucleus Accumbens Tone-Evoked Activity During Cue-Induced Relapse of Chronic Cocaine Addiction  
*Poster: 409 | AM (10:30 - noon) | STEM | Psychology - Behavioral and Systems Neuroscience*

Misha Faerovitch | Advisor: Huizhou Fan  
Purification and Assembly of the Recombinant Chlamydial RNA Polymerase  
*Poster: 384 | AM (10:30 - noon) | STEM | Pharmacology - RWJMS*

Sara Faghani | Advisor: Paul Takhistov  
Functional Properties of Zein Protein films Impregnated with Essential Oils  
*Poster: 275 | PM (12:30 - 2:00) | STEM | Food Science*

Samantha Fagundez | Advisor: Michael Sukhdeo  
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David Lo | Advisor: Barth Grant  
Analyzing RAB-10 Effectors in the Intestinal Cells of C. elegans  
*Poster: 356 | PM (12:30 - 2:00) | STEM | Molecular Biology and Biochemistry*
Marco Lopez | Advisor: Mitsunori Denda
Design of a Four-Winged Ornithopter
*Poster: 340 | AM (10:30 - noon) | STEM | Mechanical and Aerospace Engineering*

Leah Losif | Advisor: Michael Hampsey
A Unique Approach to Identifying Novel Chemotherapeutic Targets
*Poster: 147 | PM (12:30 - 2:00) | STEM | Biochemistry and Molecular Biology - RWJ*

Kaiyue Lu | Advisor: Jie Gong
Smart and Connected Communities for People with Special Needs
*Poster: 244 | AM (10:30 - noon) | STEM | Civil and Environmental Engineering*

Alex Lubarsky | Advisor: Charles Dismukes
Carbon Dioxide Reduction Reaction Catalyst
*Poster: 235 | AM (10:30 - noon) | STEM | Chemistry and Chemical Biology*

Jie Lyu | Advisor: Weihong Guo
Statistical Method using Bayesian Inference in Clinical Trials
*Poster: 295 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering*

Brian Macdowall | Advisor: Jennifer Lynch
Characterization of Continuous Carbon Fiber and PEEK Composite
*Poster: 323 | PM (12:30 - 2:00) | STEM | Materials Science and Engineering*

Angela Maeng | Advisor: Patricia Buckendahl
The Role of Osteocalcin in Spinal Neural Function and Bone Mineralization After Hindlimb Disuse
*Poster: 211 | PM (12:30 - 2:00) | STEM | Center of Alcohol Studies*

Steven Magidenko | Advisor: Mehdi Javanmard
Anti-Leptin Binding onto Functionalized Gold Surface
*Poster: 266 | PM (12:30 - 2:00) | STEM | Electrical and Computer Engineering*

Shafali Mahidadia | Advisor: Kasia Bieszczad
Histone Modification Enables Song-specific Auditory Memories in an Avian Model
*Poster: 413 | PM (12:30 - 2:00) | STEM | Psychology- Behavioral and Systems Neuroscience*

Juilee Malavade | Advisor: David Shreiber
Forming Vascularized Channels for Perfusable Transport in Collagen Methacrylamide Hydrogels
*Poster: 158 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Anton Maliev | Advisor: Mubbasir Kapadia
Exploring the Limits of Interactivity in Gaming Narratives through Unity
*Poster: 250 | AM (10:30 - noon) | STEM | Computer Science*

Dana Manson | Advisor: Laurie Rudman
A Gender Biased Arena: Are Women Athletes Implicitly Penalized?
*Paper/Oral Presentation (May 3rd): | Session 2 (3:30 - 5pm) | Social Sciences | Psychology- Social Psychology & Intradisciplinary Health*
Raphaelle Marcial | Advisor: Dunbar Birnie
Rutgers Solar-to-Vehicle Project
Poster: 328 | AM (10:30 - noon) | STEM | Materials Science and Engineering

Shannon Mari | Advisor: Clark Chinn
PRACCIS: Promoting Reasoning and Conceptual Change in Science
Poster: 82 | AM (10:30 - noon) | Social Sciences | Education Psychology - GSE

Christopher Markosian | Advisor: Kenneth Irvine
Characterizing the Interaction Between α-Catenin and Ajuba LIM Protein
Paper/Oral Presentation (May 3rd): | Session 1 (2-3:30pm) | STEM | Molecular Biology and Biochemistry

Justin Marlowe | Advisor: George Tsilomelekis
Synthesis of Magnetic Iron Oxide Nanoparticles for Use as Catalyst Cores
Poster: 219 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering

Michael Masino | Advisor: Joseph Freeman
Characterizing a 3D In Vitro Model for Breast-Cancer-to-Bone Metastasis
Poster: 159 | AM (10:30 - noon) | STEM | Biomedical Engineering

Justin Mathew | Advisor: Kim McKim
The Role of C(2)M in Meiosis Specific Cohesin Complexes
Poster: 287 | AM (10:30 - noon) | STEM | Genetics

Marcelle Mathews | Advisor: Sanjib Bhuyan
An Examination of the Demand for Domestically Produced and Processed Ethnic Food in the United States
Poster: 53 | PM (12:30 - 2:00) | Social Sciences | Agricultural, Food, and Resource Economics

Jessica McDonald | Advisor: Yong Mao
Study of Selective Host Cell Infiltration to 3D Polymeric Scaffolds
Poster: 367 | PM (12:30 - 2:00) | STEM | New Jersey Center for Biomaterials

Lukas McHugh | Advisor: Steven Handel
Recovery of Critical Spring Flora After Severe Herbivory
Poster: 260 | AM (10:30 - noon) | STEM | Ecology, Evolution, and Natural Resources

Collin McManus | Advisor: Barth Grant
Investigating RME-8 Interactions in the Endocytic Retrograde Pathway of C. elegans via the Yeast Two
Poster: 357 | PM (12:30 - 2:00) | STEM | Molecular Biology and Biochemistry

GraceAnn McMillan | Advisor: Ashley Koning
Who is Likely to Vote? Identifying Likely Voters in the 2016 General Election
Poster: 66 | AM (10:30 - noon) | Social Sciences | Eagleton Center for Public Interest Polling

Shelby McMullan | Advisor: Nicola Behrmann
Male Fantasy 1816 to 1997: Murder, Suicide, and Castration
Paper/Oral Presentation (May 3rd): | Session 2 (3:30 - 5pm) | Humanities and the Arts | Germanic, Russian & E. European Lang & Lit
Jennifer Mead | Advisor: Barry Sopher
Thinking About Others' Thinking
Poster: 73 | AM (10:30 - noon) | Social Sciences | Economics

Katie Mehr | Advisor: Gretchen Chapman
Physician Conflict of Interest Disclosure: A Step Towards Improved Patient Decision Making?
Paper/Oral Presentation (May 3rd): Session 2 (3:30 - 5pm) | Social Sciences | Psychology - Social Psychology

Shivani Mehta | Advisor: Jeff Friedman
Dance and Parkinson’s: A Qualitative Study Based on Program Benefits
Poster: 9 | AM (10:30 - noon) | Humanities and the Arts | Dance

Oren Merhav | Advisor: Joachim Kohn
A Novel Treatment for Diabetic Nephropathy using the Targeted Administration of an Extracellular Matrix Inhibitor
Poster: 236 | PM (12:30 - 2:00) | STEM | Chemistry and Chemical Biology

Michael Millicker | Advisor: Paul Takhistov
3D Printing Technology for Personalized Medicine and Nutrition Applications
Poster: 280 | PM (12:30 - 2:00) | STEM | Food Science

Shao-Ting Min | Advisor: Timothy Otto
Immunofluorescence as an Alternative Method of Data Quantification
Poster: 414 | PM (12:30 - 2:00) | STEM | Psychology - Behavioral and Systems Neuroscience

Keana Mirmajlesi | Advisor: David Shreiber
Alleviating the Effects of Free Radicals Produced During Traumatic Brain Injuries
Poster: 160 | AM (10:30 - noon) | STEM | Biomedical Engineering

Anjali Modi | Advisor: Charles Dismukes
Cost Modeling for Photoelectrochemical Cells
Poster: 237 | AM (10:30 - noon) | STEM | Chemistry and Chemical Biology

Rochelle Mogilevsky | Advisor: Long-Jun Wu
Hypoosmotic Conditions Activate Volume Regulated Anion Channels in Microglia
Poster: 198 | PM (12:30 - 2:00) | STEM | Cell Biology and Neuroscience

Nisa Mohammed | Advisor: Jeffrey Boyd
Analyzing the Effect of Blue Light on the Survival of Propionibacterium Acnes
Poster: 142 | PM (12:30 - 2:00) | STEM | Biochemistry and Microbiology

Shweta Mohite | Advisor: Francis Barchi
How Are Views of the Obligations of Scientists Shaped By Research Experiences?
Poster: 125 | PM (12:30 - 2:00) | Social Sciences | School of Social Work

Morgan Mohlmann | Advisor: Judith Harrison
The Effectiveness of Teaching Methods in ADHD Classrooms
Poster: 81 | AM (10:30 - noon) | Social Sciences | Education Psychology - GSE
Anastasiya Moiseyenko | Advisor: George Wagner
Quantifying Neurochemical Damage via ROS in Aging Nrf2 KO Mice- An Alzheimer's Model
*Poster: 415 | PM (12:30 - 2:00) | STEM | Psychology- Behavioral and Systems Neuroscience*

Enovi Molina-Chevez | Advisor: Carlos Decena
Advocacy in the Dominican Republic: Progressive Social Movement Against Sex Trafficking
*Poster: 27 | PM (12:30 - 2:00) | Humanities and the Arts | Latino & Hispanic Caribbean Studies*

Devin Mollegard | Advisor: Debashish Bhattacharya
Single Cell Isolation Methods Offer Greater Insight into Passion Puddle's Biodiversity
*Poster: 261 | AM (10:30 - noon) | STEM | Ecology, Evolution, and Natural Resources*

Nathan Morgenstern | Advisor: Dunbar Birnie
Rutgers Solar-to-Vehicle Project
*Poster: 328 | AM (10:30 - noon) | STEM | Materials Science and Engineering*

Likhitha Musku | Advisor: Nada Boustany
High Throughput Cell State Analyzer
*Poster: 168 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Elizabeth Nand | Advisor: Monica Roth
Structural Studies of Murine Leukemia Virus Integrase Protein
*Poster: 388 | PM (12:30 - 2:00) | STEM | Pharmacology- RWJMS*

Sravani Nanduri | Advisor: Patricia Buckendahl
Effect of BMP2 Mutation on Calcification of Mice Hearts and Aortas
*Poster: 212 | AM (10:30 - noon) | STEM | Center of Alcohol Studies*

Neha Narayanan | Advisor: Mimi Phan
The Effect of Statins on Auditory Memory and Imitative Learning
*Poster: 403 | PM (12:30 - 2:00) | STEM | Psychology*

Daniel Naumenko | Advisor: Erin Vogel
Linking Oxidative Stress to Dietary Ecology in Wild Bornean Orangutans (Pongo pygmaeus wurmbii)
*Paper/Oral Presentation (May 3rd): | Session 1 (2 - 3:30pm) | Social Sciences | Anthropology*

Anna Nemeckova-Gulack | Advisor: James Walkup
Intersections of Gay Liberation and Psychotherapy
*Poster: 106 | PM (12:30 - 2:00) | Social Sciences | Psychology- Clinical*

Lamar Nero | Advisor: Edward Selby
Exposure to Primary Data Collection in a Clinical Psychology Lab Collecting Biometric Feedback
*Poster: 107 | PM (12:30 - 2:00) | Social Sciences | Psychology- Clinical*

Kelly Nguyen | Advisor: Kang Li
A Systematic Review: Identification of Heart Failure and Readmission Rates
*Poster: 296 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering*
Harry Nicolaou | Advisor: Melissa Gasparotto
Latin American Open Access Ebook Discoverability and Text Mining Applications
Poster: 2 | AM (10:30 - noon) | Humanities and the Arts | Alexander Library

Kunal Nijhawan | Advisor: Kate Riley
Food (Inter)activism: Fixing the Food System One Small State(ment) at a Time
Poster: 59 | PM (12:30 - 2:00) | Social Sciences | Anthropology

Neel Nirgudkar | Advisor: Rick Cohen
In-Vitro Differentiation of Pluripotent Stem Cells to Cardiovascular Progenitors and Cardiomyocytes
Poster: 161 | AM (10:30 - noon) | STEM | Biomedical Engineering

Chiara Nodari | Advisor: Mona Krook
Gender and Committee Membership in the French National Assembly
Poster: 100 | AM (10:30 - noon) | Social Sciences | Political Science

Connor O’Brien | Advisor: Kristoffer Shields
Politics Is Local: Regional Differences in State and National Political Parties
Poster: 70 | AM (10:30 - noon) | Social Sciences | Eagleton Institute of Politics

Shayna O’Connor | Advisor: Gary Aston-Jones
Orexin Regulation of Motivation in Cocaine Seeking Rats
Poster: 180 | PM (12:30 - 2:00) | STEM | Brain Health Institute

Shannon O’Mara | Advisor: Steven Handel
Population Ecology of the Spring Ephemeral Wildflower Mayapple in the Hutcheson Memorial Forest
Poster: 262 | AM (10:30 - noon) | STEM | Ecology, Evolution, and Natural Resources

Jessica Ortiz | Advisor: Marc Steinberg
Therapy Aimed at Increasing Task Persistence to Help Smokers with Schizophrenia
Poster: 401 | AM (10:30 - noon) | STEM | Psychiatry - RWJMS

Janelle Overton | Advisor: Nuria Sagarra
Guessing Before Hearing: Using Lexical Stress to Predict Inflectional Morphology
Poster: 33 | PM (12:30 - 2:00) | Humanities and the Arts | Spanish and Portuguese

Nicholas Page | Advisor: Mladen-Roko Rasin
The Cell Type Specific Effects of RNA Binding Protein HuD on Neocortical Projection Neuron Identity
Poster: 199 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience

Namrata Pandya | Advisor: Daniel Goldstein
The Working Conditions of Undocumented Immigrants: Work Accidents and Wage Theft
Poster: 60 | AM (10:30 - noon) | Social Sciences | Anthropology

Shivang Pandya | Advisor: Sarolta Takács
Borders, Caravans, and Empire
Presentation Station: 38 | PM (12:30 - 2:00) | Humanities and the Arts | History
Vidish Pandya | Advisor: Ping Xie
Investigating the Interaction between TRAF3 and its Novel Signaling Partner PPP2CA
*Poster: 200 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience*

Adam Panish | Advisor: Eric Davis
An Analysis of Radical Politics Among American Youth
*Poster: 101 | PM (12:30 - 2:00) | Social Sciences | Political Science*

Miloni Parekh | Advisor: Alice Liu
How Does the Upregulation of HSP Chaperones Modulate the Misfolding and Aggregation of Mutant Htt?
*Poster: 202 | PM (12:30 - 2:00) | STEM | Cell Biology and Neuroscience*

Shveta Parekh | Advisor: George Wagner
Effect of Early Exposure to Valproic Acid on Amphetamine-Induced Dopaminergic Toxicity in Mice
*Poster: 416 | AM (10:30 - noon) | STEM | Psychology- Behavioral and Systems Neuroscience*

Yesha Parekh | Advisor: Qian Cai
Mechanism of Mitochondrial Quality Control in the Tauopathy of Alzheimer’s Disease
*Poster: 201 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience*

Celine Park | Advisor: Marianthi Ierapetritou
Modeling of Pharmaceutical Processes: From Raw Materials to Tablets
*Poster: 220 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering*

Amit Patel | Advisor: Georgios Tsilomelekis
Speciation of AlCl3, CrCl3 and SnCl4 in Water
*Poster: 221 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering*

Anjani Patel | Advisor: Mladen-Roko Rasin
The Effect of HuR on Neocortical Neuronal Differentiation
*Poster: 203 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience*

Hridayi Patel | Advisor: Mark Pierce
Development of a Tissue Simulating Phantom for Optimizing Deep Tissue Imaging
*Poster: 162 | PM (12:30 - 2:00) | STEM | Biomedical Engineering*

Khush Patel | Advisor: Davide Comoletti
Determination of Unknown Binding Ligands with Neuroligin 2
*Poster: 362 | AM (10:30 - noon) | STEM | Neuroscience and Cell Biology- RWJMS*

Kishan Patel | Advisor: Ronke Olabisi
Cellular Mineralization of Bone Nucleating Proteins onto Poly(ethylene glycol) Hydrogels
*Poster: 163 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Neel Patel | Advisor: Deanna Gray-Miceli
Mobile Technology for Training and Assessing Balance of Elders: Phase II
*Poster: 374 | AM (10:30 - noon) | STEM | Nursing Science, School of Nursing*
Nikunj Patel | Advisor: Kim McKim
Exploring C(2)M and its Ability to Regulate the Synaptonemal Complex in Drosophila Melanogaster
Poster: 288 | AM (10:30 - noon) | STEM | Genetics

Nirali Patel | Advisor: Li Cai
Computational Analysis of Neural Stem Cells
Poster: 164 | PM (12:30 - 2:00) | STEM | Biomedical Engineering

Parth Patel | Advisor: Michael Hampsey
A Unique Approach to Identifying Novel Chemotherapeutic Targets
Poster: 147 | PM (12:30 - 2:00) | STEM | Biochemistry and Molecular Biology- RWJ

Priyanka Patel | Advisor: Martin Schwander
The Role of the Gsdermin Gene Family in Hearing Loss
Poster: 209 | PM (12:30 - 2:00) | STEM | Cell Biology and Neuroscience

Rahul Patel | Advisor: Federico Sesti
Cytoskeletal Modulation during Oxidative and Thermal Stress
Paper/Oral Presentation (May 3rd): | Session 2 (3:30 - 5pm) | STEM | Neuroscience and Cell Biology- RWJMS

Riddhi Patel | Advisor: David Crockett
Histone Deacetylases and Microgliosis and Astrogliosis following Traumatic Brain Injury
Poster: 361 | PM (12:30 - 2:00) | STEM | Neuroscience and Cell Biology- RWJMS

Rutvi Patel | Advisor: Clark Chinn
PRACCIS: Promoting Reasoning and Conceptual Change in Science
Poster: 82 | AM (10:30 - noon) | Social Sciences | Education Psychology - GSE

Shivani Patel | Advisor: Kristen Zgoba
Relationship Between Psychopathy, Incarceration Length, and Recidivism in a Sample of Sex Offenders
Poster: 65 | AM (10:30 - noon) | Social Sciences | Criminal Justice

Shriya Patel | Advisor: Marc Gartenberg
Testing the Presence of Multiple MS2 Sites in Constructed Yeast Strains
Poster: 146 | PM (12:30 - 2:00) | STEM | Biochemistry and Molecular Biology- RWJ

Tymil Patterson | Advisor: Joseph Freeman
Composite Scaffolds For Bone Tissue Engineering
Poster: 165 | PM (12:30 - 2:00) | STEM | Biomedical Engineering

Meenal Paul | Advisor: David Crockett
In vivo Analysis of Microglia Inflammation
Paper/Oral Presentation (May 3rd): | Session 2 (3:30 - 5pm) | STEM | Neuroscience and Cell Biology- RWJMS

Caroline Paz | Advisor: Lori Covey
The Functional Role of Polypyrimidine Tract-Binding Protein (PTB) Isoforms Role in CD40L mRNA Post-Transcriptional Regulation
Poster: 204 | AM (10:30 - noon) | STEM | Cell Biology and Neuroscience
Amalia Pedersen | Advisor: Alexander Pichugin
Using the Grammar-Translation Method to Improve German Language Acquisition
Poster: 16 | AM (10:30 - noon) | Humanities and the Arts | Germanic, Russian & E. European Lang & Lit

Sandra Pelka | Advisor: Prabhas Moghe
Optimization of Osteogenic Differentiation in Mesenchymal Stem Cells Using Epigenetic Modulations
Poster: 166 | AM (10:30 - noon) | STEM | Biomedical Engineering

Kevin Peng | Advisor: Hannah Bowrey
The Role of Melanopsin-Based Information Processing on Mood
Poster: 181 | PM (12:30 - 2:00) | STEM | Brain Health Institute

Julissa Peralta | Advisor: Kathleen Lopez
The Role of Multicultural Sororities and Fraternities in Educational and Emotional Development
Poster: 28 | PM (12:30 - 2:00) | Humanities and the Arts | Latino & Hispanic Caribbean Studies

Robert Perez, Jr. | Advisor: Martin Gliserman
Post-Traumatic Memory Processing in Three Contemporary Novels
Poster: 14 | AM (10:30 - noon) | Humanities and the Arts | English

Joseph Perona | Advisor: Masanori Hara
Synthesis of Inorganic Polymers through the Addition of Ions and Plasticizer to Silica
Poster: 222 | PM (12:30 - 2:00) | STEM | Chemical and Biochemical Engineering

Jane Peterken | Advisor: Husam Najm
Experimental Testing of Pervious Concrete
Poster: 243 | AM (10:30 - noon) | STEM | Civil and Environmental Engineering

Briana Peters | Advisor: Ashley Koning
Polling 2016: An Exploration of Survey Mode Effects to Explain What Went Wrong and Possible Remedies
Poster: 67 | AM (10:30 - noon) | Social Sciences | Eagleton Center for Public Interest Polling

Anh Pham | Advisor: Pamela McElwee
Climate Change Adaptation Project Database for Vietnam
Poster: 86 | AM (10:30 - noon) | Social Sciences | Human Ecology

Delfina Picchio | Advisor: Liliana Sanchez
Cross-Linguistic Influence in Spanish-English Bilingual Heritage Speakers
Poster: 32 | AM (10:30 - noon) | Humanities and the Arts | Spanish and Portuguese

Florence Pierre | Advisor: Laurie Lewis
Volunteering Memorable Messages
Poster: 63 | PM (12:30 - 2:00) | Social Sciences | Communication

Salvatore Pierro | Advisor: Alessandro Vettori
The Fall of the House of Medici
Poster: 20 | AM (10:30 - noon) | Humanities and the Arts | Italian
Joshua Pomerantz | Advisor: Weihong Guo
Statistical Quality Control of 3D Woven Microfiber Trajectories
*Poster: 297 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering*

Emily Pooley | Advisor: Jie Gong
Smart and Connected Communities for People with Special Needs
*Poster: 244 | AM (10:30 - noon) | STEM | Civil and Environmental Engineering*

Kristina Poon | Advisor: Richard Simmons
Discovering Chinese Through the Study of Dialects, Poetry, and the Writing System
*Poster: 4 | AM (10:30 - noon) | Humanities and the Arts | Asian Languages and Cultures*

Mackenzie Purdy | Advisor: Jeffrey Boyd
Effect of Blue Light on Propionibacterium Acnes
*Poster: 143 | AM (10:30 - noon) | STEM | Biochemistry and Microbiology*

Yuting Qiao | Advisor: Kang Li
Automated Organ/Tissue Extraction for Large-scale MR Knee Osteoarthritis Analysis
*Poster: 298 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering*

Nick Quinn | Advisor: Kristoffer Shields
Two Governors’ Support and Contributions to the Modern Environmental Movement
*Poster: 71 | AM (10:30 - noon) | Social Sciences | Eagleton Institute of Politics*

Wanda Quintanilla Duran | Advisor: Ulla Berg
Honduran Migrants in South Jersey
*Paper/Oral Presentation (May 3rd): | Session 2 (3:30 - 5pm) | Humanities and the Arts | Latino & Hispanic Caribbean Studies*

Sayeeda Rab | Advisor: Louis Matzel
Heritability of General Cognitive Abilities in Mice Under an Enriched Environment
*Poster: 417 | PM (12:30 - 2:00) | STEM | Psychology - Behavioral and Systems Neuroscience*

Charles Rabolli | Advisor: Francois Berthiaume
The Development of a tvNK1-elastin-like-peptide Fusion Protein for Cardiac Fibrosis Mitigation
*Poster: 167 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Michael Rallo | Advisor: Michael Matise
Blood Brain Barrier Maintenance and Disruption Following Injury is Mediated by Gli1+ Cells
*Poster: 363 | PM (12:30 - 2:00) | STEM | Neuroscience and Cell Biology - RWJMS*

Prashasthi Ramesh | Advisor: Ping Xie
Characterization of Aging Myeloid Cell TRAF3 Deficient Mice
*Paper/Oral Presentation (May 3rd): | Session 1 (2 - 3:30pm) | STEM | Cell Biology and Neuroscience*

Sam Rapp | Advisor: Laurie Lewis
Volunteering Memorable Messages
*Poster: 63 | PM (12:30 - 2:00) | Social Sciences | Communication*
Sreshta Ravikumar | Advisor: Rong Di
Gene Editing of Creeping Bentgrass to Improve Stress Tolerance and Disease Resistance
Poster: 399 | PM (12:30 - 2:00) | STEM | Plant Biology and Pathology

Janelle Raymundo | Advisor: Arnold Glass
Distributed Questioning: Effect of Reading Comprehension vs. Retrieval Questions on Exam Performance
Poster: 111 | AM (10:30 - noon) | Social Sciences | Psychology - Cognitive Psychology

Domenic Recchione | Advisor: Clark Chinn
Promoting Reasoning and Conceptual Change in Science
Poster: 80 | PM (12:30 - 2:00) | Social Sciences | Education Psychology - GSE

Matthew Richtmyer | Advisor: Nada Boustany
High Throughput Cell State Analyzer
Poster: 168 | AM (10:30 - noon) | STEM | Biomedical Engineering

Amanda Rivera | Advisor: Kathleen Lopez
Luchando por Nuestros Hermanos: Prison Reform, Service Learning, and Puerto Rican Studies at Rutgers
Presentation Station: 40 | AM (10:30 - noon) | Humanities and the Arts | Latino & Hispanic Caribbean Studies

Jo-Ana Rivera | Advisor: Andrea Baldi
Walking Through Italian Literature and Film
Poster: 22 | PM (12:30 - 2:00) | Humanities and the Arts | Italian

Anza Rizvi | Advisor: Maureen Barr
Investigating Molecules that Genetically Interact with tba-6
Poster: 289 | AM (10:30 - noon) | STEM | Genetics

Fatima Rizvi | Advisor: Maureen Barr
Deducing the Role of tat-6 in Extracellular Vesicle Function and Biology
Poster: 290 | PM (12:30 - 2:00) | STEM | Genetics

Daniel Robinson | Advisor: Shana Cole
Visual Processing and Self-control
Poster: 117 | AM (10:30 - noon) | Social Sciences | Psychology - Social Psychology

Francisco Rodriguez | Advisor: Alexander Pichugin
Using the Grammar-Translation Method to Improve German Language Acquisition
Poster: 16 | AM (10:30 - noon) | Humanities and the Arts | Germanic, Russian & E. European Lang & Lit

Janisha Rodriguez | Advisor: Kathleen Pottick
Patterns of Sociological Disparities in Medication and Treatment Receipt Among Youth
Poster: 126 | PM (12:30 - 2:00) | Social Sciences | School of Social Work

Rachel Rodriguez | Advisor: Pamela McElwee
Advancing Conservation in a Social Context
Poster: 87 | AM (10:30 - noon) | Social Sciences | Human Ecology
Luis Rodriguez-Mendoza | Advisor: Hugh Roarty
Evaluating Algorithm Software for Tsunami Detection
*Poster: 318 | PM (12:30 - 2:00) | STEM | Marine and Coastal Sciences*

Julie Rombom | Advisor: Melike Gursoy
Impact of Transportation Incidents on Travel Conditions
*Poster: 299 | PM (12:30 - 2:00) | STEM | Industrial and Systems Engineering*

Sivan Rosenthal | Advisor: Toby Jones
Unearthing the Past, Burying the Future: How the City of David Supports Israeli Expansionism
*Poster: 19 | AM (10:30 - noon) | Humanities and the Arts | History*

Jane Rothrock | Advisor: Mark West
Brain Activity and Affective Behavior during Cocaine Self-Administration
*Poster: 418 | PM (12:30 - 2:00) | STEM | Psychology- Behavioral and Systems Neuroscience*

Stephen Rudzinski | Advisor: Judith Harrison
Meta-Analysis of Classroom-Based Services for Youth with ADHD
*Poster: 83 | AM (10:30 - noon) | Social Sciences | Education Psychology - GSE*

Pranav Sabanayagam | Advisor: Mitsunori Denda
Design of a Four-Winged Ornithopter
*Poster: 340 | AM (10:30 - noon) | STEM | Mechanical and Aerospace Engineering*

Shahzaib Safi | Advisor: Eugene White
Ownership and Management of New York Banks 1887-1902
*Poster: 74 | AM (10:30 - noon) | Social Sciences | Economics*

Asthा Saini | Advisor: Rick Cohen
Does CDNФ Increase the Ability of FPNE Cells to Develop into Dopaminergic Neurons?
*Poster: 169 | PM (12:30 - 2:00) | STEM | Biomedical Engineering*

Ahmed Sakar | Advisor: William Craelian
Quantification of the Cranial Angle using CAM
*Poster: 151 | AM (10:30 - noon) | STEM | Biomedical Engineering*

Mohammed Salem | Advisor: Mehdi Javanmard
Monitoring dGTP Levels by Measuring Oxidation Peaks
*Poster: 267 | PM (12:30 - 2:00) | STEM | Electrical and Computer Engineering*

Rubia Salman | Advisor: George Carman
Western Blot Analysis of the Nem1-Spo7 Protein Phosphatase Complex from Yeast
*Poster: 281 | AM (10:30 - noon) | STEM | Food Science*

Emily Salowe | Advisor: Kristen Zgoba
Relationship Between Psychopathy, Incarceration Length, and Recidivism in a Sample of Sex Offenders
*Poster: 65 | AM (10:30 - noon) | Social Sciences | Criminal Justice*
Sarah Salter | Advisor: Rene Schloss
Alginate Encapsulated Mesenchymal Stem Cells for the Treatment of Osteoarthritis
Poster: 170 | AM (10:30 - noon) | STEM | Biomedical Engineering

Sophia Samuel | Advisor: Ruth Mandel
Hating Hillary: Portrayals and Perceptions of a Powerful Woman
Poster: 72 | AM (10:30 - noon) | Social Sciences | Eagleton Institute of Politics

Kaitlyn San Miguel | Advisor: Nirav Patel
Location of School Districts and Impact of Gender Ratios on Student Group Success
Poster: 78 | AM (10:30 - noon) | Social Sciences | Education- Honors College

Cassandra Sanchez | Advisor: Alissa Lange
The Relationship Between Preschool Teachers' Attitudes and Beliefs and Teacher Learning
Poster: 95 | PM (12:30 - 2:00) | Social Sciences | National Institute for Early Education Research (NIEER)

Cristina Sanchez | Advisor: Elisabeth Camp
Philosophy of Imagination: An Analysis of Theoretical Frameworks of Mindreading
Poster: 31 | AM (10:30 - noon) | Humanities and the Arts | Philosophy

Melizza Sanchez | Advisor: Gretchen Chapman
The Effect of Zika on Emotions and Donation
Poster: 118 | AM (10:30 - noon) | Social Sciences | Psychology- Social Psychology

Charly Santagado | Advisor: Martin Gliserman
Reading Squared: Tracing “Mind” Through Orwell’s 1984
Poster: 15 | AM (10:30 - noon) | Humanities and the Arts | English

Christina Santostefano | Advisor: Judith Storch
Beta-Cyclodextrin Polymers as Potential Therapeutics for Niemann Pick C Disease
Poster: 379 | PM (12:30 - 2:00) | STEM | Nutritional Sciences

Sapna Sanyal | Advisor: Rene Schloss
Encapsulation of Mesenchymal Stem Cells in Alginate for the Treatment of Osteoarthritis
Poster: 171 | AM (10:30 - noon) | STEM | Biomedical Engineering

Lyra Germaine Saranglao | Advisor: Husam Najm
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Poster: 56 | PM (12:30 - 2:00) | Social Sciences | Agricultural, Food, and Resource Economics

Zheyu Zhang | Advisor: Shishir Chundawat
Understanding the Effect of Protein Surface Charge Density on Adsorption to Oxidized Cellulose
Poster: 227 | AM (10:30 - noon) | STEM | Chemical and Biochemical Engineering

Annie Zheng | Advisor: Mark Killingsworth
Pay of Public University Presidents: How Much is Enough?
Poster: 76 | PM (12:30 - 2:00) | Social Sciences | Economics

Cynthia Zheng | Advisor: Janet Alder
The Effect of BDNF Genetic Polymorphisms on Recovery After Traumatic Brain Injury
Poster: 365 | PM (12:30 - 2:00) | STEM | Neuroscience and Cell Biology - RWJMS
Denny Zheng | Advisor: Mitsunori Denda
Design of a Four-Winged Ornithopter
Poster: 340 | AM (10:30 - noon) | STEM | Mechanical and Aerospace Engineering

Bojun Zhou | Advisor: Sunil Somalwar
Search for Neutrino Mass Mechanism at the Large Hadron Collider
Poster: 397 | AM (10:30 - noon) | STEM | Physics and Astronomy

Carolyn Zhu | Advisor: Michael Toscani
Evaluating the Implementation of Interprofessional Education in Top Pharmacy School Curriculums
Poster: 391 | AM (10:30 - noon) | STEM | Pharmacy Practice and Administration

Eric Zhu | Advisor: Michael Shakarjain
The Role of Cell Migration and Chymase in Mustard Vesicant Induced Skin Blistering
Poster: 348 | PM (12:30 - 2:00) | STEM | Medicine- Division of Pulmonary and Critical Care-UMDNJ

Wenxin Zhu | Advisor: Huaye Zhang
The Role of Par1 in Regulating Microglia Phagocytosis Developmentally
Poster: 366 | PM (12:30 - 2:00) | STEM | Neuroscience and Cell Biology- RWJMS

Kenenth Zong | Advisor: Alexander Neimark
Application Of Carbon Nanotubes/Metal Oxide Nanocatalyst Loaded Polyelectrolyte Films For CWA Sensors
Poster: 228 | PM (12:30 - 2:00) | STEM | Chemical and Biochemical Engineering
SESSION 1 PANEL PRESENTATIONS
2pm-3:30pm

Room 202A | Humanities & Social Sciences Panel 1

Room 202B | Social Sciences Panel 2

Room 202C | STEM Panel 3

SESSION 2 PANEL PRESENTATIONS
3:30-5pm

Room 202A | Humanities & Social Sciences Panel 4

Room 202B | STEM Panel 5

Room 202C | STEM Panel 6
PANEL PRESENTATIONS | 2-3:30pm

Humanities & Social Sciences Panel 1
Room 201A | 2pm-3:30pm

Carol Cofone | Advisor: Andrea Baldi | Italian
The Memory Palace at 84 College Avenue

Ambika Kumaran | Advisor: Francis Barchi | School of Social Work
Healthy Smiles For The Global Soul: Behavioral Effects on Periodontal Disease Prevalence and Prevention

Patrick Travens | Advisor: Jennifer Jones | History
The Ormée of Bordeaux: Popular Politics and Urban Revolt during the Fronde

Meryem Uzumcu | Advisor: Maya Mikdashi | Women's and Gender Studies
Protest as Ritual in the Gezi Park

Social Sciences Panel 2
Room 201B | 2pm-3:30pm

Anna Goldin | Advisor: Kristen Syrett | Linguistics and Cognitive Science
I Suppose that I Presuppose: An Experimental Study of Factors Affecting Presupposition Projection

Daniel Naumenko | Advisor: Erin Vogel | Anthropology
Linking Oxidative Stress to Dietary Ecology in Wild Bornean Orangutans (Pongo pygmaeus wurmbii)

Laura Simon-Pearson | Advisor: Kristen Syrett | Linguistics and Cognitive Science
How Children and Adults Assess Truth Values and Speaker Knowledge

Lani Wyman | Advisor: Craig Feibel | Anthropology and Geology
Ancient Middle Stone Age Climates in NW Ethiopia as Revealed by Stable Isotopic Sclerochronology
STEM Panel 3  
Room 202C  |  2pm-3:30pm

Christopher Markosian | Advisor: Kenneth Irvine | Molecular Biology and Biochemistry  
Characterizing the Interaction Between α-Catenin and Ajuba LIM Protein

Prashasthi Ramesh | Advisor: Ping Xie | Cell Biology and Neuroscience  
Characterization of Aging Myeloid Cell TRAF3 Deficient Mice

Michael Vetick | Advisor: Paul Copeland | Molecular Biology and Biochemistry  
Novel Function of SECIS Binding Protein 2 that furthers Understanding of Selenium Biology

Divya Yetukuri | Advisor: Justin Drake | Cancer Institute of New Jersey  
Knockdown of RET Kinase using RNA Interference in Prostate Cancer Cells

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PANEL PRESENTATIONS | 3:30 – 5pm

Humanities & Social Sciences Panel 4  
Room 202A | 3:30pm-5pm

Dana Manson | Advisor: Laurie Rudman | Psychology- Social Psychology & Intradisciplinary Health  
A Gender Biased Arena: Are Women Athletes Implicitly Penalized?

Shelby McMullan | Advisor: Nicola Behrmann | Germanic, Russian & E. European Lang & Lit  
Male Fantasy 1816 to 1997: Murder, Suicide, and Castration

Katie Mehr | Advisor: Gretchen Chapman | Psychology- Social Psychology  
Physician Conflict of Interest Disclosure: A Step Towards Improved Patient Decision Making?

Wanda Quintanilla Duran | Advisor: Ulla Berg | Latino & Hispanic Caribbean Studies  
Honduran Migrants in South Jersey
STEM Panel 5  
Room 202B | 3:30pm-5pm

**Trevor Alston** | Advisor: David Shreiber | Biomedical Engineering  
Assessing the Reactivity of PEGDA

**Timothy Goetjen** | Advisor: Charles Dismukes | Chemistry and Chemical Biology  
Copper Phosphide as a CO2 Reduction Catalyst

**Rahul Patel** | Advisor: Federico Sesti | Cell Biology and Neuroscience  
Cytoskeletal Modulation during Oxidative and Thermal Stress

STEM Panel 6  
Room 202C | 3:30pm-5pm

**Samuel Klein** | Advisor: Mark West | Psychology- Behavioral and Systems Neuroscience  
The Role of Affective States on Drug Taking and Relapse Behavior in Rats Self-Administering Cocaine

**Meenal Paul** | Advisor: David Crockett | Cell Biology and Neuroscience  
In vivo Analysis of Microglia Inflammation

**Christine Yen** | Advisor: Kasia Bieszczad | Psychology- Behavioral and Systems Neuroscience  
Epigenetic Modulation of Memory for Auditory-Cued Reward Extinction by Auditory Cortical Plasticity
This event has been made possible by the generosity of Jerome and Lorraine Aresty and the support of the Office of Undergraduate Academic Affairs.