



# **FRONTIERS**

**IN UNDERGRADUATE RESEARCH**

**SIXTEENTH ANNUAL  
POSTER EXHIBITION**

**A CELEBRATION OF SCHOLARSHIP,  
INNOVATION, CREATIVITY, AND COLLABORATION**

**April 12, 2013**

3:30 p.m. to 4:30 p.m.

**April 13, 2013**

11:30 p.m. to 2:00 p.m.

**Wilbur Cross North and South Reading Rooms**

**Sponsored by**  
**The University of Connecticut**

Office of Undergraduate Research  
Enrichment Programs  
Honors Program

## **About Frontiers in Undergraduate Research**

The Frontiers Poster Exhibition is a multidisciplinary research forum and the largest showcase of undergraduate research, scholarship, and creative projects at the University of Connecticut. Frontiers 2013 is the sixteenth annual Frontiers event sponsored by the Office of Undergraduate Research (OUR). This year's poster exhibition includes 218 students presenting posters for 175 research projects.

The projects span the disciplines and include both independent research and work done in collaboration with other undergraduates as well as graduate student and faculty mentors. The presenters are among the top students at UConn and include Honors students, University Scholars, winners of OUR funding competitions, and winners and nominees of prestigious national scholarships. We hope you enjoy meeting our wonderful students and learning about their exciting work.

## **About the Office of Undergraduate Research**

The Office of Undergraduate Research (OUR) exists to encourage and support undergraduate research at the University of Connecticut. Our office provides information and resources to encourage all students to pursue undergraduate research, as well as several funding programs to support the students and their faculty mentors.

Many of the Frontiers presenters have received financial support for their projects from the OUR, which awarded approximately \$342,000 in 2011-2012 to students for their research work over the summer and during the academic year. These awards are funded by the Office of Undergraduate Research with generous support from the Deans of the schools and colleges, the Provost's office, and private donations from many, many alumni, parents, and other friends of UConn and undergraduate research.

# **Schedule of Events**

## **Poster Exhibition**

Friday, April 12, 2013  
3:30 p.m. – 4:30 p.m.

Saturday, April 13, 2013  
11:30 a.m. – 2:00 p.m.

## **Student and Faculty Reception**

Friday, April 12, 2013  
4:30 p.m. – 5:30 p.m.

## **UCONN Trumpet Quartet**

Russel Allyn, David Dorfman,  
Meagan Ferreira, Lesley Knaack

## **Introduction and Welcome**

**Margaret Lamb**, Director, Office of Undergraduate  
Research and Senior Associate Director, Honors Program

## **Keynote Speaker**

**Steven L. Suib**, Board of Trustees Distinguished  
Professor, Department of Chemistry, College of  
Liberal Arts & Sciences

## **Closing Remarks**

**Jennifer Lease Butts**, Assistant Vice Provost for  
Enrichment Programs, and Director, Honors Program

# **Poster Listing by School, College, or Program**

This listing of projects includes the undergraduate student authors and their faculty mentors. Many projects also include the contributions and mentorship of dedicated graduate students and post-doctoral scholars. In some cases students work with faculty outside their school or college; in most cases, research is grouped according to the student's major.

## **ROTUNDA**

### **School of Fine Arts**

#### **1. Inherit the Culture: Traditional Puppetry in China**

Xingxin Liu, Puppetry

Advisor: Bart P. Roccoberton, Jr., Professor, Puppet Arts

#### **2. The Carols of the Ritson Manuscript at Exeter Cathedral: Repertory and Context**

Anastasia Pilato, Music

Advisor: Eric Rice, Associate Professor, Music

#### **3. From Blank Page to Final Bow: A Comprehensive Approach to the Creation of 21st Century American Opera**

Spencer Reese, Music

Advisor: Constance Rock, Associate Professor, Music

#### **4. Presentation of William Schmidt's "Variants with Solo Cadenzas" by the University of Connecticut Trumpet Quartet**

Russel Allyn, Music

Meagan Ferreira, Music

David Dorfman, Music

Lesley Knaack, Music

Advisor: Louis Hanzlik, Assistant Professor, Music

#### **5. "BURIED" An Exploration of Human Boundaries**

Shane Harris, Acting

Advisor: Laura Crow, Professor, Dramatic Arts

## **6. Tips on Co-Designing Shakespeare with Contemporary Touches**

Angela Armijo, Design and Technical Theater

Advisor: Laura Crow, Professor, Dramatic Arts

## **7. Female Tailoring of the 1940s Realized for CRT's His Girl Friday**

Christina Ostner, Design and Technical Theater

Advisor: Laura Crow, Professor, Dramatic Arts

## **8. Locating Commonalities in the Perceptions of Colored Hearing Synesthetes**

Kaitrin Acuna, Art

Advisor: Emily Myers, Assistant Professor, Speech, Language, and Hearing Sciences

## **9. The City Street as Canvas: Copenhagen Street Art**

Karolina Hac, Art History

Advisor: Jean Givens, Professor, Art and Art History

# **School of Engineering**

## **10. Detection of SINE element using Small RNA Fish**

Nicholas Jannetty, Biomedical Engineering

Advisor: Rachel O'Neill, Professor, Molecular and Cell Biology

## **11. An Automated System for Monitoring Learning of Sound Choice Behavior**

Cheng Yang, Biomedical Engineering

Advisor: Heather Read, Associate Professor, Psychology

## **12. Mechanical Analysis of Various Pericardial Tissues for use in Trans-Catheter Aortic Valve Replacement**

Bilal Kaleem, Biomedical Engineering

Joseph Mummert, Graduate Student, Biomedical Engineering

Advisor: Wei Sun, Associate Professor, Biomedical Engineering

## **13. Swelling, Sterilization, and Cutting of Collagen Hydroxyapatite Scaffolds for Bone Tissue Engineering**

Alison Welch, Biomedical Engineering

Alyssa Weinstein, Biomedical Engineering

Max Villa, Graduate Student, Materials Science and Engineering

Advisor: Mei Wei, Professor, Materials Science and Engineering

#### **14. Solar Battery Charger**

Muhammad Khatri, Electrical Engineering

Kevin McDowall, Electrical Engineering

Joshua Ivaldi, Electrical Engineering

Advisor: Sung Yeul Park, Assistant Professor, Electrical Engineering

#### **15. Localization of Megalin Along Zebrafish Lateral Line; Implications for Ototoxicity of Nephrotoxic Drugs**

Christine Nykyforchyn, Chemical Engineering

Advisor: Daniel Burkey, Associate Dept. Head, Associate Professor-in-Residence, Chemical and Biomolecular Engineering

#### **16. Hollow Fiber module for Continuous Ethanol Fermentation**

Leia Dwyer, Chemical Engineering

Advisor: William Mustain, Assistant Professor, Chemical and Biomolecular Engineering

#### **17. Effects of Salt on the Fluorescence Quenching of Pyrene**

Joshua Lemkin, Chemical Engineering

Hyunsook Jang, Graduate Student, Chemical Engineering

Advisor: Mu-Ping Nieh, Associate Professor, Chemical and Biomolecular Engineering

#### **18. Electropolymerizable Membranes to Enhance Selectivity of Implantable Glucose Sensors**

Kimberly Dout, Chemical Engineering

Advisor: Fotis Papadimitrakopoulos, Professor, Chemistry

#### **19. Direct Observation of Biofouling in a Forward Osmosis Flow Cell**

Jacob Deneff, Chemical Engineering

Advisor: Leslie Shor, Assistant Professor, Chemical and Biomolecular Engineering

#### **20. Superporous Hydrogels for Controlled Release of Nanoparticles.**

Kelsey Boch, Chemical Engineering

Mark Battig, Graduate Student, Chemical Engineering

Advisor: Yong Wang, Associate Professor, Chemical and Biomolecular Engineering

#### **21. Polymorphic Interface of Natural Crystal Titanium Dioxide**

Jason Chan, Materials Science and Engineering

Advisor: Barry Carter, Professor, Materials Science and Engineering

## **22. Synthesis and Characterization of Electrospun Titanium Dioxide Nanofibers**

Nathan Martin, Materials Science and Engineering

Maria Arellano-Jimenez, Post-Doc, Materials Science and Engineering

Aravind Suresh, Post-Doc, Chemical Engineering

Advisor: Barry Carter, Professor, Materials Science and Engineering

## **School of Nursing**

### **23. Nicaragua: Efficacy of a Nurse-Led Diabetes Intervention Program**

Paul Banach, Nursing

Advisor: Kelley Newlin Lew, Assistant Professor, Nursing

### **24. Factors Related to the Personal Development of a Young Adult with HIV/AIDS: A Case Study**

Jenna Burns, Nursing

Juan Salazar, Director of Pediatric Infectious Diseases, Connecticut Children's Medical Center

Advisor: Elizabeth Anderson, Associate Professor, Nursing

### **25. Resilience in Older Adults with HIV/AIDS**

Margaret Holmes, Nursing

Advisor: Elizabeth Anderson, Associate Professor, Nursing

### **26. Self-Medication Practices of Undergraduate Students: Drug Combinations That Increase Risk of GI Bleeding**

Kara Dazkevich, Nursing

Kim Vo, Nursing

Heather Buck, Nursing

Kristin Summers, Graduate, School of Nursing, May 2012

Michelle Santos, Graduate, School of Nursing, May 2012

Advisor: Patricia Neafsey, Professor, Nursing

### **27. Self-Medication Practices of Undergraduate College Students: Non-Medical Prescriptive Stimulant Use**

Kim Vo, Nursing

Heather Buck, Nursing

Kara Dazkevich, Nursing

Kristin Summers, Graduate, School of Nursing, May 2012

Michelle Santos, Graduate, School of Nursing, May 2012

Advisor: Patricia Neafsey, Professor, Nursing



## **28. Self-Medication Practices of Adults with Sickle Cell Disease**

Courtney Beyers, Nursing

Victoria Odesina, Nurse Practitioner, University of Connecticut Health Center

Advisor: Patricia Neafsey, Professor, Nursing

# **HALLWAY**

## **School of Nursing**

### **29. Media Representations of Labor and Delivery: A Preliminary Investigation**

Brenna Czudak, Nursing

Advisor: Thomas Long, Associate Professor, Nursing

### **30. Partnerships to Inform Practice: Advancing Correctional Nurse Competencies for Quality Care**

Bing Zheng, Nursing

Advisor: Denise Panosky, Assistant Clinical Professor, Nursing

### **31. Pain Management for Opioid Tolerant Patients**

Casey Martin, Nursing

Advisor: Deborah McDonald, Associate Professor, Nursing

### **32. Do Published Studies of Educational Outreach Provide Documentation of Potentially Important Characteristics?**

Nicole Miller, Nursing

Advisor: Thomas Van Hoof, Associate Professor, Nursing

### **33. Limited English Proficient Patients use of Family Members and Interpreters: A Pilot Study**

Brittany Histing, Nursing

Advisor: Desiree Diaz, Assistant Clinical Professor, Nursing

### **34. Neonatal Nurses' Perceptions of Pain Management: Results from the U.S. and China**

Laura Keating, Nursing

Kimberly Chang, Nursing

Advisor: Xiaomei Cong, Assistant Professor, Nursing

# **NORTH READING ROOM**

## **Technology Incubator Program**

### **35. Chondrogenic Disease Modeling: A Study of Signaling Across IPS and HESC derived Chondrocytes**

Mike Tassavor, Molecular and Cell Biology, May 2012 Graduate

Advisor: Caroline Dealy, Associate Professor, Center for Regenerative Medicine and Skeletal Development, Department of Reconstructive Sciences, Department of Orthopaedic Surgery, University of Connecticut Health Center

Additional Advisor: Sara Patterson, PhD, Center for Regenerative Medicine and Skeletal Development, Department of Reconstructive Sciences, University of Connecticut Health Center

### **36. Evaluation of AKT1 Synbody: A Novel Peptidic Binding Ligand**

Marta Chlus, Chemical Engineering

Advisor: Caroline Dealy, Associate Professor, Center for Regenerative Medicine and Skeletal Development, Department of Reconstructive Sciences, Department of Orthopaedic Surgery, University of Connecticut Health Center

## **School of Agriculture and Natural Resource**

### **37. Prevalence, Effects and Management of Bovine Leukosis Virus in Dairy Cattle**

Tia Ciliano, Agriculture and Natural Resources

Advisor: Heather White, Assistant Professor, Animal Science

### **38. Pre-partum Insulin Resistance in Dairy Cattle Alters Offspring Birth Weight and Response to Glucose**

Lisa Dauten, Animal Science

Advisor: Heather White, Assistant Professor, Animal Science

### **39. Hepatic Patatin-like Phospholipase Domain-containing 3 mRNA Expression is Decreased during Feed Restriction and in Transition Dairy Cows**

Molly Viner, Animal Science

Advisor: Heather White, Assistant Professor, Animal Science

### **40. Cherry Picking Recombinant Vaccinia Virus**

Peter Larson, Pathobiology

Advisor: Paulo Verardi, Assistant Professor, Pathobiology

**41. Minimum Requirements for Vaccinia Virus Early Gene Expression in Mammalian Cells**

Ethan Sarnoski, Pathobiology

Advisor: Paulo Verardi, Assistant Professor, Pathobiology

**42. Designing a Microfluidic Protozoa Separator for Genetic Analysis of Microbial Eukaryotes in Termite Guts**

Erika Orner, Pathobiology

Advisor: Leslie Shor, Assistant Professor, Chemical and Biomolecular Engineering

**43. Investigations in Early Detection and Diagnosis of Mastitis Utilizing Ultrasound Technology**

Elizabeth Alexander, Pathobiology

John Riesen, Professor Emeritus, Animal Science

Advisor: Sheila Andrew, Associate Professor, Animal Science

**44. The Effect of Poor Maternal Nutrition on Satellite Cell Number and Activity**

Rachel Forbes, Animal Science

Advisor: Sarah Reed, Assistant Professor, Animal Science

**45. Characterization of Equine Muscle Satellite Cells**

Tymoteusz Siwy, Animal Science

Advisor: Sarah Reed, Assistant Professor, Animal Science

**46. Effects of Poor Maternal Nutrition during Gestation on Gene Expression in Renal Adipose Tissue of Lambs**

Alison Bush, Animal Science

Maria Hoffman, Graduate Student, Animal Science

Kristen Peck, Graduate Student, Animal Science

Advisor: Kristen Govoni, Assistant Professor, Animal Science

**47. Effects of Poor Maternal Nutrition on Gene Expression in Bone Marrow Stromal Cells from Lambs**

Dana Kaelin, Animal Science

Advisor: Kristen Govoni, Assistant Professor, Animal Science

**48. Characterization of Primary Bovine Mammary Epithelial Cells for In Vitro Experiments**

Cameron Smart, Animal Science

Advisor: Kristen Govoni, Assistant Professor, Animal Science

#### **49. Effects of Maternal 25-hydroxycholecalciferol (25OHD3)**

##### **Supplementation on Fetal Bone Development in Pigs**

Katelyn McFadden, Animal Science

Maria Hoffman, Graduate Student, Animal Science

J.D. Starkey, J.D. Coffey, E.A. Hines, C.W. Starkey - Texas Tech University

Advisor: Kristen Govoni, Assistant Professor, Animal Science

#### **50. Effects of Poor Maternal Nutrition on GH, IGF-I, Insulin, and Leptin Concentrations in Pregnant Ewes**

Michelle Forella, Animal Science

Amanda Fox, Animal Science

Kristen Peck, Graduate Student, Animal Science

Maria Hoffman, Graduate Student, Animal Science

Steven Zinn, Professor/Department Head, Animal Science

Kristen Govoni, Assistant Professor, Animal Science

Advisor: Steven Zinn, Professor/Department Head, Animal Science

#### **51. The Effects of Maternal Nutrition During Gestation on Postnatal Growth of Offspring**

Amanda Fox, Animal Science

Michelle Forella, Animal Science

Kristen Peck, Graduate Student, Animal Science

Melissa Rokosa, Graduate Student, Animal Science

Kristen Govoni, Assistant Professor, Animal Science

Advisor: Steven Zinn, Professor/Department Head, Animal Science

#### **52. Ranavirus Prevalence in Eastern Connecticut Wood Frogs**

Kelly O'Connor, Natural Resources

Advisor: Tracy Rittenhouse, Assistant Professor, Natural Resources and the Environment

#### **53. Development and Validation of Reproductive Behavioral Endpoints for Mummichog, an Important Estuarine Model**

Tanya Lama, Natural Resources

Chelsea Blatchley, Graduate Student, Natural Resources

Advisor: Thijs Bosker, Assistant Professor, Natural Resources and the Environment/Center for Environmental Sciences and Engineering

#### **54. Food Resource Competition Between Eastern and New England Cottontails**

Samantha Kremidas, Natural Resources

Advisor: Morty Ortega, Associate Professor, Natural Resources and the Environment

#### **55. Governing Climate Change: Local Impacts on a Global Problem**

Andy Bilich, Natural Resources

Advisor: Mark Boyer, Professor/Department Head, Political Science

#### **56. Associations between Diet Quality and Adiposity Among Preschoolers from Low Socioeconomic Status**

Brittany Christopher, Allied Health Sciences

Mastaneh Sharafi, Graduate Student, Allied Health Sciences

Advisor: Valerie Duffy, Professor, Allied Health Sciences

#### **57. Using Technology to Measure Activity Levels among Older Population**

Celina Rogers, Allied Health Sciences

Elizabeth Tagg, Graduate Student, Human Development and Family Studies

Advisor: Idethia Harvey, Assistant Professor, Human Development and Family Studies

### **School of Pharmacy**

#### **58. Synthesis and SAR for Side Chain Oxysterol Agonists of the Hedgehog Signaling Pathway**

Audrey Corman, Pharmacy

Albert DeBerardinis, Post-Doc, Pharmacy

Advisor: Kyle Hadden, Assistant Professor, Pharmaceutical Sciences

#### **59. Multiphasic CFD model to Characterize Inhaler-Spacer Interactions**

Michael Saito, Pharmacy

Cindi Sounthonevat, Pharmacy

Saurabh Sarkar, Graduate Student, Pharmacy

Advisor: Bodhisattwa Chaudhuri, Assistant Professor, Pharmaceutical Sciences

#### **60. The Protein TNIP1 Controls Production of Skin Cell "First Responders": Implications for Cutaneous Disease and Wound Healing**

Michael Stamatis, Pharmacy

Anastasia Shmukler, Pharmacy

Vincent Ramirez, Graduate Student, Pharmacy

Advisor: Brian Aneskievich, Associate Professor, Pharmaceutical Sciences

## **College of Liberal Arts and Sciences**

### **61. Detail and Gestalt Focus in Spontaneous Descriptions by Individuals with Optimal Outcomes From ASD**

Allison Fitch, Psychology

Advisor: Inge-Marie Eigsti, Associate Professor, Psychology

### **62. Infant Sensitivity to Audiovisual Asynchrony in Speech**

Arielle Rubin, Psychology

Katie Shaw, Graduate Student, Psychology

Advisor: Heather Bortfeld, Associate Professor, Psychology

### **63. Parental Stress in Relation to the Nature and Severity of Autism Symptoms**

Emily Fox, Psychology

Advisor: Marianne Barton, Associate Clinical Professor, Psychology

### **64. How Parent Child Relationship Satisfaction and Time Spent with Child Post-Divorce are Associated with Parents' Mental Health**

Jennifer Barney, Psychology and Human Development and Family Studies

Advisor: Edna Brown, Assistant Professor, Human Development and Family Studies

### **65. Goals, Processes, And Outcomes Of An Adventure-Based Camp Program For Young Adults Living With a Chronic Or Life Threatening Illness**

Katherine O'Brien, Human Development and Family Studies

Advisor: Preston Britner, Professor, Human Development and Family Studies

### **66. The Implications of Parenting Behaviors for Latino Youth's Well-Being**

Andrea Lopez Salazar, Human Development and Family Studies

Advisor: Annamaria Csizmadia, Assistant Professor, Human Development and Family Studies

### **67. Individual and Family Factors Associated with Mental Health in Colorectal Cancer Survivors**

Shelby Borowski, Human Development and Family Studies

Katrina Nygren, Human Development and Family Studies

Elizabeth Tagg, Graduate Student, Human Development and Family Studies

Andrew Salner, Department of Radiation Oncology, Hartford Hospital

Advisor: Keith Bellizzi, Associate Professor, Human Development and Family Studies

**68. Disability Literacy and Attitudes Towards Autism Spectrum Disorders**

Cathryn Ryan, Human Development and Family Studies

Advisor: Anne Farrell, Associate Professor, Human Development and Family Studies

**69. Exploring Physical Activity Identity Among College Undergraduate Women**

Lindsey Leaverton, Human Development and Family Studies

Elizabeth Tagg, Graduate Student, Human Development and Family Studies

Advisor: Idethia Harvey, Assistant Professor, Human Development and Family Studies

**70. Reasons for Divorce and the Effects on Spousal Adjustment**

Shamara James, English

Hagar Odoom, Human Development and Family Studies

Advisor: Edna Brown, Assistant Professor, Human Development and Family Studies

**71. Gender-Based Disparities in the Cognitive Outcome of Premature Infants: A Meta-Analysis**

Mona Lisa Sadek, Psychology

Advisor: R. Holly Fitch, Associate Professor, Psychology

**72. A Pilot Study of HI Brain Injuries of Prematurity**

Haley Garbus, Psychology

Advisor: R. Holly Fitch, Associate Professor, Psychology

**73. Prevalence and Severity of ADHD Symptoms in Children with ASD**

Kristen Weglarz, Psychology

Advisor: Deborah Fein, Distinguished Professor, Psychology

**74. DSM-5 Changes in the Diagnostic Criteria of Repetitive and Restrictive Behaviors within Autism Spectrum Disorder: Implications for Diagnosis in Young Children**

Danielle Murphy, Psychology

Advisor: Deborah Fein, Distinguished Professor, Psychology

**75. The Assessment of Off-Task Behaviors in Children with Autism Spectrum Disorders**

Aubrey Wank, Psychology

Advisor: Deborah Fein, Distinguished Professor, Psychology

**76. Longitudinal Associations among Father Anxiety, Father Involvement, and Father-Child Relationships**

Fariya Naz, Psychology

Victoria Aguilera, Speech, Language, and Hearing Sciences

Yeonsoo Yoo, Graduate Student, Human Development and Family Studies

Advisor: Kari Adamsons, Assistant Professor, Human Development and Family Studies

**77. Bureaucracy over Democracy?: Error, Oversight and Confusion in the Counting of Connecticut's Votes**

Christopher Kempf, Political Science

Advisor: Ronald Schurin, Associate Professor, Political Science

**78. Exceptionalist-in-Chief: Presidents, American Exceptionalism, and U.S. Foreign Policy Since 1897**

John Dearborn, Political Science

Advisor: Ronald Schurin, Associate Professor, Political Science

**79. Gender Wage Gap Policies in the United States: Equal Access or Equal Treatment Rights?**

Claire Simonich, Political Science

Advisor: Virginia Hettinger, Associate Professor, Political Science

**80. The Effects of Ideological Supplements on Individual Voting Behavior**

John Khalil, Political Science

Advisor: Virginia Hettinger, Associate Professor, Political Science

**81. The Exclusivity of Activism Before the United States Supreme Court: Amicus Curiae Briefs as a Tool of Organized Interest Elites**

Erica Mason, Political Science

Advisor: Virginia Hettinger, Associate Professor, Political Science

**82. Banking on a Rescue: IMF Loan Size and its Relationship with US and Money-center Bank Interests**

Garrett Rapsilber, Political Science

Advisor: Jennifer Sterling-Folker, Professor, Political Science

**83. Die Zeitsbewältigung: Perceptions of Time in 20th Century German Constitutions**

Deanne Wallace, Political Science

Advisor: Cyrus Zirakzadeh, Professor, Political Science



**84. Battling Hunger: Legislative Efforts Towards Food Security in India**

Syeda Haider, Political Science

Advisor: Shareen Hertel, Associate Professor, Political Science

**85. Ruth Sarles and the Battle Against American Intervention in World War II**

Sergio Goncalves, Political Science

Advisor: John Garry Clifford, Professor, Political Science

**86. Criminalizing Mental Illness: Juvenile Offenders in the U.S. Criminal Justice System**

Sarah Purtil, Political Science

Advisor: Eva Troyb, Graduate Student, Psychology

**87. Community-Centered Design: Using Applied Research to Develop a New Identity for the Windham Harm Reduction Coalition**

Celia Poirier, Communication

Advisor: Rory McGloin, Assistant Professor, Communication

**88. Turn-Taking in Typically Developing Children and Children with Autism**

Stephanie Sala, Communication

Manuela Wagner, Associate Professor, Literature, Culture and Languages (German)

Advisor: Letitia Naigles, Professor, Psychology

**Neag School of Education**

**89. The Effects of Resistance Training vs. Endurance Training on Plasma Catecholamine Responses to a Maximal Treadmill Test**

Alexander Bryce, Exercise Science

Advisor: William Kraemer, Professor, Kinesiology

**90. The Effects of Altering Macronutrient Composition on C-Reactive Protein Levels in Overweight and Obese Subjects with Metabolic Syndrome**

Alexis Rudd, Exercise Science

Advisor: Jeff Volek, Associate Professor, Kinesiology

**91. The Relationship between Heart Rate and Rating of Perceived Exertion in the Lab Versus Field Setting**

Alex Papanastassiou, Exercise Science

Advisor: Lawrence Armstrong, Professor, Kinesiology

## **92. Teacher Questioning in Reading: Alignment to the Common Core State Standards**

Rebecca Duchesneau, Secondary Education

Advisor: Catherine Little, Associate Professor, Educational Psychology

## **93. Teachers' Follow-up Questions: How they Relate to a Student's Response**

Sarah Forte, Secondary Education

Advisor: Catherine Little, Associate Professor, Educational Psychology

## **94. Practicing Teachers' Self-Efficacy Beliefs Regarding their Use of Culturally Responsive Teaching Practices**

Margaret Seclen, Elementary Education

Advisor: Catherine Little, Associate Professor, Educational Psychology

## **95. Code Switching Among Emergent Bilingual Elementary School Students: A Review of the Literature**

Chelsie Giegerich, Elementary Education

Advisor: Mary Truxaw, Associate Professor, Curriculum and Instruction

# **College of Liberal Arts and Sciences**

## **96. Hillslope Sediment Analysis Using Fallout Radionuclides, Colorado Front Range**

Hannah Mondrach, Geoscience

Advisor: William Ouimet, Assistant Professor, Geography

## **97. Delay of Principle B in Spontaneous Speech**

Kelcie Reid, Linguistics

Advisor: William Snyder, Professor, Linguistics

## **98. The Influence of the "Celtic": Quest for Paradise in Chwedl Iarllles y Ffynnon, Le Chevalier au Lion, and Frances Hodgson Burnett's The Secret Garden**

Grace Vasington, English

Advisor: Thomas Recchio, Professor, English

## **99. Dreaming of First Bites and Dark Nights: The Transformed Vampire and Female Empowerment**

Kelly Blanchard, English

Advisor: Pamela Bedore, Assistant Professor, English

**100. An Auction Theoretic Approach to Mergers under Incumbency**

Yuriy Loukachev, Economics

Advisor: Mikhael Shor, Assistant Professor, Economics

## **HALLWAY**

### **College of Liberal Arts and Sciences**

**101. The A Word: Deconstructing the Language Behind Affirmative Action**

Charity Whitehead, African American Studies and Psychology

Advisor: Michelle Williams, Associate Professor, Psychology

**102. Remembering the Holocaust & Combating Indifference: the United States Holocaust Memorial Museum and the Jewish Museum Berlin**

David Schwegman, History

Advisor: Cathy Schlund-Vials, Associate Professor, English

**103. Demonic Possession and Mass Conversion Disorder: A Historical Comparison**

Laura Hatchman, History

Advisor: Cornelia Dayton, Associate Professor, History

**104. The Impacts of the Zebra Mussel (*Dreissena polymorpha*) on the Feeding Ecology of Early Life Stage Striped Bass (*Morone saxatilis*) and River Herring (*Alosa pseudoharengus* and *Alosa aestivalis*)**

Grace Casselberry, Ecology and Evolutionary Biology

Advisor: Eric Schultz, Associate Professor, Ecology and Evolutionary Biology

**105. Potential of Integrated Multi-Trophic Aquaculture for the Ornamental Pet Trade**

Steven Ehrlich, Ecology and Evolutionary Biology

Advisor: Eric Schultz, Associate Professor, Ecology and Evolutionary Biology

**106. The Effect of Land-locking on Intestinal Aquaporin 1 Expression in *Alosa pseudoharengus* (alewife)**

Emily Funk, Ecology and Evolutionary Biology

Advisor: Eric Schultz, Associate Professor, Ecology and Evolutionary Biology

**107. Population Ecology of the Invasive Ant *Myrmica Rubra***

Aine O'Sullivan, Ecology and Evolutionary Biology

Advisor: Eldridge Adams, Professor, Ecology and Evolutionary Biology

**108. Reproductive Phenologies of Phyllostomid Bats from Costa Rica**

Ryan Hall, Ecology and Evolutionary Biology

Kathryne Durant, Ecology and Evolutionary Biology

Rachael Hyland, Ecology and Evolutionary Biology

Laura Cisneros, Graduate Student, Ecology and Evolutionary Biology

Advisor: Michael Willig, Professor, Ecology and Evolutionary Biology

## **SOUTH READING ROOM**

### **College of Liberal Arts and Sciences**

**109. Embryonic Development of the Northern Two-lined Salamander:  
Revisited 101 Years Later**

Taylor Ferguson, Ecology and Evolutionary Biology

Advisor: Elizabeth Jockusch, Associate Professor, Ecology and Evolutionary Biology

**110. An Analysis of the Notch Regulatory Gene fringe in Metamorphic  
Appendage Patterning of the Red Flour Beetle *Tribolium castaneum***

Devin O'Brien, Biological Sciences

Frank Smith, Graduate Student, Ecology and Evolutionary Biology

Advisor: Elizabeth Jockusch, Associate Professor, Ecology and Evolutionary Biology

**111. Comparison of Nuclear and Mitochondrial Gene Phylogenies for the  
New Zealand Cicada Genus *Kikihia***

Sarah Banker, Biological Sciences

Advisor: Chris Simon, Professor, Ecology and Evolutionary Biology

**112. Prostate Cancer and Chronic Disease Disparities among Latino Men**

Veronica Bacong, Biological Sciences

Melanie Castellanos, Psychology

Ana Cerda, Biological Sciences

Livja Koka, Biological Sciences

Besnik Qeriqi, Biological Sciences

Advisor: Thomas Blank, Professor, Human Development and Family Studies

**113. Cancer Attitudes and Beliefs in a College Setting**

Livja Koka, Biological Sciences

Melanie Castellanos, Psychology

Advisor: Thomas Blank, Professor, Human Development and Family Studies

**114. Polycyclic Aromatic Hydrocarbon Extraction from Avian Eggs by Ostro Protein Separation and Analysis by UPLC**

Gina Guerrero, Chemistry

Anthony Provatas, Research Associate, Center for Environmental Sciences and Engineering

Advisor: James Stuart, Professor Emeritus, Chemistry

**115. Synthesis Of and Oxidations With "Bobbitt's Salt": 4-Acetamido-2,2,6,6-Tetramethylpiperidine-1-Oxoammonium Tetrafluoroborate**

Casey Camire, Chemistry

Advisor: Nicholas Leadbeater, Associate Professor, Chemistry

Advisor: James Bobbitt, Professor Emeritus, Chemistry

**116. Preparation of an Electrophilic Difluoromethylating Reagent**

Timothy Monos, Chemistry

Advisor: Nicholas Leadbeater, Associate Professor, Chemistry

**117. Development of Method for Determination of Sodium Content in the Threespine Stickleback**

Marisia Fikiet, Chemistry

Alexandra Longacre, Chemistry

Eric Kim, Pathobiology

Advisor: Robert Michel, Professor, Chemistry

**118. Chemical Functionalization of Reduced Graphene Oxide for Self-Assembly**

Adam Woomer, Chemistry

Advisor: Douglas Adamson, Associate Professor, Chemistry

**119. Synthesis of Rhenium(I) Complex for CO<sub>2</sub> Activation**

Ebun Ojekunle, Chemistry

John Ng'ang'a, Graduate Student, Chemistry

Christian Samanamu, Post-Doc, Chemistry

Advisor: Alfredo Angeles-Boza, Assistant Professor, Chemistry

**120. Oxoammonium Salt Oxidation of Alcohols to Aldehydes and Carboxylic Acids**

Nyle Blanck, Chemistry

Advisor: William Bailey, Professor, Chemistry

## **121. Contextual Influences on Phonetic Categorization in Developmental Populations**

Vanessa Springer, Psychology

Alexis Giroux, Speech, Language, and Hearing Sciences

Heather McSherry, Speech, Language, and Hearing Sciences

Jean Campbell, Graduate Student, Speech, Language, and Hearing Sciences

Advisor: Rachel Theodore, Assistant Professor, Speech, Language, and Hearing Sciences

## **122. Adaptation to Talker-specific Phonetic Variation in Adults with Dyslexia: Preliminary Findings**

Katlyn Salvador, Speech, Language, and Hearing Sciences

Rebecca Sylvia, Speech, Language, and Hearing Sciences

MaryKate Bisailon, Speech, Language, and Hearing Sciences

Advisor: Rachel Theodore, Assistant Professor, Speech, Language, and Hearing Sciences

## **123. Locus of Phonological Deficits in Adults with Dyslexia: Preliminary Evidence**

MaryKate Bisailon, Speech, Language, and Hearing Sciences

Rebecca Sylvia, Speech, Language, and Hearing Sciences

Katlyn Salvador, Speech, Language, and Hearing Sciences

Advisor: Rachel Theodore, Assistant Professor, Speech, Language, and Hearing Sciences

## **124. Talker-specific Perceptual Processing**

Devin Roscillo, Speech, Language, and Hearing Sciences

Sarah Montanaro, Speech, Language, and Hearing Sciences

Janice Lomibao, Graduate Student, Speech, Language, and Hearing Sciences

Advisor: Rachel Theodore, Assistant Professor, Speech, Language, and Hearing Sciences

## **125. Effects of Auditory and Visual Variability on Word Learning in Children**

Kelly Casey, Speech, Language, and Hearing Sciences

Alex Bohner, Speech, Language, and Hearing Sciences

Shayna Marmon, Speech, Language, and Hearing Sciences

Advisor: Rachel Theodore, Assistant Professor, Speech, Language, and Hearing Sciences

### **126. Evaluating Narrative Discourse in Patients with Traumatic Brain Injury**

Alexandra Addabbo, Biological Sciences and Speech, Language and Hearing Sciences

Advisor: Carl Coelho, Professor, Speech, Language, and Hearing Sciences

### **127. How Caffeine and Physostigmine Affect Memory in Rats**

Alana Marczak, Biological Sciences

Robert Renner, Biological Sciences

Shang Lin (Tommy) Lee, Biological Sciences and Psychology

Mohamed Eldirany, Glastonbury High School

Nickie Paul, Graduate Student, Psychology

Advisor: Etan Markus, Professor, Psychology

### **128. Dissociating Place Cell Activity Across the Dorsal and Ventral Regions of the Hippocampus**

Shang Lin (Tommy) Lee, Biological Sciences and Psychology

Andrew Bade, Biological Sciences

Samantha Collins, Psychology

Advisor: Etan Markus, Professor, Psychology

### **129. Changes in Hippocampal EEG during Place and Response Task Learning in Rats**

Rachel Jackson, Cognitive Science

Gregory Newman, Psychology

Stephanie Vu, Physiology and Neurobiology

Xiao Li, Physiology and Neurobiology

Advisor: Etan Markus, Professor, Psychology

### **130. Determining Which Regions of the Hippocampus Respond to Emotional Context**

Youstina Youssef, Cognitive Science

Neiha Kidwai, Biological Sciences

Xiao Li, Physiology and Neurobiology

Amanda Swanson, Graduate Student

Advisor: Etan Markus, Professor, Psychology

### **131. Hippocampal Arc Knockdown Effects on Exploration and Memory**

Patrick Rabus, Molecular and Cell Biology

Krista Wolffer, Animal Science

Jennifer Varughese, Biological Sciences

Nickie Paul, Graduate Student, Psychology

Advisor: Etan Markus, Professor, Psychology

Additional Advisor: Sara Pallay, Graduate, Bachelor of Science, 2012

### **132. Transgenic Overexpression of Neurexin and Collybistin in the Rat Brain**

Christopher Fekete, Physiology and Neurobiology

Danielle Freeman, Chemistry

Advisor: Angel de Blas, Professor, Physiology and Neurobiology

### **133. The Effects of Aging and Injury on the Subventricular Zone Stem Cell Niche**

John Peters, Biological Sciences

Advisor: Joanne Conover, Associate Professor, Physiology and Neurobiology

### **134. MRI Analysis of Ventriculomegaly in Aging Humans**

Ye Sun, Biological Sciences

Advisor: Joanne Conover, Associate Professor, Physiology and Neurobiology

### **135. Developmental Invasion of Astrocytes into the Mouse Rostral Migratory Stream**

Nicholas Gallo, Physiology and Neurobiology

Matthew Eastman, Graduate Student, Physiology and Neurobiology

Advisor: Joanne Conover, Associate Professor, Physiology and Neurobiology

### **136. The Influence of Repeated Mild Traumatic Brain Injury on the Sub Ventricular Zone**

Lillian Talbot, Physiology and Neurobiology

Rebecca Acabchuk, Graduate Student, Physiology and Neurobiology

Meredith Halling, Graduate Student, Physiology and Neurobiology

Advisor: Joanne Conover, Associate Professor, Physiology and Neurobiology

### **137. Analyzing Gliosis in the Human Brain using Mouse Models**

Andrew Trinh, Physiology and Neurobiology

Advisor: Joanne Conover, Associate Professor, Physiology and Neurobiology



**138. The Role of CUGBP 4 (CELF4) in Developing Retinal Neurons**

Sean Congdon, Physiology and Neurobiology

Rouf Banday, Post-Doc, Physiology and Neurobiology

Advisor: Rahul Kanadia, Assistant Professor, Physiology and Neurobiology

**139. Biomimetic Calcium Doped Manganese Oxide for Water Oxidation**

Kimiya Zafar, Physiology and Neurobiology

David Kriz, Graduate Student, Chemistry

Advisor: Steven Suib, Distinguished Professor, Chemistry

**140. Synthesis, Characterization and Application of Nickel-Doped OMS-2 Manganese Oxide Nanofibers in Lithium-Ion Batteries**

Amit Mehta, Physiology and Neurobiology

Curt Guild, Graduate Student, Chemistry

Advisor: Steven Suib, Distinguished Professor, Chemistry

**141. Alpha Zrp-Glucose Oxidase Intercalation and Release Maximization via Divalent Metal Ions ( $Mg^{2+}$ ,  $Ca^{2+}$ , and  $Ba^{2+}$ ) and Cationized Bovine Serum Albumin (BSA) for an Noninvasive Oral Alternative to Insulin Drug Therapies**

Momina Afrede, Biological Sciences

Advisor: Challa Kumar, Professor, Chemistry and Biochemistry

**142. Restoring Effort-Related Functions in Models of Depression Symptoms:**

**Reversing Fatigue Symptoms Induced by Catecholamine Depleting Agent Tetrabenazine with the Adenosine A2A Antagonist MSX-3**

Charlotte Freeland, Physiology and Neurobiology

Advisor: John Salamone, Distinguished Professor, Psychology

**143. Pharmacological Manipulations of Nucleus Accumbens Dopamine Using Tetrabenazine and MSX-3: Implications in Effort-Related Choice Behavior**

Saagar Pandit, Biological Sciences

Advisor: John Salamone, Distinguished Professor, Psychology

**144. Effort-Related Impairments Produced by Lipopolysaccharide**

Brian Epling, Individualized Major: Behavioral Neuroscience

Advisor: John Salamone, Distinguished Professor, Psychology

**145. Emergent Metonymy: The Production of Novel Metonyms in a Language Coordination Task.**

Robert Powers, Cognitive Science

Advisor: Whitney Tabor, Associate Professor, Psychology

**146. Indirect Activation of Abstract and Concrete Terms in the Visual World Paradigm**

Chris Brozdowski, Cognitive Science

Advisor: James Magnuson, Associate Professor, Psychology

**147. The Role of Drosophila PGC-1 Homologue Spargel in Dopaminergic Neuroprotection against Rotenone**

Munzareen Khan, Cognitive Science

Advisor: Yih-Woei Fridell, Assistant Professor, Allied Health Sciences

**148. An Investigation into CILT Efficacy in Aphasia Therapy**

Kaila Manca, Cognitive Science

Advisor: Emily Myers, Assistant Professor, Speech, Language, and Hearing Sciences

**149. Logarithmic Autoregressive Conditional Duration (ACD) Models**

James Anderson, Mathematics/Statistics

Lilian Cheung, Statistics

Advisor: Nalini Ravishanker, Professor, Statistics

**150. Determining the Spectrum of the Laplacian on 3N-Gaskets.**

Jason Marsh, Mathematics

Max Margenot, Mathematics

Nikhaar Gupta, Mathematics

William Oakley, Undergraduate Student, North Carolina State University

Advisor: Alexander Teplyaev, Assistant Professor, Mathematics

**151. The Top Lyapunov Exponent of Multiplicative Stochastic Processes**

David Wierschen, Mathematics

Becky Simonsen, Mathematics

Alex Baldenko, Graduate Student, Mathematics

Advisor: Maria Gordina, Associate Professor, Mathematics

### **152. Music Analysis with Fractal Strings: A Complex-Dimensional View**

Tyler Reese, Mathematics

Advisor: Luke Rogers, Assistant Professor, Mathematics

Additional Advisor: Alexander Teplyaev, Professor, Mathematics

Additional Advisor: Ronald Squibbs, Associate Professor, Music

### **153. Mutagenicity of 8-oxoguanine Lesion Adjacent to an Abasic site in Escherichia coli Cells Proficient or Deficient in Y-family DNA Polymerase(s)**

Savas Tsikis, Molecular and Cell Biology

Kimberly Rebello, Chemistry

Advisor: Ashis Basu, Professor, Chemistry

### **154. Effects of Estrogen on Male Gonadal Development**

Robert Stickels, Molecular and Cell Biology

Advisor: Andrew Pask, Associate Professor, Molecular and Cell Biology

### **155. Serum Type II Collagen Telopeptide (CTX II) Levels in a Rabbit Septic Arthritis model**

Julianna Lau, Biological Sciences

Advisor: Mark Lee, Assistant Professor of Orthopaedic Surgery, Department of Pediatrics, University of Connecticut School of Medicine

Advisor: Arlene Albert, Professor, Molecular and Cell Biology

### **156. Dynamic Light Scattering Studies on the Stability of Membrane Mimetic Lipodisq® Nano-particles**

Diane Yu, Structural Biology and Biophysics

Advisor: Arlene Albert, Professor, Molecular and Cell Biology

### **157. Thermal Stability and Gold Binding Properties of Delipidated Gold Binding Mutants**

Edward Courchaine, Structural Biology and Biophysics

Advisor: Robert Birge, Professor, Chemistry

### **158. Quantifying the Local pH Change Induced by Protein Based Artificial Retina**

Nandan Pandit, Molecular and Cell Biology

Advisor: Robert Birge, Professor, Chemistry

**159. The Role of Horizontal Gene Transfer in the Evolution of a Thermophilic Bacterium**

Anna Green, Molecular and Cell Biology

Kristen Swithers, Post-Doc, Molecular and Cell Biology

Advisor: Johann Peter Gogarten, Distinguished Professor, Molecular and Cell Biology

**160. Examining Haloarchaeal Phylogroups through the Creation of a Tree from Environmental and Reported Bacteriorhodopsin Sequences.**

Jeffrey O'Brien, Molecular and Cell Biology

Amanda Dick, Graduate Student, Molecular and Cell Biology

Nikhil Ram Mohan, Graduate Student, Molecular and Cell Biology

Matthew Fullmer, Graduate Student, Molecular and Cell Biology

R. Thanke Papke, Assistant Professor, Molecular and Cell Biology

Advisor: Johann Peter Gogarten, Distinguished Professor, Molecular and Cell Biology

**161. Adaptive Immune Response to Neo-Antigens Generated *In Vivo* by Spontaneous Mutations**

Rory Geyer, Molecular and Cell Biology

Siu-Pok Yee, Assistant Professor, Genetics and Developmental Biology, and Director, Gene Targeting and Transgenic Facility, University of Connecticut Health Center

Advisor: Pramod Srivastava, Professor, Department of Immunology, School of Medicine, Director, Center for Immunotherapy of Cancer and Infectious Disease, and Director, Carole and Ray Neag Comprehensive Cancer Center, University of Connecticut Health Center

**162. Uptake and Vesicle Trafficking of Opsonized and Non-opsonized Silica Particles during Silica-induced Cell Death**

Alexandra Goetjen, Molecular and Cell Biology

Gaurav Joshi, Graduate Student, Molecular and Cell Biology

Advisor: David Knecht, Professor, Molecular and Cell Biology

**163. Measuring the Actin Binding Kinetics of Filamin using mEos, a Novel Photoconvertible Probe**

Wells LaRiviere, Molecular and Cell Biology

Reed LaRiviere, Molecular and Cell Biology

Advisor: David Knecht, Professor, Molecular and Cell Biology

**164. Probing the Interaction Between Translational GTPase BipA and the 70S Ribosome Using FDS-AUC**

David Levitz, Molecular and Cell Biology

Advisor: Victoria Robinson, Associate Professor, Molecular and Cell Biology

**165. Functional Characterization of the ATP/ADP Carrier by Luminescence**

Catherine O'Brien, Molecular and Cell Biology

Ashley Long, Graduate Student, Molecular and Cell Biology

Advisor: Nathan Alder, Associate Professor, Molecular and Cell Biology

**166. Enterohemorrhagic *Escherichia coli* 0157 Manipulates Multiple Host Factors During Infection**

Sarah Grout, Molecular and Cell Biology

Advisor: Kenneth Campellone, Assistant Professor, Molecular and Cell Biology

**167. Development of a Fluorescence Assay to Probe PKR Dimerization**

Michael Bruno, Physiology and Neurobiology

Bushra Husain, Graduate Student, Molecular and Cell Biology

Advisor: James Cole, Professor, Molecular and Cell Biology

**168. Optimization of a Gene Circuit to Repress Gene Expression in *Vaccinia Virus***

Shari Perez, Molecular and Cell Biology

Advisor: Paulo Verardi, Assistant Professor, Pathobiology

**169. Aronia Berry Juice Sensory Analysis by Harvest Time and Oral Sensory Phenotype**

Jeeha Park, Molecular and Cell Biology

Advisor: Valerie Duffy, Professor, Allied Health Sciences

## **HALLWAY**

### **College of Liberal Arts and Sciences**

**170. Instrumentation for Slowing and Cooling of CaF Molecules with Optical Bichromatic Forces**

Tony Le, Physics

Advisor: Edward Eyler, Professor, Physics

**171. Karyotypic Variation Throughout the Metastatic Process**

Parker Sulkowski, Molecular and Cell Biology

Advisor: Rachel O'Neill, Professor, Molecular and Cell Biology

**172. Pre-Implantation Genetic Diagnosis: An Intersection of Science, Ethics, and Policy**

Himanayani Mamillapalli, Molecular and Cell Biology

Advisor: David Goldhamer, Professor, Molecular and Cell Biology

Advisor: Richard Hiskes, Professor, Political Science

**173. Optimization of a Melanoma Screening Program Based on a Computer Simulation Model for Metastasis**

Priya Ranade, Biological Sciences

Advisor: Michael Lynes, Professor, Molecular and Cell Biology

Advisor: James Michaelson, Scientific Director, Division of Surgical Oncology, Massachusetts General Hospital

**174. Irish Rebel Songs: Spreading the Word**

Christopher Wasko, Music Education

Advisor: Jamie Spillane, Associate Professor, Music

**175. Canvassing Generations: Art Through Postmemory**

Julianne Norton, Individualized Major: Transglobal Perspectives

Advisor: Ray DiCapua, Associate Professor, Art

***Along with students who are presenting at Frontiers, the students listed below will be presenting at a “Mini-Frontiers” event on April 21, 2013.***

**An Investigation of an Efficient System to Harvest Clean Energy from Structural Vibrations**

Bryan Blanc, Civil Engineering

Advisor: Ramesh Malla, Associate Professor, Civil and Environmental Engineering

**Sapling Functional Traits of Successional Specialists and Generalists in Tropical Wet Forest**

Frank Cervo, Environmental Science

Advisor: Robin Chazdon, Professor, Ecology and Evolutionary Biology

**Comparison of the Habitat Characteristics of a Successful and Failed Eelgrass *Zostera Marina* Restoration Test Planting**

Jennifer Dootz, Coastal Studies

Advisor: Jamie Vaudrey, Assistant Research Professor, Marine Sciences

**Effective Therapy Options Used to Treat Deaf Patients with Mental Disorders**

Meredith Freeman, Individualized Major: ASL, Deaf Culture, and Creative Arts Therapy

Advisor: Sherry Powell, Lecturer, Linguistics

**Processing of the Epstein-Barr Virus Noncoding RNAs, EBER1 and EBER2, and their Potential Oncogenic Role in the Host Cell**

Kristen Hughes, Molecular and Cell Biology

Advisor: Rachel O'Neill, Professor, Molecular and Cell Biology

**The *Times of London's* Support for Appeasement, September 1938-September 1939**

Mairead Hynes, History

Advisor: Joel Blatt, Associate Professor, History

**War-Weary Germans, American Occupiers, and the Nazi *Werwolf* Movement in Postwar Germany, 1945-1947**

Nick Hurley, History

Advisor: Charles Lansing, Associate Professor, History

**Marau Taaroa: The Last Queen of Tahiti**

Isabelle Nat, Art History

Advisor: Anne D'Alleva, Associate Professor, Art History



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## **Special Thanks**

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