

Poster Presentations

All poster presentations will be available for viewing from 8:30 a.m. to 3:30 p.m. on the 7th floor of the library. Student researchers will be available for discussion of their work in two sessions, as noted.

Poster Session I: 9 a.m. – 11 a.m.

- Poster #21** **Patrick J. Arnold** *History*
“Comparative Political Culture and Election Outcomes in New Hampshire and Vermont, 1976-2000”
Professor John W. Jeffries, Advisor
- Poster #41** **Maurisa P. Blackman** *Psychology*
“Predicting Fruit and Vegetable Consumption in a Resident College Population”
Professor Carlo DiClemente, Advisor
- Poster #20** **Melissa P. Blackman** *Biological Sciences*
“Characterization of Human Cone Specific Arrestin Binding in the Deactivation of Phototransduction”
Professor Phyllis Robinson, Advisor
- Poster #39** **Robert W. Crow** *Political Science*
“Safe at Home: The Effects of Pearl Harbor and September 11 on Surveillance Policy in America”
Professor Carol Barner-Barry, Advisor
- Poster #4** **Hadi P. Gharabaghi** *Visual Arts*
Undergraduate Research Award Scholar
“‘Where is My Friend’s House?’ Postmodernism, Immigration and Iranian Identity”
Professor Preminda Jacob, Advisor
- Poster #30** **Thomas Hsu** *Biochemical Engineering*
“Recombinant Membrane-Bound Receptors as Novel Biosensors”
Professor Leah Tolosa, Advisor
- Poster #43** **Elizabeth M. Humphries** *Biological Sciences*
Undergraduate Research Award Scholar
“Shouldn’t Every Species Have Its Own DNA? Exploring DNA Sharing Using the White Goose Complex”
Professor Kevin E. Omland, Advisor
- Poster #38** **Kathleen B. Kaluhiokalani** *Political Science*
“Brown v. Board of Education: Was it Enough?”
Professor Carol Barner-Barry, Advisor
- Poster #13** **Erin Loeliger** *Biochemistry and Molecular Biology*
“Unusual Occurrences: Effect of HIV-1 Matrix Mutations on Myristate Exposure”
Professor Michael Summers, Advisor
- Poster #12** **Anne Logie** *Biological Sciences*
“A Preliminary Analysis of Feather Microbial Communities on New World Passerines”
Professor Kevin Omland, Advisor
- Poster #8** **Chad McCormick** *Biochemistry and Molecular Biology*
Undergraduate Research Award Scholar
“Rapid Identification of HIV Drug-Resistant Strains by Electrospray Ionization Fourier Transform Mass Spectrometry (ESI-FTMS)”
Professor Daniele Fabris, Faculty Advisor

Poster Session I: 9 a.m. – 11 a.m.

- Poster #24** **Nayan Patel** *Biochemistry and Molecular Biology*
“Role of Zebrafish N-Cadherin in Neurogenesis”
Professor Rachel Brewster, Advisor
- Poster #9** **Faith Perfecto** *American Studies*
“What’s Wax Got To Do With It? Authenticity and Representation at the Great Blacks in Wax Museum”
Professor Patrice McDermott, Advisor
- Poster #11** **Natalie Podrazik** *Computer Science*
“FMetaCost: Calculating the Cost of Misclassification in Machine Learning Based on the Features of an Instance”
Professor Marie desJardins, Advisor
- Poster #37** **Daniel Smyth** *Political Science*
“Cote d’Ivoire and Pakistan: The Crippling Effects of Military Coup Regime Transitions on Judicial Human Rights Protection”
Professor Jeffrey Davis, Advisor
- Poster #1** **Elena Spieker** *Psychology*
“Feeling ‘Full’: What Aspects of Food Enhance Satiety?”
Professor Zoe S. Warwick, Advisor
- Poster #6** **Ian Tracy** *Biological Sciences*
“Defining Species Limits Through Color: Analysis of the Orchard Oriole Complex”
Professor Kevin Omland, Advisor
- Poster #27** **Carlos A. Uquillas** *Biological Sciences*
“The Role of Olfaction in Insect Feeding Behavior”
Professor Frank Hanson, Advisor
- Poster #23** **Eric Valentine** *Mathematical Finance*
Undergraduate Research Award Scholar
“Stochastic Process Models in Option Pricing”
Professor Muruhan Rathinam, Advisor
- Poster #26** **Sabrina Walborn** *Biological Sciences*
“Cloning and Expressing the Saccharomyces Cerevisiae Ribosomal L4 Protein in Escherichia Coli”
Professor Janice Zengel, Advisor
- Poster #31** **Stefanie E. Watson** *Music*
Undergraduate Research Award Scholar
“The Empowered Accompanist: A Collaborative Pianist’s Study of Copland Songs”
Professor Rachel Franklin, Advisor
- Poster #33** **Aye T. Win** *Biochemistry and Molecular Biology*
Undergraduate Research Award Scholar
“Kinetic Studies on Conformational Change of Gene 32 Protein”
Professor Richard Karpel, Advisor

Poster Session II: 11 a.m. – 1 p.m.

- Poster #34** **Benjamin S. Alpert** *Political Science*
“The Case of Yaser Hamdi: Evaluating the Legal Status of U.S. Citizens Held as Enemy Combatants”
Professor Carol Barner-Barry, Advisor
- Poster #15** **Cindy R. Claros** *Visual Arts*
Undergraduate Research Award Scholar
“Identity Matters: Contemporary Mexican Art in the U.S. and Mexico”
Professor Preminda Jacob, Advisor
- Poster #25** **James E. Dorsey IV** *Music*
Undergraduate Research Award Scholar
“Exploring Social Issues Through Music: An Album”
Professor William Kemp, Advisor
- Poster #36** **Steven E. Ellis** *Mathematics*
Undergraduate Research Award Scholar
“Implementation of a Cutting Plane Algorithm for DC Optimization”
Professor Madhu Nayakkankuppam, Advisor
- Poster #3** **Corey A. Fleischer** *Mechanical Engineering*
Undergraduate Research Award Scholar
“Pin Reinforced Light Weight Sandwich Panels”
Professor Marc Zupan, Advisor
- Poster #42** **Kenneth D. Gibbs Jr.** *Biological Sciences*
Undergraduate Research Award Scholar
“Dendritic Cells Acquire Functional Peptide-MHC Complexes from Dead Tumor Cells”
Professor Suzanne Ostrand-Rosenberg, Advisor
- Poster #2** **Christina M. Humphries** *Psychology*
“The Effect of Flavor-Calorie Associations on Long-Term Food Intake in Rats”
Professor Zoe S. Warwick, Advisor
- Poster #7** **Laura E. Jones** *Political Science/History*
“The Czech and Slovak Republics: Political and Economic Effects of EU Membership”
Professor Cynthia Hody, Advisor
Professor Kathryn Brown, Advisor
- Poster #22** **Linda A. Jones** *Psychology*
“The Effect of Public Versus Private Setting During Invasive Medical Procedures on the Distress of Children with Cancer”
Professor Lynnda M. Dahlquist, Advisor
- Poster #44** **Isaac A. Kinde** *Biological Sciences*
Undergraduate Research Award Scholar
“Antiviral Inhibition of the HIV-1 Capsid Protein”
Professor Michael F. Summers, Advisor
- Poster #5** **Tyi L. McCray** *Chemistry*
Undergraduate Research Award Scholar
“Investigation of Epoxide Synthesis in Biphasic Reaction Conditions”
Professor Dale Whalen, Advisor
- Poster #17** **James G. McIlhargey** *Physics*
Undergraduate Research Award Scholar
“Reflection and Transmission of Light within a Rotating Frame”
Professor Morton H. Rubin, Advisor

Poster Session II: 11 a.m. – 1 p.m.

- Poster #35** **Aaron S. Merki** *Political Science*
“Equality and Standards Based Education”
Professor Geoffrey Vaughan, Advisor
- Poster #32** **Seth M. Miller** *Biological Sciences*
Undergraduate Research Award Scholar
“Development, Progression and Lethality of Spontaneous Mammary Carcinoma is Delayed in STAT6-Deficient NeuT Transgenic Mice”
Professor Suzanne Ostrand-Rosenberg, Advisor
- Poster #10** **Caitlin T. Reavey** *Biological Sciences*
“A System for Genetic Analysis of Rhodopsin in Yeast”
Professor Philip Farabaugh, Advisor
Professor Phyllis Robinson, Advisor
- Poster #19** **Ashina D. Singh** *Biochemistry and Molecular Biology*
Undergraduate Research Award Scholar
“Structural Studies of the Major Histocompatibility Complex Class II Transactivator (CIITA)”
Professor Colin Garvie, Advisor
- Poster #16** **Hieu Truong** *American Studies*
“The Legacies of the 1968 Washington Riots in the Shaw Neighborhood”
Professor W. Edward Orser, Advisor
- Poster #14** **Olusegun Williams** *Biochemistry and Molecular Biology*
Undergraduate Research Award Scholar
“Initial Stages of Amyloid- β Aggregation Revealed by Electron Paramagnetic Resonance Spectroscopy”
Professor Veronika A. Szalai, Advisor
- Poster #40** **T. Andrew Windsor** *Interdisciplinary Studies*
Undergraduate Research Award Scholar
“The Effect of Reward and Motivation on Cognitive Processes, as Modeled by the Paced Auditory Serial Addition Task (PASAT)”
Professor Julie B. Schweitzer, Advisor
- Poster #28** **Jun Xu** *Biological Sciences*
“Molecular Evolution of Cytoskeletal Proteins: The Plateins of Euplotid Ciliates”
Professor John A. Kloetzel, Advisor