

The annual College of Arts and Sciences student research conference, now in its 26th year and funded in part by a generous grant from AU trustee and alumna Robyn Rafferty Mathias, provides a forum for College undergraduate and graduate students to present original scholarly and creative works before colleagues, faculty, and friends.

Conference Schedule

MORNING POSTER SESSION: 9:30–11:30 AM

ROTUNDA

SESSION ONE: 9:00–10:30 AM

Identity, Justice, and Interpretation	KATZEN 112
World Language, Film, Fashion, and Change	KATZEN 115
Health, Disease, and Biodiversity	KATZEN 123
History in a Changing World	KATZEN 128
Economics of Growth and Collapse	KATZEN 151

BREAK: 10:30–10:45 AM

SESSION TWO: 10:45 AM–12:15 PM

Literature of the Mind, Body, and Identity	KATZEN 112
The Power of Science and Math	KATZEN 115
American Transformations	KATZEN 123
Stress, Families, Societies, and Advocacy	KATZEN 128

LUNCHEON: 12:30–1:30 PM

AFTERNOON POSTER SESSION: 2:30–4:30 PM

ROTUNDA

SESSION THREE: 1:45–3:15 PM

Imagination and Identity in Film and TV	KATZEN 112
Forms and Representations in Art	KATZEN 115
Challenges to Health	KATZEN 123
Sounds and Visions	KATZEN 128
Performances	KATZEN 154

SESSION FOUR: 3:30–5:00 PM

Russians, Cold War, and Chernobyl	KATZEN 112
Theater, Dance, Space, and the Numbers	KATZEN 115
Morality, Compassion, Aggression, and Trauma	KATZEN 123
Power, Perceptions, and Status	KATZEN 128
Empowerment, Race, Violence, and Right Wing Politics	KATZEN 151

SESSION ONE (9:00-10:30 AM)

Identity, Justice, and Interpretation

Did We Read the Same Book?: Examining the Individual Experience of Reading

Jody Lanza-Gregory, Junior/Senior, Literature

Symbolism in the Literature of W.B. Yeats

Elizabeth Maguire, Junior/Senior, Literature

Destructing the Self in Liminal Landscapes

Kate McMahon, Junior/Senior, Literature

Justification of Anger: The Black body

Alexis Oriakhi, Junior/Senior, Literature

The Magic of Identity

Kate Porter, Junior/Senior, Literature

The Best of Intentions: Challenging our dominant narrative about volunteering

Kim Truong, Junior/Senior, Public Health

World Language, Film, Fashion, and Change

The Repetition of History: The Pattern of Radicalism in Latin America and the Middle East

Saira Bhatti, MA Candidate, Latin American Studies and Spanish

Stratified Sampling of Dual Language Immersion (DLI) Programs Within the United States

Ayesha Ferdouse, MA Candidate, International Training and Education

(Implications of) Re-entry Experiences of Jamaicans Seeking Employment After Studying Overseas

Kwame Gayle, MA Candidate, International Training and Education

Vietnamese Film and its Presentation of War, Gender, and Inequality

Adena Maier, Junior, International Studies

Fashion as a Form of Resistance

Shannon L. Staley, Senior, International Studies

SESSION ONE (9:00-10:30 AM)

Tomemos la Universidad: Students, Social Change, and the Making of a Popular Myth in Chile

Alexandra Vranas, Graduate Student, MA: Spanish, Latin American Studies

Health, Disease, and Biodiversity

Therapeutics and Prevention of Dengue Fever

Jessica Dawson, Senior, Biology

The foraminiferan *Baculogypsina sphaerulata* as an Indicator of Coral Reef Health in Guam

John Doherty, MS Candidate, Environmental Science

The Integration of External and Internal Cues in Energy and Body Weight Regulation

Sabrina Jones, PhD Candidate, Behavior, Cognition, and Neuroscience

Investigating the physio-chemical niche of obligate subterranean amphipods in shallow subterranean waters of the DC metro area

Jenna Keany, MS Candidate, Environmental Science

Exploring the hormonal and behavioral responses of zoo-housed gorillas (*Gorilla gorilla gorilla*) upon introduction of a female conspecific

Kimberly Kramer, MS Candidate, Biology

Using Biological Data to Infer the Connectivity of Subterranean Habitat Types

Vincent Leray, MS Candidate, Biology

SESSION ONE (9:00-10:30 AM)

History in a Changing World

Dear Miss Perkins: A Story of the Efforts of Frances Perkins to Aid Refugees from Nazi Germany (1933-1940)

Rebecca Brenner, MA Candidate, History

The Queer Predicaments of Orthodox Jews: Psychology, the Shoah, and Stonewall

Lucas Chapman, Senior, History

"Every Man a Slave Catcher": Building a Carceral Landscape in the Upper South, 1640-1861

Jordan D. Grant, PhD Candidate, History

"No Ordinary Feelings": Mormon Women's Petitioning 1870-1886

Katherine Kitterman, PhD Candidate, History

Monarchy and Masculinity in the Commonwealth Caribbean

Toby McCarroll, Senior, History

Memory and Identity: Argentina's Postdictatorial Representation of Trauma through the Artistic Photography of HIJOS

Patricia Montilla Keeling, MA Candidate, Spanish and Latin American Studies

SESSION ONE (9:00-10:30 AM)

Economics of Growth and Collapse

Baumol's Cost Disease: Is it That Bad?

David D'Auria, Senior, Mathematics and Economics

The Boom in Bradford

Tabatha Poelstra, Senior, Mathematics and Economics

Learning from Detroit's Financial Crisis: Why Puerto Rico Should
Gain Access to Chapter 9 of the Bankruptcy Code

Veronica M. Vazquez Ugalde, Senior, Economics

An Experimental Test of Output Choice on Market Collusion

Matthew Waskiewicz, Senior, Economics

Currency Crises and Long-run Economic Growth in Developing
Countries

Tzsche Wen, Andrea Chu, MA Candidate, International Economics

SESSION TWO (10:45 AM-12:15 PM)

Literature of the Mind, Body, and Identity

Modernity, Mobility and Crime in *Moth Smoke* and *The White Tiger*
Carmen Cain, MA Candidate, Literature

"This thing of darkness I acknowledge mine": Confessional Rhetoric
and the Poetics of Seduction in *Paradise Lost* and *Richard III*
Chloe Fairbanks, Senior, Music and Literature

Recognizing the Lacanian Real in Joseph Conrad's *Heart of Darkness*
Amanda Hodes, Freshman, Undeclared

Milton's Feminism
Emily Packer, Senior, Public Communication

Monstrous Misreading in *Memoirs of a Sleepwalker* and its Savage
Consequences
Stephanie Lynne Staley, Senior, Literature

SESSION TWO (10:45 AM-12:15 PM)

The Power of Science and Math

Cryptanalytic Limitations: Physical and Mathematical Barriers to Codebreaking

Sean R. Baird, Senior, Physics and International Studies

Investigating the Potential Risk of Hydraulic Fracturing to Water Quality in the Potomac Watershed

Colin P. Casey, MS Candidate, Environmental Science

The Configuration Space Symmetries in the Quantum Bouncer

David Lockerby, Senior, Physics

Indicators of Critical Locations in Wireless Networks

James Palladino, Senior, Applied Mathematics

P-hacking and Transparency in Research

Gabriela Perez, MS Candidate, Statistics

Design and Implementation of an Interactive Narrative Experience Framework

Arunpreet Sandhu, Sophomore, Computer Science

American Transformations

The City Needs Batman: A Hero for a Post-9/11 Society

Sarah Baker, Senior, Sociology

The Purple One and Digital Commodification

William Jack Fitzpatrick, Senior, Public Communication

Hactivism: A Continuation of Civil Disobedience

Rebekah Frank, Senior, American Studies

The Paper-Bag Test of Yesterday and Today: Understanding the Historical and Contemporary Effects of Colorism on the Biopsychosocial Health of African Americans

Corey Howell, Junior, Undeclared

Perception of Race on Social Media: A Case Study Through Sports

Bryna Kramer, Junior, Undeclared

SESSION TWO (10:45 AM-12:15 PM)

X-Men and the Civil Rights Movement

Matthew Marcellus, Senior, Non-Degree Undergraduate

Stress, Families, Societies, and Advocacy

Interracial Couples and the Influence of Neighborhood Choice

Taylor Heath, Senior, Political Science and Sociology

Multicultural Narratives of Race and Nation in the D.C. Cherry

Blossom Festival

Aya Laurel Iwai-Folk, Senior, Sociology

Stress Among Collegiate Student-Athletes: Coping Mechanisms Used

Kaitlin Anne Pericak, MA Candidate, Sociology

The Class of Advertising

Nishant Shrikhande, Senior, Sociology

Development of Social Thought in Ulrich Beck

Emma Whalen, Senior, Political Science and Sociology

Imagination and Identity in Film and TV

Harry Potter and the Normate: Disability and Normalcy in the Harry Potter Series

Jennifer Bohlman, Senior, Literature and Foreign Language and Communication Media

SESSION THREE (1:45-3:15 PM)

This is My Design: *Hannibal* and Queer Epistemology
Sean Donovan, MA Candidate, Literature

Identities and the City: Marginalized Identities as Accessories in
Carrie Bradshaw's Post-Feminist New York & Her Search for True
Love
Julian Morris-Walker, Senior, Sociology

Getting Satisfaction: The Male Gaze, The Final Girl, and Pleasure in
Metafictional Slasher Films
Bradley Mutchnik, Senior, Literature

Too Close for Comfort: Steve McQueen's Film Experience with
Embodiment
Jewelle Marie Saunders, Senior, Literature

"Get Your Stinking Hands Off Me, You Damn Dirty Human!": Tim
Burton's Postmodern Cinematic Reimaginings
Ryan Venezia, Senior, Literature and Public Relations and Strategic
Communications

Forms and Representations in Art

Reading the Surrealist Bookbindings of Mary Reynolds
Erica Bogese, MA Candidate, Art History

Stuart Davis: The Trouble with Travel
Eileen Donovan, MA Candidate, Art History

Function and Form: Re-contextualizing the Quilts of Gee's Bend
Sarah Hines, MA Candidate, Art History

Origins of the Image of God
Katherine Ladd Stephenson, Senior, Art History

Engaging Politics: Ambrogio Lorenzetti's Sala dei Nove frescoes and
the Decline of Siena
Genevieve Stegner-Freitag, Senior, Art History

Marguerite Thompson Zorach's Batiks: Forming a Modernist Identity
through International Textiles
Amanda Summerlin, MA Candidate, Art History

SESSION THREE (1:45-3:15 PM)

Challenges to Health

From Good Girl, to Broken Adolescent, to Badass Woman: A Look into How Societal Norms and Pressures Create a Timeline for Female Behavior from Childhood to Adulthood

Sarah Lisbeth Cornell, MS Candidate, Health Promotion Management

The Feasibility of Using *Lavandula Angustifolia* Aromatherapy During Pediatric Venipuncture

Katherine Curtin, PhD Candidate, Behavior, Cognition, and Neuroscience

Push-Core Sampling in Micronesia: Using Paleoecological Data to Reconstruct Guam's Coral Reef Community

Jonathan D Cybulski, MS Candidate, Environmental Science

Social Determinants of Exclusive Breastfeeding

Esha Dholia, Junior, Public Health

Neighborhood-Level Impacts on HIV Risk Behaviors: An Analysis of Probationers and Parolees

Justin W. Morgan, Senior, Public Health

SESSION THREE (1:45-3:15 PM)

Sounds and Visions

"Baby I Need Your Loving": The Supremes, Black Femininity, and Crossover Appeal

Lauren Canty, Senior, Literature

Camille Pissarro: A Portrait of Agricultural Labor in Nineteenth Century France

Leah Haines, MA Candidate, Art History

DC DIY: Aesthetics and Ethics in Action

Ella Vivien Joklik, Senior, Music

Initial Impressions

Katrina Lukes, Senior, Art History

Memories Triggered By Song - Shown Through Poetry

Anna Morcerf, Senior, Literature

An Italian Renaissance in Washington, DC, Architecture

Anne Schroeder, Senior, Art History

Female Constructs and Transformations

Marvel and Modern Feminism

Michaela Blain, Junior, Public Relations and Strategic Communications

Tattoos and Arrow Reflect American Culture

Nina Kaplan, Junior, Public Communications

Shifting Identities: Scott Westerfield's Uglies

Elizabeth Maguire, Senior, Literature

The Evolution of Body Modification in Female Hip-Hop Culture

Jocelyn Mendez, Sophomore, Political Science

Food, Feminism, and Hip-Hop: A Look at Gender Representation in the 1990s to Late 2000s

Meagan Nelson, Senior, Communication, Law, Economics, and Government (CLEG)

SESSION THREE (1:45-3:15 PM)

Representation of Beauty Standards in Young Adult Women's Magazines

Heather Rosoff, Senior, Sociology and Spanish Studies

Performances

Leading Man: Shifting Portrayals of Masculinity in American Theater

Jordan Halsey, Senior, Theater Performance

Composing The Sounds of Nature

Matthew Horanzy, Senior, Music

Finding Music in John: The Skepticism of Donne's Songs and Sonets

Nicholas Ketchum Depuy, Senior, Literature

"The Stretcher Came to a Screeching Halt": Transgender Storytelling as Paramedical Health Education

Emmett Patterson, Senior, Women's, Gender, & Sexuality Studies

Magnitudes of Harmony: An Aural Exploration of Time

Mike Romadka, Junior, Audio Production and Music

The Waves Concerto

Jonathan Whitman, Senior, Audio Production

Russians, Cold War, and Chernobyl

Mad Mongols, Uncivilized Russians: U.S. Reactions to Violence during the Russian Civil War in the Far East

Paul Behringer, PhD Candidate, History

SESSION FOUR (3:30-5:00 PM)

Cold War Uncanny in Ray Bradbury's *Martian Chronicles*

Kathleen Escarcha, Senior, Literature and Business Administration

Exporting Fashion to the West: "Red Dior," Soviet Style, and the Ballets Russes' Legacy, 1963-1976

Ruth Gabor, PhD Candidate, History

The Most Prominent African American Leader You've Never Heard Of: James W. Ford and the Communist Party USA

Mary Allison Jobe, PhD Candidate, History

Malevolent Ghost: Representing the Phenomenon of Chernobyl through Technology

Paige Smith, Senior, Literature

White Guilt: The Issue of the Pogroms in the Russian Civil War, 1917-1920

Jack Stein, Senior, History

Theater, Dance, Space, and the Numbers

Medea vs. Marie: The Power and Persecution of the Feminine Psyche in Theatre

Nia Calloway, Senior, Theatre Performance

The Pioneering Style of Anna DeaVere Smith's Docudrama

Marisa Lazar, Sophomore, Undeclared

Moving Cultures: Contemporary Dance Programs by Cultural Institutes and Successful Cultural Diplomacy

Sara Martins Pereira da Silva, MA Candidate, Arts Management

Color, Color, Which Color Do You Choose?

Shruthi Mukund, MA Candidate, Arts Management

Strength in Numbers: Data-Driven Marketing Strategies for Mid-Sized to Large Performing Arts Organizations

Victoria Sharbaugh, MA Candidate, Arts Management

SESSION FOUR (3:30-5:00 PM)

The Art of Alternative: Understanding the Relationships between Artists, Space, and Community in Sites of Adaptive Reuse in the United States

Carolyn Supinka, MA Candidate, Arts Management

Morality, Compassion, Aggression, and Trauma

Impressions that Remain: Aristotle and Trauma Studies

Kathryn A. Bracht, Non-Degree Graduate Certificate Student,

"Jesus Loves Umpires Because No One Else Does": MLB Umpire Ted Barrett and the Calling for Christ Ministry

Ryan Englekirk, PhD Candidate, History

Steinbeck's *Alfio Marullo*: Immigrant and Victim of American Morality

Hayley Markovich, Senior, Literature and Public Relations Strategic Communicaiton

Compassion in Crisis: José Saramago's Global Existentialism in Blindness

Jacob Nieb, Senior, Literature and Biology

Individuals' Duty to Apologize for Complicity in Structural Wrongs

Eliana Peck, Senior, Philosophy

The USS Panay Incident: Aggression and Censorship in Japanese-American Relations before Pearl Harbor

Kaitlyn Ross, Senior, History and Business Administration

SESSION FOUR (3:30-5:00 PM)

Power, Perceptions, and Status

The Hive and Black Liberation: Beyoncé as a Celebrity Blacktivist
Ava Cates, Senior, American Studies

Mad Women: How Feminism Changed Women in Advertising
Laura Gibson, PhD Candidate, History

Black Femme Body Self-Perceptions of Beauty: For Us, By Us
Kiersten Gillette-Pierce, Senior, Public Health and Women's, Gender,
Sexualities Studies

Athenian Anxiety: Tracing the Changing Status of Women in
Athenian Society through the Language of Euripides
Pamela Huber, Senior, Literature

A Foreign Exchange: The Art of Western and Non-Western
Diplomacy through Architecture
Sung Eun Oh, Senior, International Studies

Fastened Fragments: Post-Colonial Pedagogy and Possibilities for
Women's Empowerment in India
Roshni Rajan, Senior, Philosophy and International Studies

SESSION FOUR (3:30-5:00 PM)

Empowerment, Race, Violence, and Right Wing Politics

Constructions of Human Trafficking in Advocacy Organizations
Sarah Baker, Senior, Sociology

Resiliency, Sustainability, and Economic Empowerment amongst
Women Potters of Western Kenya
Kong F. Cheong, PhD Candidate, Anthropology

A Peaceful Election? Reassessing Peace, Violence and
Democratization in Kenya
Sean Furmage, PhD Candidate, Anthropology

Right on the Rise: Towards an Ethnographic Understanding of
Support for the "Far-right" in England
Jeanne Hanna, PhD Candidate, Anthropology

Department of Parks and Gentrification: A Tale of Dogs and Men in the
Shaw Neighborhood
Antoaneta Tileva, PhD Candidate, Anthropology

MORNING POSTER SESSION (9:30-11:30 AM)

Morning Poster Presentations

Neuromyths: Perceptions and Predictors Among Educators and the General Public

Kelly Macdonald, MA Candidate, Psychology, MA

Black and Bite Cinema: An Exploration of the Flexibility of Agency, and Representation of Black Vampires in Blaxploitation Cinema
Naomi Waltengus, Senior, Literature and Public Communication

Memories of the Herrin Massacre

Caroline Robertson, MA Candidate, Public Anthropology

Music and the Brain: Can Music Serve as a Neuroprotective Therapy for Dementia Related Illnesses?

Adam Horin, MA Candidate, Audio Technology

The Role of Businesses on Gentrification: An Artistic Gentrification Case Study

Chloe Brown, MA Candidate, Sociology

Effectiveness of Coping Strategies in Combatting the "Thin Ideal": An Experimental Study

Aria Lynn Fischman Wiseblatt, Senior, Women's, Gender and Sexuality Studies and Psychology

Scaling Reward Value with Demand Curves Versus Preference Tests

Lindsay Schwartz, PhD Candidate, Behavior, Cognition, and Neuroscience

Adolescent Drug Pre-exposure Fails to Attenuate Taste Avoidance Conditioning

Matthew M. Clasen, PhD Candidate, Behavior, Cognition, and Neuroscience

Spatial Recognition Tasks and Patterned Learning in Aged Rats to Test Cognitive Deficits in Hippocampal Circuits

Brittney Thompson, Junior, Biology

Search for Evidence of Propensity in Rats to Aggregate by Breed

Cecilia Colleen Ryan Bouska, Junior, Psychology

MORNING POSTER SESSION (9:30-11:30 AM)

Moderating Effects of Mindfulness on Connection with Nature and Well-being

Mathew Stewart, MA Candidate, Psychology

The Impact of College Lifestyle on Potential Weight Gain Among Freshmen Students at American University

Nargiza Kanybek Kyzy, Freshman, Undeclared

Rachael Slepian, Freshman, Undeclared

Tegh Bala, Freshman, Undeclared

Health Effects of DC Segregation

Emily Russell, Sophomore, Undeclared

Eliza Smith, Sophomore, Art History

Mental Health and Societal Integration of Syrian Refugees

Jean-Luc Botbyl, Sophomore, Undeclared

Sleep Patterns and Cognitive Function in American University Freshmen

Samuel Megill, Sophomore, Undeclared

JennyLou Spoon, Sophomore, Undeclared

Epidemiological Tracking of Disease Spread in Freshmen Dormitories on the AU Campus

Moriah M. Mitchell, Sophomore, Public Health

Jerold C Jacobs, Freshman, Undeclared

Connor Whitson, Sophomore, Undeclared

Impact of Canine Interaction on Perceived Stress in College Students: Pup Psychology

Abbie Callahan, Sophomore, Undeclared

Alexander Zipper, Sophomore, Undeclared

John Theodore Kasander, Sophomore, Undeclared

Student Perceptions of Mental Health Needs on American University's Campus and Willingness to Go to the Counseling Center

Emily Shewski, Junior, Public Health

Faith Bruton, Sophomore, Public Health

Rebecca Morgan Taylor, Junior, Public Health

Catherine Lu Clougherty, Junior, Undeclared

MORNING POSTER SESSION (9:30-11:30 AM)

The Effect of Screen Time on Cardiovascular Fitness among
Elementary School Aged Children

Sierra Adami-Koll, MS Candidate, Health Promotion Management

Lindsay Debra Raymond, MS Candidate, Health Promotion
Management

Assiatou Kama, MS Candidate, Health Promotion Management

Improving Access to Healthy Food among Lower-Income Residents
of Washington, DC

Kelechi Ezealaji, Freshman, Undeclared

Perceptions Among Key Stakeholders about Malaria Control and
Preventative Measures in Udupi Taluk, Karnataka

Kara Suvada, Junior, Public Health

Traumatic Loss: Adverse Childhood Experiences, Parental Risk
Factors, and Mental Health Diagnoses

Diane Kim, Junior, Public Health and Economics

Impact of a Nutrition Education Intervention on Dietary Intake,
Nutrition Knowledge, and Stage of Change in College Students

Jennifer Fields, MS Candidate, Health Promotion Management

Afternoon Poster Presentations

A Control Based System of Mechanical Loss Measurement for High
Quality Factor Oscillators

Louis Gitelman, Senior, Physics

AFTERNOON POSTER SESSION (2:30-4:30 PM)

Visualizing Sound: Demonstration to Teach Acoustic Interference
Valerie Rennoll, Senior, Physics and Audio Technology

Network Tomography
Danielle Beard, MA Candidate, Mathematics

How Topological Mathematics Affects the Communication of Ad Hoc
Wireless Networks
Eyerusalem Abebe, Senior, Public Health

Validation of Angle Estimation Filters for Ocean Wave Spectra
Tara Shreve, Senior, Mathematics
David D'Auria, Senior, Mathematics and Economics

Homological Features for Sonar Target Classification
Brian DiZio, MA Candidate, Mathematics

Runoff Analysis of Urban Gardens
Heather DeLucia, Junior, Environmental Science

Wildlife Management in Namibia: Best Practices for Tourist Sites
Dorian Russell, Senior, Environmental Studies

Urban Agriculture Hydrology: Soils
Md Hizaamuddin Abd Haris, Senior, Environmental Science

Carbon Sequestration Capacity of Guam's Seagrass Meadows
Carly LaRoche, Junior, Environmental Science

The Effects of Tourism on Corals
Grace Little, Senior, Environmental Science

Urban Tree Canopy and Respiratory Health
Hannah Klaus, Sophomore, Undeclared
Chrissandra Jackson, Freshman, Undeclared

The Effects of Cerebellar Neuromodulation on Neural Activation in
Language Networks
Caitlin Barrett, Junior, Neuroscience

AFTERNOON POSTER SESSION (2:30-4:30 PM)

Lesion-symptom Mapping Analysis of Pediatric Cerebellar Tumor Patients

Sophie Kotik, Junior, Neuroscience

Understanding the Uptake and Phytoremediation of Gold Nanoparticles in the Environment

Elizabeth Schott, Sophomore, Neuroscience

Sorbitol-Based Drug Delivery Systems

Jamie Nunziata, Junior, Biochemistry

Uptake of Metals by Magnetic Protein Microgels

Cassidy Hart, Senior, Biochemistry

Olivia Bell, Junior, Biology

Short-noncoding RNAs as a Cause of Chromosome Fusion Events

Grace Uttarotai, MS Candidate, Professional Science: Biotechnology

Dysregulation of HGF/cMet Signaling in Cutaneous Squamous Cell Carcinoma (cSCC)

Nicole Bonan, Senior, Biochemistry

Frontal Cortical Brain Regions for the Control of Consummatory Behavior

Linda Amarante, PhD Candidate, Behavior, Cognition, and Neuroscience

Impacts of Heavy Metals on Vision and Behavior in Zebrafish (*Danio rerio*)

Matthew LeFauve, MS Candidate, Biology

Evolution of Antibiotic Resistance in *Klebsiella pneumoniae* carbapenemases (KPCs)

Anand Adhikari, Senior, Biology

Biochemical Analysis of DNA Methyltransferase

Pragati Chengappa, Graduate Student, Professional Science: Biotechnology

Lessons from the First Iteration of a "Design Your Own Experiment" in a General Education, Introductory Biology Lab Course

Vincent Leray, MS Candidate, Biology

AFTERNOON POSTER SESSION (2:30-4:30 PM)

The Role of Ethanol Pre-exposure and Gender Differences in Ethanol-induced Conditioned Place Preference in Zebrafish (*Danio rerio*)

Carly Clayman, PhD Candidate, Behavior, Cognition, and Neuroscience

Sequence Variation and Expression of Photolyase in Cave and Surface Populations of Freshwater Amphipods

Kianna Billman, Senior, Biology

Examining the Long-lasting Effects of Endocrine Disruption on Retinal Development in *Danio rerio*

Cassie J. Gould, MS Candidate, Biology

Transcriptional Repression Mechanisms in Plant Stem Cell Microenvironments

Aaron Weiner, Junior, Biology