Welcome to Boston University’s 26th Annual Undergraduate Research Symposium! We are honored to have you engage with our high-achieving students and supportive faculty mentors who have collaborated over the past year working on groundbreaking research.

UROP connects BU undergraduate students with funded, faculty-mentored research projects. The program is flexible, allowing research study in any academic area university-wide, for any full-time undergraduate student at BU. Our mission is to increase student access to research experiences through funded, faculty mentored opportunities university-wide. Projects may be undertaken at either the Charles River or Medical Campus, on a volunteer basis, for a stipend, or for academic credit.

Enjoy and be inspired!

Phil Haberkern      Melissa Johnson      Molly Powers
Director          Associate Director    Program Administrator

Acknowledgements

UROP is primarily supported by Boston University’s Office of the Provost. We also thank our faculty advisory committee for their efforts in reviewing applications and guiding UROP to achieve its mission. Most importantly, we thank our faculty mentors for providing learning environments for our undergraduates and thus making UROP possible.

In addition, we thank the following financial sponsors for their generosity:
Funds from faculty research grants
Boston University Arts Initiative
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Dr. Loren E. Wold
National Science Foundation
New England Biolabs
**Presentation Times**

Student presenters are split into two groups

**Poster Session 1:**

11AM to 12PM

**Poster Session 2:**

12PM to 1PM

**Symposium Map Key**

What do you want to learn?

- Biological Sciences
- Physical Sciences
- Social Sciences
- Arts & literature
- Sargent: Health & Rehabilitation Sciences
- Medical Sciences
- Computational & Mathematical Sciences
- Engineering
- Electronic Poster
Jasmine Akinpelu  
**Project Title:** Investigating Mitochondrial Activity in Mutant Muscle Cells  
**Faculty Mentor:** Frank Naya  
**Poster Number:** 91  
**Presentation Time:** 11:00 AM

Ethan Anderson  
**Project Title:** Investigating gut-ovary tissue crosstalk using Drosophila melanogaster  
**Faculty Mentor:** Kim McCall  
**Poster Number:** 1  
**Presentation Time:** 12:00 PM

Shantelle Bartley  
**Project Title:** Assessing Heat Resilience and Energy Allocation of Cryptic Coral Lineages in Palau  
**Faculty Mentor:** Sarah Davies  
**Poster Number:** 2  
**Presentation Time:** 11:00 AM

Matthew Boberg  
**Project Title:** Developmental spatial gene expression patterning and candidate shRNA targets for understudied schizophrenia risk genes  
**Faculty Mentor:** Ali Brack  
**Poster Number:** e1  
**Presentation Time:** 11:00 AM

Sophie Bodine  
**Project Title:** Defining the Relationship between VEGF and Wnt5 signals to PMCs and Jun expression and function in PMCs  
**Faculty Mentor:** Cynthia Bradham  
**Poster Number:** 3  
**Presentation Time:** 11:00 AM

Caoimhe Bodnar  
**Project Title:** Impact of Holobiont on Cnidarian Immunity and Transcription Factor NF-kB  
**Faculty Mentor:** Thomas Gilmore  
**Poster Number:** 5  
**Presentation Time:** 11:00 AM
Luke Buza  
**Project Title:** Big Cat Endocasts Reveal Hunting Behaviors  
**Faculty Mentor:** Eva Garrett  
**Poster Number:** e2  
**Presentation Time:** 11:00 AM

Jordyn Choe  
**Project Title:** Validation and Characterization of Viral Peptides Affecting Cellular Proliferation and Apoptosis  
**Faculty Mentor:** Juan Fuxman Bass  
**Poster Number:** 4  
**Presentation Time:** 12:00 PM

Hannah Connell  
**Project Title:** Translating an Oceanographic Book from Spanish to English: Caribbean Basin and Marine Protected Areas of Nicaragua  
**Faculty Mentor:** Ethan Deyle  
**Poster Number:** 6  
**Presentation Time:** 12:00 PM

Luciano Foranoce  
**Project Title:** Recapitulation of the Arabidopsis alf3 Mutant by Transformation with the Mutant Allele  
**Faculty Mentor:** John Celenza  
**Poster Number:** 8  
**Presentation Time:** 12:00 PM

Isabella Hirt  
**Project Title:** Strain-Dependent Rates of Wolbachia Accumulation in Drosophila Oocytes  
**Faculty Mentor:** Horacio Frydman  
**Poster Number:** 7  
**Presentation Time:** 11:00 AM

Flora Kerner  
**Project Title:** Does clutch size reduction influence male-female interactions and levels of parental care in the clown anemonefish Amphiprion percula?  
**Faculty Mentor:** Peter Buston  
**Poster Number:** 9  
**Presentation Time:** 11:00 AM
John Lee
Project Title: Deciphering NEXMIF Gene Consequences: Neuronal Activity, Social Interaction, Potential Interventions in an ASD Mouse Model
Faculty Mentor: Hengye Man
Poster Number: 11
Presentation Time: 11:00 AM

Evelyn Liew
Project Title: Combined Effects of Warming Temperatures and Reduced Snowpack on Nutrient Cycling in a Northern Hardwood Forest
Faculty Mentor: Pamela Templer
Poster Number: 10
Presentation Time: 12:00 PM

Erika Meagher
Project Title: Tissue specific and environmental regulation of glucosinolate biosynthesis in Arabidopsis
Faculty Mentor: John Celenza
Poster Number: 13
Presentation Time: 11:00 AM

Christian Mei
Project Title: TFBS prediction in early Drosophila melanogaster embryos
Faculty Mentor: Zeba Wunderlich
Poster Number: 12
Presentation Time: 12:00 PM

Sarah Osman
Project Title: Regulation of anti-herbivory compound in Arabidopsis thaliana
Faculty Mentor: John Celenza
Poster Number: 14
Presentation Time: 12:00 PM

Nicole Padro-Luna
Project Title: Cell-type specific contributions to behavioral deficits in a model of complement 4 overexpression
Faculty Mentor: Luke Fournier
Poster Number: 16
Presentation Time: 12:00 PM

Gabriela Porto Machado
Project Title: Neuropixel Experimental Framework Design
Faculty Mentor: Jeff Gavornik
Poster Number: 18
Presentation Time: 12:00 PM
Jacob Purinton
Project Title: Identification of viral cis regulatory elements and their regulation mechanisms
Faculty Mentor: Juan Fuxman Bass
Poster Number: 20
Presentation Time: 12:00 PM

Cheng Yang (Jason) Shi
Project Title: Investigating Defective Phagocytosis in Draper Deficient Drosophila Brain
Faculty Mentor: Kim McCall
Poster Number: 24
Presentation Time: 12:00 PM

Rhea Singh
Project Title: Genetic and neural sources of individual differences in goal-directed learning
Faculty Mentor: Jerry Chen
Poster Number: e1
Presentation Time: 12:00 PM

Sofia Weaver
Project Title: Remote Measurement of Morphological Traits on Wild Critically Endangered Yellow-Tailed Woolly Monkeys (Lagothrix flavicauda) in Perú
Faculty Mentor: Christopher Schmitt
Poster Number: 25
Presentation Time: 12:00 PM

Max Wertheimer
Project Title: Characterizing the epithelial sheath as a barrier to professional phagocytes during apoptosis in the ovary
Faculty Mentor: Kim McCall
Poster Number: e2
Presentation Time: 12:00 PM

Pamela Yang
Project Title: The effects of draper gene knockdown in different tissues on ovarian function in Drosophila melanogaster
Faculty Mentor: Kim McCall
Poster Number: 15
Presentation Time: 11:00 AM
Nicole Zakskorn
Project Title: The Impact of Global Dlk1-Dio3 Knockdown on Cardiomyocyte Directed Stem Cell Differentiation
Faculty Mentor: Francisco Naya
Poster Number: 22
Presentation Time: 12:00 PM

Nina Zhao
Project Title: Assessing Impact of Marsh Hydrology Restoration on Habitat at the Marsh-Scale
Faculty Mentor: Leslie Kaufman
Poster Number: 17
Presentation Time: 11:00 AM
**Physical Sciences**

**Axel Almaguer Gaona**  
**Project Title:** Detecting Exotic Particles Through Solar Radiation Pressure Measurement Via MEMS Resonators  
**Faculty Mentor:** Pritiraj Mohanty  
**Poster Number:** 19  
**Presentation Time:** 11:00 AM

**Parnian Asgari**  
**Project Title:** Synthesis, characterization and reactivity of a series of iron and molybdenum Perfluoropinacolate Complexes  
**Faculty Mentor:** Linda Doerrr  
**Poster Number:** e3  
**Presentation Time:** 11:00 AM

**Brenden Blakley**  
**Project Title:** Silicon uptake kinetics vary by macroalgae genera  
**Faculty Mentor:** Robinson Fulweiler  
**Poster Number:** 21  
**Presentation Time:** 11:00 AM

**Yi-Ting Chen**  
**Project Title:** Anisotropic Galaxy-Galaxy Lensing by IllustrisTNG Galaxies  
**Faculty Mentor:** Tereasa Brainerd  
**Poster Number:** 28  
**Presentation Time:** 12:00 PM

**Alice Fan**  
**Project Title:** Application of a PISA Assay for Detection of Rocaglate Binding to DEAD-box Helicases  
**Faculty Mentor:** John Porco  
**Poster Number:** 30  
**Presentation Time:** 12:00 PM

**Jennifer Flores**  
**Project Title:** Photoreduction reaction catalyzed by Rieske non-heme iron oxygenase VanA derived from thermophilic bacterial source  
**Faculty Mentor:** Pinghua Liu  
**Poster Number:** 23  
**Presentation Time:** 11:00 AM
Daniel Gorham  
**Project Title:** Synthesis of Bifunctional Salen Cobalt Catalyst for Ring Opening Polymerizations  
**Faculty Mentor:** Aaron Beeler  
**Poster Number:** 26  
**Presentation Time:** 11:00 AM

Pareesha Haresh  
**Project Title:** Defining the structure and function of GT-A fold enzymes in Bacteria  
**Faculty Mentor:** Karen Allen  
**Poster Number:** 27  
**Presentation Time:** 11:00 AM

Soyoon Kang  
**Project Title:** Optimization of Expression and Purification of Yeast Primase  
**Faculty Mentor:** Deborah Perlstein  
**Poster Number:** 39  
**Presentation Time:** 11:00 AM

Jingxuan Li  
**Project Title:** Global survey of whistler mode waves in the Earth’s magnetosheath using THEMIS observations  
**Faculty Mentor:** Wen Li  
**Poster Number:** 29  
**Presentation Time:** 11:00 AM

Kelsey Mangis  
**Project Title:** A Study of Spatial Distributions of Cluster Galaxies in a CDM Computer Simulation  
**Faculty Mentor:** Tereasa Brainerd  
**Poster Number:** 31  
**Presentation Time:** 11:00 AM

Russell Mapaye  
**Project Title:** Probing Jupiter’s Upper Atmosphere Through H3+ Emissions and Ganymede’s Shadow  
**Faculty Mentor:** Luke Moore  
**Poster Number:** 33  
**Presentation Time:** 11:00 AM

Camille Mauceri  
**Project Title:** 4 Dimensional Tracking Studies in the ATLAS Experiment  
**Faculty Mentor:** Zeynep Demiragli  
**Poster Number:** 32  
**Presentation Time:** 12:00 PM
Elliott Mendenhall
Project Title: Spectroscopy of Calcium Ferrite (CaFe2O4) for Use in Calcium-Ion Batteries
Faculty Mentor: Kevin Smith
Poster Number: 34
Presentation Time: 12:00 PM

Alaina Minarik
Project Title: Synthesis and Characterization of a Pt-Gd Tetramer
Faculty Mentor: Linda Doerrer
Poster Number: 35
Presentation Time: 11:00 AM

Angel Morales
Project Title: Changes in the Jet of the Blazar 1510-089, Powered by a Super-massive Black Hole
Faculty Mentor: Alan Marscher
Poster Number: 37
Presentation Time: 11:00 AM

Amira Oladokun
Project Title: Large Scale Synthesis of Key Building Blocks to Access Spiromeroterpenoids and Simplified Derivatives
Faculty Mentor: John Porco
Poster Number: 36
Presentation Time: 12:00 PM

Sydney Peacock
Project Title: A Satellite-Based Analysis of Chlorophyll-a and Sediment Discharge Trends at the Intersection of Rivers and the Java Sea in Pekalongan, Indonesia
Faculty Mentor: Magaly Koch
Poster Number: 38
Presentation Time: 12:00 PM

Marvens Ravix
Project Title: Exploring the miR-726 Gene's Role in Color Vision using CRISPR/Cas9 in Zebrafish
Faculty Mentor: Daniel Cifuentes
Poster Number: 85
Presentation Time: 12:00 PM

Luke Saunders
Project Title: Confirmation of LArTPC Calibration Methods for protoDUNE and DUNE
Faculty Mentor: Zeynep Demiragli
Poster Number: e3
Presentation Time: 12:00 PM
Ruoshui Xu

Project Title: Synthesis and Characterization of Spinel Calcium Ferrite and Its Dopants.

Faculty Mentor: Kevin Smith

Poster Number: 41

Presentation Time: 11:00 AM
Ananya Agarwal  
**Project Title:** Jaunpur Social Network Study  
**Faculty Mentor:** Mahesh Karra  
**Poster Number:** 43  
**Presentation Time:** 11:00 AM

Taelor Anderson  
**Project Title:** Evolving Minds: Natural Selection in Third-Grade Classrooms  
**Faculty Mentor:** Deborah Kelemen  
**Poster Number:** 40  
**Presentation Time:** 12:00 PM

Brooke Bedell  
**Project Title:** Investigating the Role of Vasculature as Scaffolding in the Migration of New Neurons in an Adult Songbird HVC  
**Faculty Mentor:** Benjamin Scott  
**Poster Number:** 45  
**Presentation Time:** 11:00 AM

Amana Bhumitra  
**Project Title:** Music and Society: The Effects of Capitalism on Busking  
**Faculty Mentor:** Leland Clarke  
**Poster Number:** e7  
**Presentation Time:** 12:00 PM

Taylor Bolan  
**Project Title:** Overcoming COVID-19: An analysis of the cultural coping mechanisms utilized by Black families in the face of adversity  
**Faculty Mentor:** Stephanie Curenton  
**Poster Number:** 42  
**Presentation Time:** 12:00 PM

Samantha Brayton  
**Project Title:** Exploring the influence of family cohesion on families with autistic youth during the adult transition period  
**Faculty Mentor:** Kristin Long  
**Poster Number:** 44  
**Presentation Time:** 12:00 PM
Elliott Carlisle
Project Title: Characterizing the clinical features of PANDAS and PANS: A profile of patients within MassGeneral for Children's Pediatric Neuropsychiatry and Immunology Program
Faculty Mentor: Alyssa Farley
Poster Number: 48
Presentation Time: 12:00 PM

Demian Choi
Project Title: Following the Waters: A Comparison Between Haitian Vodou and Cuban Lukumi Ritual Usage of Water and the “Cooling Head”
Faculty Mentor: Margarita Guillory
Poster Number: 57
Presentation Time: 12:00 PM

Joseph Clark
Project Title: Exploring the potential for a successful urban insurgency in Afghanistan
Faculty Mentor: Thomas Barfield
Poster Number: 47
Presentation Time: 11:00 AM

Michael Dupre
Project Title: Democracy From The Dust: Ethnonationalism's Role in the State Building of Eastern Europe
Faculty Mentor: John Stone
Poster Number: 52
Presentation Time: 12:00 PM

Sevillana Ettinger
Project Title: Investigating the relation between callous-unemotional traits and parenting from years three to five
Faculty Mentor: Kimberly Saudino
Poster Number: 56
Presentation Time: 12:00 PM

Dima Ghalili
Project Title: The Use of Technology in Academics
Faculty Mentor: Andrea Mercurio
Poster Number: 50
Presentation Time: 12:00 PM
Shumin Guan
Project Title: Navigating Expectations: Asian American Parents' Perspectives on Autistic Youth's Transition to Adulthood
Faculty Mentor: Kristin Long
Poster Number: 49
Presentation Time: 11:00 AM

Riley Hennessy
Project Title: Gender Inclusion at Summer Camp
Faculty Mentor: Daniel Kleinman
Poster Number: 76
Presentation Time: 12:00 PM

Tori Keefauver
Project Title: Using prairie voles to model the effects of social deprivation on microglia
Faculty Mentor: Kyle Gobrogge
Poster Number: e4
Presentation Time: 11:00 AM

Kelvin Kuang
Project Title: Feature extraction and classification of autism spectrum disorder through convolutional neural networks
Faculty Mentor: Arash Yazdanbakhsh
Poster Number: e19
Presentation Time: 11:00 AM

Ankita Kumar
Project Title: Deeper into Children’s Explanatory Preferences About Non-Living Natural Objects
Faculty Mentor: Deborah Kelemen
Poster Number: 54
Presentation Time: 12:00 PM

David Lee
Project Title: Latent Space Exploration of Generative Adversarial Networks on Alzheimer’s Disease MRI Scans
Faculty Mentor: Arash Yazdanbakhsh
Poster Number: e5
Presentation Time: 11:00 AM
Emma Longo
Project Title: How Fossil Fuel Companies Use Native Advertisements to Shift Environmental Narratives in U.S. Media
Faculty Mentor: Michelle Amazeen
Poster Number: e6
Presentation Time: 11:00 AM

Sofia Marin
Project Title: Exploring Women’s Perceptions and Experiences with the Clean Girl Aesthetic: Factors Influencing Participation and Non-Participation
Faculty Mentor: Heather Schoenfeld
Poster Number: e5
Presentation Time: 12:00 PM

Emma Martin
Project Title: Time-Series Classification in Machine Learning: Long Short-Term Memory Networks
Faculty Mentor: Arash Yazdanbakhsh
Poster Number: 51
Presentation Time: 11:00 AM

Jack Martin
Project Title: Investigating the Impact of Loneliness on Radicalization into Extremism
Faculty Mentor: Jessica Stern
Poster Number: 58
Presentation Time: 12:00 PM

Sarah McArdle
Project Title: Investigating How Heterosexual University Students Desire and Construct Romantic Relationships
Faculty Mentor: Alya Guseva
Poster Number: 53
Presentation Time: 11:00 AM

Caroline Metcalf
Project Title: Zooarchaeology and Animal Use at Birsama, Israel
Faculty Mentor: Catherine West
Poster Number: 60
Presentation Time: 12:00 PM
Angel Miller
Project Title: Fostering Development: Exploring Parental Traits and Supportive Language in Parent-Child Interactions
Faculty Mentor: Amanda Tarullo
Poster Number: 55
Presentation Time: 11:00 AM

Carolyn Moyle
Project Title: Exploring the potential for a successful urban insurgency in Afghanistan
Faculty Mentor: Thomas Barfield
Poster Number: 46
Presentation Time: 11:00 AM

Jonathan Mu
Project Title: Visual-Haptic Crossmodal Aftereffects in Curvature Perception
Faculty Mentor: Arash Yazdanbakhsh
Poster Number: 62
Presentation Time: 12:00 PM

Nasra Noor
Project Title: The Evolution of Education Systems from 1970s Somalia: Barre's Secular Push and the Role of Islamic Education
Faculty Mentor: Betty Anderson
Poster Number: e8
Presentation Time: 11:00 AM

Camille Ofulue
Project Title: The Consequences of Counseling: The Effects of Same-Race Dyads on Black Mental Health Professionals
Faculty Mentor: Celeste Curington
Poster Number: 59
Presentation Time: 11:00 AM

Edison Park
Project Title: Time Perception Modulation by States of Discomfort Induced by the Cold Pressor Task
Faculty Mentor: Sam Ling
Poster Number: 64
Presentation Time: 12:00 PM

Luke Pemberton
Project Title: Conjunctive representation of what and when in primary visual cortex
Faculty Mentor: Marc Howard
Poster Number: 66
Presentation Time: 12:00 PM
Thomas Piernikowski  
**Project Title:** Subject Use in Spanish-Speaking Bostonians  
**Faculty Mentor:** Daniel Erker  
**Poster Number:** 61  
**Presentation Time:** 11:00 AM

Maria Sol Sanchez  
**Project Title:** Exploring the Associations between Affect and Persistence Decisions  
**Faculty Mentor:** Joseph McGuire  
**Poster Number:** 63  
**Presentation Time:** 11:00 AM

Ari Schifman  
**Project Title:** How Emotions Shape Children's Judgements of Fairness  
**Faculty Mentor:** Peter Blake  
**Poster Number:** 65  
**Presentation Time:** 11:00 AM

Hannah Semaya  
**Project Title:** Third Culture Kids and the Varying Perceptions of Community  
**Faculty Mentor:** Jonathan Mijs  
**Poster Number:** 68  
**Presentation Time:** 12:00 PM

Kelsey Smith  
**Project Title:** Maternal age and income in relation to sociocontextual risk and child cognitive function  
**Faculty Mentor:** Amanda Tarullo  
**Poster Number:** 67  
**Presentation Time:** 11:00 AM

Reshma Subramonian  
**Project Title:** The Path to Moksha: Examining Attitudes Towards Mental Health In Upper Middle Class Families in Chennai, India  
**Faculty Mentor:** Merav Shohet  
**Poster Number:** 77  
**Presentation Time:** 11:00 AM

Jasmin Tagijeva  
**Project Title:** Assessing the Relationship Between Mental Health, Trauma, and Individual Radicalisation  
**Faculty Mentor:** Jessica Stern  
**Poster Number:** 69  
**Presentation Time:** 11:00 AM
Katrina Tronco
Project Title: For My Family: Transnational Kinship, Care, and the Filipino Diaspora
Faculty Mentor: Merav Shohet
Poster Number: 71
Presentation Time: 11:00 AM

Andrea Ventura
Project Title: The Advocacy and Socio-political Thought of Paulina Luisi, Unsung Latin American Feminist
Faculty Mentor: Andrei Mamolea
Poster Number: e7
Presentation Time: 11:00 AM

Victor Verma
Project Title: Using Large Language Models for Massive Political Science Data Scraping
Faculty Mentor: Jetson Leder-Luis
Poster Number: e6
Presentation Time: 12:00 PM

Allison Vidovich
Project Title: Against Transracialism: Not Just Ethically Wrong but Metaphysically Impossible
Faculty Mentor: Derek Anderson
Poster Number: 72
Presentation Time: 12:00 PM

Isabella Villafuerte
Project Title: Children believe that they will feel better than peers when treated unfairly
Faculty Mentor: Peter Blake
Poster Number: 74
Presentation Time: 12:00 PM

Juneau Wang
Project Title: Comparing auditory and visual temporal attention
Faculty Mentor: Rachel Denison
Poster Number: 73
Presentation Time: 11:00 AM

Claire Williams
Project Title: The Effect of Extreme Weather Events on US Military Installations
Faculty Mentor: Rosella Cappella Zielinski
Poster Number: e9
Presentation Time: 11:00 AM
Amanda Wu
Project Title: Determination of Biodiversity within Gunung Palung National Park using Camera Trap Data
Faculty Mentor: Cheryl Knott
Poster Number: 78
Presentation Time: 12:00 PM

Yusen Wu
Project Title: Game of Truth: Leveraging Large Language Model to Examine the Spread of Misinformation
Faculty Mentor: Dokyun Lee
Poster Number: 75
Presentation Time: 11:00 AM
**Nathan Duong**  
**Project Title:** Refugee Laws as Determinants of Racial Identity in Diasporas: A Study in the Plurality of Vietnamese Americans’ Racial Self Imaginings  
**Faculty Mentor:** Takeo Rivera  
**Poster Number:** e11  
**Presentation Time:** 11:00 AM

**Hanna Dworkin**  
**Project Title:** The Philosophy of Grief: To Philosophize is to Learn to Live  
**Faculty Mentor:** Matthew Parfitt  
**Poster Number:** 79  
**Presentation Time:** 11:00 AM

**Spencer Hart-Thompson**  
**Project Title:** Music Through the Scope of Disability: Collaborative and Inclusive Pedagogies  
**Faculty Mentor:** Ruth Debrot  
**Poster Number:** e9  
**Presentation Time:** 12:00 PM

**Kennedy Harwood**  
**Project Title:** Contemporary Observational Painting: Mapping the Relevance of Plein Air in the 21st Century  
**Faculty Mentor:** Josephine Halvorson  
**Poster Number:** e10  
**Presentation Time:** 12:00 PM

**Virginia Jansen**  
**Project Title:** Price's Musical Tapestry: The Influence of Spirituals on the Chamber Music of Florence Price  
**Faculty Mentor:** Leland Clarke  
**Poster Number:** e11  
**Presentation Time:** 12:00 PM

**Kathryn Lakin**  
**Project Title:** Too Many Cooks in the Kitchen: Food Production in The Handmaid's Tale  
**Faculty Mentor:** Marie McDonough  
**Poster Number:** 83  
**Presentation Time:** 11:00 AM
**Eitan Marshall-Pinko**
*Project Title:* Justice, Law, and the State: Policing the Creek Nation (1867-1907)
*Faculty Mentor:* Sarah Phillips
*Poster Number:* 80
*Presentation Time:* 12:00 PM

**Shi Qing Elizabeth Natalie Ng**
*Project Title:* The Decolonization of Women’s Traditional Fashion - Contemporary Uses of the Sari
*Faculty Mentor:* Arianne Chernock
*Poster Number:* 82
*Presentation Time:* 12:00 PM

**Anna Paradise**
*Project Title:* Unveiling the Mask: An Interdisciplinary Investigation of Women’s Artistic Tradition in Mask-Making.
*Faculty Mentor:* Felice Amato
*Poster Number:* e12
*Presentation Time:* 12:00 PM

**Mackenzie Pike**
*Project Title:* Literature Review: Disability Studies Approaches in Medieval and Early Modern Scholarship
*Faculty Mentor:* Amy Appleford
*Poster Number:* 84
*Presentation Time:* 12:00 PM

**Grant Powicki**
*Project Title:* International Theater Through the Prague Quadrennial 2023
*Faculty Mentor:* Jon Savage
*Poster Number:* e13
*Presentation Time:* 12:00 PM

**Zachary Sherman**
*Project Title:* My Hidden Neighbor: The Co-existence of Jewish Refugees and Former Nazi Officers in Post-War Argentina
*Faculty Mentor:* Rady Roldan
*Poster Number:* 86
*Presentation Time:* 12:00 PM

**Bryan Teoh**
*Project Title:* The Tale of Genji Poetry Database Project: Utilizing Technology for Literary Analysis
*Faculty Mentor:* Keith Vincent
*Poster Number:* e10
*Presentation Time:* 11:00 AM
Sierra Wilkins  
**Project Title:** Historical and Anthropological Analysis of Boone, North Carolina and its Community's Boundaries Formed Throughout the Late 19th and 20th Centuries  
**Faculty Mentor:** Betty Anderson  
**Poster Number:** 88  
**Presentation Time:** 12:00 PM

Kenneth Wong  
**Project Title:** Unveiling Mystical Insights: Rediscovering Medieval Women's Intellectual Legacy in Global Middle Ages and Contemporary Impact  
**Faculty Mentor:** Philip Haberkern  
**Poster Number:** 87  
**Presentation Time:** 11:00 AM

Emily Yoder  
**Project Title:** Medieval Studies: A Global Future  
**Faculty Mentor:** Sunil Sharma  
**Poster Number:** e14  
**Presentation Time:** 12:00 PM

Yu Zeng  
**Project Title:** Migrating the “Tale of Genji Poetry Database” to Next.js for Enhanced Security  
**Faculty Mentor:** Keith Vincent  
**Poster Number:** e10  
**Presentation Time:** 11:00 AM
Sorochi Anyaibe
**Project Title:** Characterizing the Eating Timing Behavior of Urban and Rural Households in Ghana Using the Automatic Ingestion Monitor (AIM-2).
**Faculty Mentor:** Megan McCrory
**Poster Number:** 89
**Presentation Time:** 11:00 AM

Noah Barrow
**Project Title:** Analysis of Walking Speed and Propulsion Symmetry Changes After Functional Electrical Stimulation Training in Individuals Post-Stroke
**Faculty Mentor:** Lou Awad
**Poster Number:** 93
**Presentation Time:** 11:00 AM

John Barton
**Project Title:** Quantifying the flourishing of a hospitality experience: a system of measurement to define the relationship between received hospitality and human flourishing in consumer settings
**Faculty Mentor:** Makarand Mody
**Poster Number:** 95
**Presentation Time:** 11:00 AM

Marion Bensing
**Project Title:** Beat Processing in Relation to Language Fundamentals Among Preschool Children
**Faculty Mentor:** Jennifer Zuk
**Poster Number:** e12
**Presentation Time:** 11:00 AM

Courtney Dunsmuir
**Project Title:** Investigating relationships between somatosensory feedback and functional speech outcomes
**Faculty Mentor:** Cara Stepp
**Poster Number:** 90
**Presentation Time:** 12:00 PM

Anita Keltcher
**Project Title:** Preprocessing Data to Understand Cortico-Basal Ganglia-Thalamic Loop Role in Speech Production
**Faculty Mentor:** Frank Guenther
**Poster Number:** 92
**Presentation Time:** 12:00 PM
Kaden Litzinger
Project Title: Gaps in the System: Eliciting Perspectives of Fathers Living with and Beyond Cancer
Faculty Mentor: Robin Newman
Poster Number: 97
Presentation Time: 11:00 AM

Audrey Lucerne
Project Title: Protein Expression of Caveolin-1 Increases with Age in Vascular Smooth Muscle
Faculty Mentor: Kathleen Morgan
Poster Number: 94
Presentation Time: 12:00 PM

Kledion Naksi
Project Title: Creating and Analyzing Dietary Baseline Data to Measure Nutritional Adequacy of Indian Household Contacts of Diagnosed Tuberculosis Patients
Faculty Mentor: Lindsey Locks
Poster Number: 99
Presentation Time: 11:00 AM

Celina Nguyen
Project Title: Are tendencies toward social motivation and pleasure associated with daily social experiences? An experience sampling study
Faculty Mentor: Daniel Fulford
Poster Number: 101
Presentation Time: 11:00 AM

Renzo Quintero
Project Title: The effects of bilingualism and input variability in children's word-learning
Faculty Mentor: Kimberly Crespo
Poster Number: e13
Presentation Time: 11:00 AM

Soumya Sathe
Project Title: Identifying Psychological Vulnerabilities to Differentiate Eating Disorder Behaviors
Faculty Mentor: Anthony Rosellini
Poster Number: 103
Presentation Time: 11:00 AM

Utkarsh Tannan
Project Title: Sequence-Perturbation Project: Assessing the Relationship between Auditory and Somatosensory Feedback in Speech Development
Faculty Mentor: Andrew Meier
Poster Number: 105
Presentation Time: 11:00 AM
Kalei Volk

Project Title: To what extent can Lombard responses be explained by feedback v.s. feedforward speech motor control processes?

Faculty Mentor: Cara Stepp

Poster Number: 107

Presentation Time: 11:00 AM
Nalia Abney
Project Title: Gestational Opioid Exposure Alters Neonatal Mouse Ultrasonic Vocalization (USV) Profiles During Spontaneous Withdrawal: Role of Kappa Opioid Receptor Activation
Faculty Mentor: Camron Bryant
Poster Number: 109
Presentation Time: 11:00 AM

Audrey Cantillon
Project Title: Exploring the Strengths of Mothers with Histories of Substance Misuse
Faculty Mentor: Michelle Stransky
Poster Number: 98
Presentation Time: 12:00 PM

Josephine Carlson
Project Title: Enhancing Motivational Responses to Facial Expressions through Targeted Transcranial Magnetic Stimulation for Addressing Social Avoidance Behavior
Faculty Mentor: Michael Esterman
Poster Number: 100
Presentation Time: 12:00 PM

Faith Cerbo
Project Title: Investigating the role of KLHDC-X as a bimodal regulator of viral infection
Faculty Mentor: Florian Douam
Poster Number: e15
Presentation Time: 12:00 PM

Jacqueline Chang
Project Title: A Retrospective Chart Review of the Boston Medical Center Coping Clinic
Faculty Mentor: Margaret Lee
Poster Number: 102
Presentation Time: 12:00 PM

Clara Chung
Project Title: Investigating the Connection between Alzheimer’s Disease and Down Syndrome through Correction of X-linked Gene Dysregulation
Faculty Mentor: Ella Zeldich
Poster Number: 104
Presentation Time: 12:00 PM
Zaari Isabella Colón
Project Title: Investigating the mechanism of α-MSH to enhance the survival of Retinal Ganglion Cells in Mice Eyes following an Ischemia/Reperfusion injury
Faculty Mentor: Tat Fong Ng
Poster Number: 111
Presentation Time: 11:00 AM

Aakash Dave
Project Title: Exploring the Role of MIRTD in Neuroblastoma Cells
Faculty Mentor: Hui Feng
Poster Number: 106
Presentation Time: 12:00 PM

Rohan Dupaguntla
Project Title: Effects of Perinatal Choline Supplementation on Cortical and Hippocampal Synaptic Marker Levels in the APP NLGF Mouse Model of Alzheimer’s Disease
Faculty Mentor: Tiffany Mellott
Poster Number: 108
Presentation Time: 12:00 PM

Maura Farrell
Project Title: Effector Functions of Hormonal Contraceptive Antibody (HCA) Variants
Faculty Mentor: Deborah Anderson
Poster Number: e16
Presentation Time: 12:00 PM

Grace Field
Project Title: Investigating the impact of altered myelination in Trisomy 21 using hOLS
Faculty Mentor: Ella Zeldich
Poster Number: 113
Presentation Time: 11:00 AM

Colin Gao
Project Title: Resolvin Therapy of Injured Cardiomyocytes with Leakage of Intracellular H-FABP as a Quantitative Readout
Faculty Mentor: James Hamilton
Poster Number: 115
Presentation Time: 11:00 AM
Elena Green  
**Project Title:** Establishing a High-Throughput Assay for the Identification of G-protein Interacting Peptides  
**Faculty Mentor:** Mikel Garcia-Marcos  
**Poster Number:** 117  
**Presentation Time:** 11:00 AM

Maxine Hsiung  
**Project Title:** Presynaptic Cannabinoid Receptor Localization on Lateral Prefrontal Cortex and Amygdala Inputs to Anterior Cingulate Cortex  
**Faculty Mentor:** Maria Medalla  
**Poster Number:** 110  
**Presentation Time:** 12:00 PM

Clifton Johnson  
**Project Title:** Unraveling the Role of Microglia: Characterizing Phagocytic Activity and Morphological Phenotypes  
**Faculty Mentor:** Tuan Leng Tay  
**Poster Number:** 119  
**Presentation Time:** 11:00 AM

Han Kahvecioglu  
**Project Title:** Identifying and locating sub-populations of inhibitory neurons along the Entorhinal Cortex  
**Faculty Mentor:** Jean-Pierre Roussarie  
**Poster Number:** 112  
**Presentation Time:** 12:00 PM

Olivia Kierul  
**Project Title:** Study the role of novel genes in kidney macula densa cell development  
**Faculty Mentor:** Weining Lu  
**Poster Number:** 96  
**Presentation Time:** 12:00PM

Monica Laryea  
**Project Title:** Assessing the Synergistic Interactions of Alternative Lengthening of Telomeres (ALT) Pathway Targeted Chemotherapeutics: Ataxia telangiectasia and Rad3-related protein & Translesion Synthesis Inhibitors  
**Faculty Mentor:** Monica Laryea  
**Poster Number:** 114  
**Presentation Time:** 12:00 PM
Charles Lau
Project Title: Defining the role of SNAIL-CoREST interactions in melanoma development, tumor cell plasticity, and targeted therapy resistance
Faculty Mentor: Rhoda Alani
Poster Number: 123
Presentation Time: 11:00 AM

Nicholas Leung
Project Title: Calibrating an Accelerometer, Magnetometer and Gyroscope within a Combined Sensor Body Frame in the MRI Environment
Faculty Mentor: Simon Warfield
Poster Number: 81
Presentation Time: 11:00 AM

Joyce Liang
Project Title: siRNA Mediated Knockdown of PAX3: Investigating Effects of NMD Target Genes
Faculty Mentor: Deborah Lang
Poster Number: 116
Presentation Time: 12:00 PM

Easton Liaw
Project Title: Developing a super-sensitive Meso Scale Discovery (MSD) immunoassay for a novel biomarker in chronic kidney disease.
Faculty Mentor: Weining Lu
Poster Number: 125
Presentation Time: 11:00 AM

Liuqian Ling
Project Title: Senescence is related to liver damage in aged mice
Faculty Mentor: Zhen Y. Jiang
Poster Number: 118
Presentation Time: 12:00 PM

Haile Luong
Project Title: Development of semi-automated recombinant mycobacterial cell wall hydrolase enzymatic assays using the Octet BLI System
Faculty Mentor: Lingyi Deng
Poster Number: e17
Presentation Time: 12:00 PM
Teodora Misic
Project Title: Ultrasonic vocalization syllable composition during neonatal opioid withdrawal in BALB/c substrains and the effect of Zhx2 genetic variants on behavior.
Faculty Mentor: Camron Bryant
Poster Number: 127
Presentation Time: 11:00 AM

Kristina Nicolas
Project Title: Investigating the Pathogenic Role of PIM1 in Idiopathic Pulmonary Fibrosis
Faculty Mentor: Giovanni Ligresti
Poster Number: 131
Presentation Time: 11:00 AM

Kohji Numata
Project Title: Investigating Structural RNA Components that Lead to Innate Immunity Evasion for YFV-17D
Faculty Mentor: Florian Douam
Poster Number: 120
Presentation Time: 12:00 PM

Juan Pagán
Project Title: The Role of Melanocortin Receptors in Regulating the Thyroid Axis
Faculty Mentor: Ricardo da Costa e Sousa
Poster Number: 122
Presentation Time: 12:00 PM

Susie Jiaxing Pan
Project Title: Prevalence of helminth co-infections among persons with tuberculosis in South India: a cross sectional analysis
Faculty Mentor: Pranay Sinha
Poster Number: e18
Presentation Time: 12:00 PM

Jaii Pappu
Project Title: Characterization of an Infectious Recombinant West Nile Virus Expressing Green Fluorescent Protein For Visualization of In Vitro Infection
Faculty Mentor: Florian Douam
Poster Number: 124
Presentation Time: 12:00 PM
Sarah Park
Project Title: Investigation of the Effect of Netarsudil on the Inner Wall Endothelial Cells of Schlemm’s Canal of Human Eye Using Serial Block-face Scanning Electron Microscopy
Faculty Mentor: Haiyan Gong
Poster Number: 126
Presentation Time: 12:00 PM

Olivia Perry
Project Title: Impact of XMAP215 on Craniofacial Development in Xenopus Laevis
Faculty Mentor: Laura Lowery
Poster Number: e14
Presentation Time: 11:00 AM

Sanjana Prudhvi
Project Title: A subcellular enrichment approach to profile the proteome of different mouse brain regions
Faculty Mentor: Manveen Sethi
Poster Number: 128
Presentation Time: 12:00 PM

Samaa Rasheed
Project Title: The Effects of Lactic Acid on epithelial integrity and HIV susceptibility
Faculty Mentor: Deborah Anderson
Poster Number: 129
Presentation Time: 11:00 AM

Jillian Schmottlach
Project Title: Investigating the role of TrkB/BDNF signaling in lung capillary endothelial cells
Faculty Mentor: Giovanni Ligresti
Poster Number: 132
Presentation Time: 11:00 AM

Erie Shivers
Project Title: Microvasculature Changes in Postmortem Human Prefrontal Dorsolateral Cortices with Stage III to IV Chronic Traumatic Encephalopathy (CTE)
Faculty Mentor: Ann McKee
Poster Number: 133
Presentation Time: 11:00 AM
Su Yeon Song
**Project Title:** Optimizing CRISPR mutagenesis to understand mechanism of hematopoietic progenitor migration.
**Faculty Mentor:** Elliott Hagedorn
**Poster Number:** 135
**Presentation Time:** 11:00 AM

Rutu Tatke
**Project Title:** The effect of MSC-EVs on the inflammatory profile in a rhesus monkey model of cortical injury
**Faculty Mentor:** Tara Moore
**Poster Number:** 137
**Presentation Time:** 11:00 AM

Olivia Velte
**Project Title:** The Alpha2 Adrenergic Agonist Guanfacine Attenuates Chronic Alcohol-Induced Temporal Order Memory Deficits in Mice
**Faculty Mentor:** Valentina Sabino
**Poster Number:** 139
**Presentation Time:** 11:00 AM

Samuel Wu
**Project Title:** Network efficiency and robustness shape the number of microRNAs encoded in a genome
**Faculty Mentor:** Daniel Cifuentes
**Poster Number:** e15
**Presentation Time:** 11:00 AM

Claire Wu
**Project Title:** Distal Enhancer Regulation of ARPC5 in Melanoma
**Faculty Mentor:** Deborah Lang
**Poster Number:** 143
**Presentation Time:** 11:00 AM

Michelle Yung
**Project Title:** Morphologic Changes in the Distal Aqueous Outflow Pathway Responsible for Thrombospondin-1-Induced Outflow Facility Decrease in Porcine Eyes
**Faculty Mentor:** Haiyan Gong
**Poster Number:** 130
**Presentation Time:** 12:00 PM
Angela Zhang
Project Title: The role of thyroid hormone receptor beta signaling in the hypothalamic paraventricular nucleus on thyroid hormone action.
Faculty Mentor: Ricardo H. Costa-e-Sousa
Poster Number: 134
Presentation Time: 12:00 PM

Jamie Zheng
Project Title: Innate Immune Memory in Mice Peritoneal Cells
Faculty Mentor: Andrew Taylor
Poster Number: 
Presentation Time: 

John Zhao
Project Title: Histone Epigenetic Effects of α-MSH
Faculty Mentor: Andrew Taylor
Poster Number: e16
Presentation Time: 11:00 AM
Jared Grossman  
**Project Title:** Spatial Dynamics of Neuronal Systems  
**Faculty Mentor:** Gabriel Ocker  
**Poster Number:** 145  
**Presentation Time:** 11:00 AM

Zhandong Jiao  
**Project Title:** Predicting Tremor from Subthalamic Nucleus Spectral Powers  
**Faculty Mentor:** Emily Stephen  
**Poster Number:** 96  
**Presentation Time:** 11:00 AM

Lavya Midha  
**Project Title:** Developing an image-processing model that can be used to analyze classroom placement in K-12 schools.  
**Faculty Mentor:** Patricia Fabian  
**Poster Number:** e19  
**Presentation Time:** 12:00 PM

Vineet Raju  
**Project Title:** Enhancing Multi-Threaded Workflows in Secrecy  
**Faculty Mentor:** John Liagouris  
**Poster Number:** e20  
**Presentation Time:** 12:00 PM

Caiwei Zhang  
**Project Title:** Jump Process Simulation Algorithms for Modeling Biological Systems with Memory Optimization  
**Faculty Mentor:** Samuel Isaacson  
**Poster Number:** e4  
**Presentation Time:** 12:00 PM
Rohin Bajaj
Project Title: Assessing the Utility of AlphaFold Protein Models for Drug Design
Faculty Mentor: Diane Joseph-McCarthy
Poster Number: 147
Presentation Time: 11:00 AM

Isabelle Boegholm
Project Title: Scaling Channel Count in Fibers using Topological Confinement
Faculty Mentor: Siddharth Ramachandran
Poster Number: 149
Presentation Time: 11:00 AM

Piergiulio Bressan
Project Title: Early Functional and Behavioral Outcomes of Ischemic Stroke in Young Mice
Faculty Mentor: David Boas
Poster Number: 138
Presentation Time: 12:00 PM

Henry Chow
Project Title: Establishing a Model of Tendon Explant Overuse
Faculty Mentor: Brianne Connizzo
Poster Number: 136
Presentation Time: 12:00 PM

Aidan Donovan
Project Title: Detection and Correction of Out-of-plane Motion in 2D DIC
Faculty Mentor: Emma Lejeune
Poster Number: 151
Presentation Time: 11:00 AM

Ricardo Fernandez
Project Title: Engineering Uterine Fibroid Organoids: A preliminary study with MCF7 spheroids.
Faculty Mentor: Catherine Klapperich
Poster Number: 153
Presentation Time: 11:00 AM

Jivesh Jain
Project Title: Deep Learning for Blood Pressure Estimation
Faculty Mentor: Darren Roblyer
Poster Number: 155
Presentation Time: 11:00 AM
Allen Jang
Project Title: Effects of post-mortem interval on myelin integrity in rhesus monkey brain tissue
Faculty Mentor: Irving Bigio
Poster Number: 140
Presentation Time: 12:00 PM

Jacob Labovitz
Project Title: Effects of Nucleoside Imbalance on Glial Cell Proliferation
Faculty Mentor: Timothy O’Shea
Poster Number: e18
Presentation Time: 11:00 AM

Nikhil Lahiri
Project Title: Development of Tumor-On-A-Chip Model to Study Breast Cancer-Macrophage Crosstalk
Faculty Mentor: Joe Tien
Poster Number: 157
Presentation Time: 11:00 AM

Joseph Licata
Project Title: Analysis of Inflammatory Biomarkers in a Sleep Study on Major Depressive Disorder
Faculty Mentor: Laura Lewis
Poster Number: 142
Presentation Time: 12:00 PM

Audrey Lindsay
Project Title: Investigating the Effects of Audio Stimulation and Deep Brain Stimulation on Mouse Locomotion
Faculty Mentor: Xue Han
Poster Number: 144
Presentation Time: 12:00 PM

Emily Long
Project Title: Blood Flow Oscillations in Post-stroke Recovery
Faculty Mentor: David Boas
Poster Number: 146
Presentation Time: 12:00 PM

Arnav Mankad
Project Title: Fluidic System Integrated with a Soft Bleeding Sensor for Colonoscopy
Faculty Mentor: Sheila Russo
Poster Number: 159
Presentation Time: 11:00 AM
Emily McCarthy  
**Project Title:** Priming cells for increased survival and glia-repair in hemorrhagic stroke lesions  
**Faculty Mentor:** Timothy O'Shea  
**Poster Number:** 148  
**Presentation Time:** 12:00 PM

Suhani Mitra  
**Project Title:** Digital Logic Design for Residue Number System to Binary Number System Conversion  
**Faculty Mentor:** Ajay Joshi  
**Poster Number:** 150  
**Presentation Time:** 12:00 PM

Sohail Mohammed  
**Project Title:** Implantable Radiofrequency (RF) coil development for ultra-high resolution fMRI of awake mice with 14 Tesla MRI scanner  
**Faculty Mentor:** Chen Yang  
**Poster Number:** 161  
**Presentation Time:** 11:00 AM

Shakaani Nasankar  
**Project Title:** Measurement of Cartilage Crosslinks using Raman Spectroscopy  
**Faculty Mentor:** Michael Albro  
**Poster Number:** 152  
**Presentation Time:** 12:00 PM

Hawa Ndiaye  
**Project Title:** Development of Patterned 2D Platform to Study Human Induced Pluripotent Stem Cell Derived Cardiomyocyte Behavior In Vitro  
**Faculty Mentor:** Jeroen Eyckmans  
**Poster Number:** 154  
**Presentation Time:** 12:00 PM

Takaya Niibori  
**Project Title:** Establishing a Model of Graded Cellular Senescence in Tendon Explants  
**Faculty Mentor:** Brianne Connizzo  
**Poster Number:** 163  
**Presentation Time:** 11:00 AM

Julia Nowak  
**Project Title:** Delivery of Genetic Cues for Increased Anti-Tumor Immunity  
**Faculty Mentor:** Michelle Teplensky  
**Poster Number:** 165  
**Presentation Time:** 11:00 AM
Joselynn Palen
Project Title: Mechanosensitive Ion Transport in Nanoparticle-blocked Nanopores
Faculty Mentor: Chuanhua Duan
Poster Number: 156
Presentation Time: 12:00 PM

Abderrahman Rhmari Tlemcani
Project Title: Immunofluorescence characterization of polarized macrophages
Faculty Mentor: Joe Tien
Poster Number: 158
Presentation Time: 12:00 PM

Noah Robitshek
Project Title: IoT Based Vibration and Sleeping Position Sampling for Animal Monitoring
Faculty Mentor: WenZhan Song
Poster Number: e17
Presentation Time: 11:00AM

Hanna Schlegel
Project Title: Highly Sensitive and Robust Soft Capacitive Pressure Sensors
Faculty Mentor: Tommaso Ranzani
Poster Number: 166
Presentation Time: 11:00 AM

Varun Shah
Project Title: Mapping the architectural differences of the extracellular matrix generated by senescent and normal cardiac fibroblasts.
Faculty Mentor: Jeroen Eyckmans
Poster Number: 160
Presentation Time: 12:00 PM

Armaan Vasowalla
Project Title: Semi-Autonomous Driving of a Soft Robot for Bronchoscopy Procedures
Faculty Mentor: Sheila Russo
Poster Number: e8
Presentation Time: 12:00 PM

Ilyoung Yang
Project Title: Design and Implementation of Replaceable Shape Memory Alloy Artificial Muscles for Soft Robot Limbs
Faculty Mentor: Andrew Sabelhaus
Poster Number: 162
Presentation Time: 12:00 PM
Anne Marie Zambon
Project Title: Classifying Brainstem Cell Types that Receive Motor Cortex Input Via Anterograde Transsynaptic Tracing and mFISH
Faculty Mentor: Michael Economo
Poster Number: 164
Presentation Time: 12:00 PM

Yiwen Zhang
Project Title: Photothermal Spectroscopy for Characterization of Phase Transitions in Smart Materials at Submicron Scale
Faculty Mentor: Michelle Sander
Poster Number: 141
Presentation Time: 11:00 AM