

Poster Presenters

2:45-4:00 PM

Poster Session I: General Session, Perry Atrium

Evan Ackerman, '05	Volumetric Analysis of Martian Rampart Craters
Oleg Alekseev, '07	Evidence that Bacterial Transformation Occurs in <i>E. coli</i> through the Exchange of Genetic Material in the Form of DNA
David Alie, '05	Chaos and Fractal Cryptography
Christina Austin, '05	Translational Regulation of <i>E. coli</i> RpoS by mRNA Secondary Structure
Sarah Baldwin, '05	Arylsulfatase Gene Verification in <i>C. elegans</i>
Katherine Batchelder, '05	Seeing Wind Energy Happen
Erin Beirne, '05	Stable Isotope Analysis of Salt Marsh Structure at Sprague Marsh
Heather Bracken, '05	Integral Equations and Inverse Problems
David Burns, '05	Variables in Policy Process and Implementation of the Ramsar Convention in Costa Rica and Dominican Republic
Shoshoni Caine, '05	Investigating Albinism in the Snail <i>Helisoma trivolvis</i>
Kathleen Carroll, '05	Promoting Physical Activity among Students Using Pedometers
Alexey Cherniack, '05	The Strategic Compatibility of Photovoltaics and Fuel-Cell Technology
Meghan Cochrane, '07, Tinsley Iselin, '07 Gabriella Munoz, '07, and Christine Woll, '07	Population Characteristics and Recent Mortality Patterns in a White Pine Population at Range Pond State Park, Poland, Maine
Katherine Creswell, '05	Local Food Systems in Maine: Making Connections between Farmers and Consumers
Elise Duggan, '05	Designing a Survey to Investigate Lead Poisoning in Maine
Jessica Edgerly, '06	Relationship of Annual Growth in <i>Mya arenaria</i> to Changing Environmental Factors of Coastal Alaska

Nihal Eisa, '07	Genome-Wide Search for Human MeCP2 Targets in vivo
Daniel Frost, '05	Paleoclimate Reconstruction Using Varved Sediments, Basin Pond, Fayette, Maine
Rugiatu Jalloh, '05	Analysis of Factors in the Development of Breast Cancer
Matthew Lawler, '05	Binding of EMCV 3C and 3CD Proteins to 5'- Viral RNA
Kerry Adam Lewiecki, '05	Water Markets: Promoting Efficiency and Sustainability in the Western United States
Christina Maki, '05	Spatial and Temporal Impacts on Water Chemistry in Lake Sunapee Watershed
Daniel Neems, '05	Interactions of Small Non-coding RNA with Ribosomal Protein S1
Chi Nguyen, '05	How Do We Define Julia Sets?
Lauren Reynolds, '05	Interaction of the MAPK and Akt Protein Signaling Pathways with the Estrogen Receptor in Breast Cancer Cells
Lauren Rosenberg, '05	The Response of Cultured Kidney Cells to Co-culture with Uropathogenic <i>E. Coli</i>
Katherine Savalchak, '05	Herbalism and the Conservation of Native Medicinal Plants in Maine
Luke Selby, '05	Oxygen Transport and Endurance Sport: Methods of Abuse
Juyoung Shim, '05	Investigation of the Encephalomyocarditis Virus 3C Protease-Containing Polyproteins in an in vivo Expression System
Anna Sleeper, '05	A Study to Determine Patterns of Diurnal Eyelid Swelling
Lani Stinson, '05	Growth of the Arctic Bivalve (<i>Serripes groenlandicus</i>) from Norway, Alaska, and Greenland: Large Scale Climate Patterns and Local Conditions
Adam Taranto, '05	Autism Spectrum Disorders
Alexander Verhave, '05	Evidence of Left Lateral Shear within the Eastern Contact of the Waldoboro Pluton, Muscongus Bay, Maine
Caitlin Vincent, '05	Effects of an Aryl Hydrocarbon Receptor (AhR) Agonist on the Beat Rate of Embryonic Chick Cardiomyocyte Primary Cultures
C. Challen Willemsen, '07	New Findings in the Distribution of Guatemalan Orchid Species

4:30- 5:45 PM

Poster Session II: General Session, Pettengill G52

Tabitha Abrazinski, '05,
William Adams, '05,
Jacqueline Bowie, '05,
Tamotsu Hirai, '06,
Marshall Karpel, '08,
Byron Viechnicki, '05,
Leyi Wang, '07, and
Iwang Weili Zhang, '07

Independent Projects in Electron Microscopy

Aleena Ali, '05

Calixresorcarenones as Chiral NMR Reagents

Solomon Berman, '05

Perturbed

Erin Bertrand, '05, and
Marselle Alexander, '05

Mechanistic Studies of Hydrocarbon-Degrading Metalloenzymes in Pristine, Polluted, and Extreme Environments

Jacqueline Bowie, '05

A Photographic Survey of Echinoderms in the Beaufort Sea: Densities, Biomass, and Remineralization

Leah Boyer, '05

Heat Shock Protein Expression during Hypercapnia

Michael Brown, '05

Effects of Aspirin and Similar Compounds on Apoptosis in Mouse Splenocytes Analyzed by Flow Cytometry

J. Andrew Byrnes, '05

Scanning Tunneling Spectroscopy of Tungsten Oxide

Jessica Ciak, '05

Dioxin Response Elements in Beta1-Adrenergic Receptor Promoters

Chet Clem, '05

Bureaucratic Delay in the Hydroelectric Dam Relicensing Process

Patrick Cunningham, '05

NMR Study of Association Trends of Pheniramine-Based Substrates

Karl Dietrich, '05

Respiratory Plasticity after Episodic v. Continuous Hypercapnia

Linnzi Furman, '05

Imaging Biomolecules Using an Atomic Force Microscope

Eve Gasarch, '05

The Relationship between Fire and Oak Dominance in Badman's Cave

Kristin Gerard, '05

Inhibitory Effect of Cranberry Juice on the Growth of *Staphylococcus saprophyticus* in vitro

Elizabeth Howard, '05 Erol Kohli, '05, Kathryn King, '05, Heather Kromer, '06, Toshi Odaira, '06, David Waters-Honcu, '06, and Iwang Weili Zhang, '07	Biofilms: The Secret Life of Bacteria
Jill Jakimetz, '05	Imagining Place: Nature, Identity, and Creative Imagination in the <i>Kalevala</i>
Erol Kohli, '05	The Efficacy of Complementary and Alternative Medical Techniques in Asian Medical Systems
Matthew Lajoie, '05	Benthic Macroinvertebrates as Indicators of Water Quality and Biological Health on the Upper Merrimack River
Graham Marsh, '05	Electric Field Enhancement with a Scanning Probe Tip
Helen Minsky, '06	A Study of Atomic Layer Deposition through Spectroscopy
Ryan O'Banion, '05	Ecosystem Management in the Gulf of Maine: The Advantages and Obstacles of Implementation
Kari Ording, '05	Effects of Postnatal Hypercapnia on Plasticity of Chemoreflexes
Michaela Patterson, '05	Applications of Embryonic Stem Cells in Diabetes and Parkinson's Disease
Jessica Perrie, '05	Synthesis of 2-Deoxyglycosides by Conjugate Addition
Jessica Perrie, '05	Johne's Disease and Maine
Christopher Richards, '05	L-Amino Acid Derivatized Sulfonated Calix[4]resorcarenes and Their Lanthanide Complexes as Chiral Solvating Agents in Nuclear Magnetic Resonance Spectroscopy
Justin Schlawin, '05	Growth Patterns of White Pine in a Peatland in Poland, Maine
Joshua Stoll, '05	Local Sludge: Exploring the Sustainability of Sewage Sludge in Maine
Andrew Stowe, '06	Trends in the Abundance and Distribution of Bates-Morse Mountain Conservation Area Birds

Samuel Swope, '05 Theoretical Approaches to the Study of Photochromism and Electrochromism in Transition Metal Oxides

Eben Sypitkowski, '05 Bloodworm Digging and Sediment Disturbance

Allison Wensley, '05 Towards the Total Synthesis of a Spiroketal Enol Ether

Jason Zopf, '05 Identification of Nuclear Localization Signal of RSK1 through Utilization of Green Fluorescent Protein

4:30-5:45 PM

Poster Session III: Psychology and Neuroscience, Perry Atrium

Naira Arellano, '05 Electroacupuncture for Drug Addiction

Kelly Baehre, '05 The Effect of Light on Fawn-Hooded (FH) Rats: An Animal Model of Depression

Siri Berman, '05 Sociometry and Group Dynamics: Status among Peers at Genesis

Catherine Carroll, '05 Case Study on One Student's Progress in a Transitional School
Motives for Participating in Intercollegiate Athletics across Genders and Sport Type

Jamie Chafel, '05

Julia Crowley, '05 The Effect of Caffeine on One's Likelihood to Stereotype

Robert Dion, '05 Perceived Body Image

Joanna Dove, '05 Co-morbid Addictive Tendencies: Substance Abuse and Eating Pathology

Brett Finegold, '05 The Effect of Mortality Salience on Shooter Bias

Ryan Fitzpatrick, '05 Eyewitness Identification

Kathryn Franich, '05 Language Environments of Somali Refugee High School Students

Kristin Gerhold, '05 Molecular Characterization of Glutamate Receptors in Pond Snails

Caitlin Hager, '05 Performance on a Cognitive Task as Modulated by Time of Day, Sleep Debt, and Alcohol

Marie Hemmelgarn, '06 The Protestant Ethic, and Risk for Eating and Body Image Concerns in College Women

Jayne Hennessy, '05 Alcohol Myopia and Response Latency in a Date Rape Analog

Julie Hilliard, '05	The Effect of Confidence in Women on Stereotype Threat
Thomas Hutcheon, '05	The Automaticity of Face Recognition
Leslie Ishizuka, '05	Drinking Behaviors among Students of Different High School Types
Lara Jacobson, '05	Attention Deficit/Hyperactivity Disorder in Children
Robin Karfunkel, '05	The Effect of Metabotropic Glutamate Agonists on Cognitive Symptoms in Animal Models of Schizophrenia
Angela Knox, '05	Mapping of Glutamate-Responsive and Glutamate-Containing Neurons
Jessica Kubat, '05	Teaching Social Skills to Children with Behavioral Disabilities
Nicole Langelier, '05	The Therapeutic Effects of Caffeine and Adenosine 2A Antagonists on Forepaw Stepping in an Animal Model of Parkinson's Disease
Laurie Lau, '05	The Effect of Childhood and Current Environment on Materialism
Matthew Mann, '05	The Effects of Personal and Competitive Collective Efficacy
Charles Murnane, '05	Renaissance School
Erica Nason, '05	Effects of Youth Sports Participation on Visuospatial Ability
Thomas Ober, '05	Renaissance School: A Look Inside Special Education
Olga Osadchaya, '05	Does Depletion of Dopamine through 6-OHDA Lesions in the Medial Prefrontal Cortex Mimic the Cognitive Symptoms of Schizophrenia?
Holly Page, '05	Anxiety and Consumption: A Terror Management Theory Approach
Emily Parker, '05	Juvenile Recidivism in the Lewiston District Court: The Success of Specific Interventions in Deterring Juveniles from Repeat Offending
Jason Rafferty, '05	Glutamate Signal Transduction Pathways Causing Inhibition in Buccal B5 and B19 Neurons of <i>Helisoma trivolvis</i>
Karina Reynolds, '05	Effect of Nicotine on the PCP Animal Model of Schizophrenia
Cynthia Roman, '05	Effect of Common Drugs on College Students' Sleep Quality

Brian Rose, '05	Athletics, Gender Roles, and Alcohol: A Losing Combination?
Robert Rosen, '05	Does Media Coverage Influence Implicit Attitudes toward Israeli-Palestinian Conflict?
Kara Seaton, '05	Measuring Health Attitudes with the Implicit Association Test
Whitney Sheen, '05	Frontal Cortex Dopamine and Addiction to Nicotine
Brittney Somley, '05	Performance v. Social Stressors and Cortisol's Impact on Memory
Adam Staley, '05	Prescription Amphetamines and Their Use in Treating Young Children
Heather Taylor, '05	The Effects of Flow-Enhancing and Flow-Debilitating Conditions
Carrie Trevisan, '05	Development of Acute Light Response System in the Subcortical Visual System of Rats
Sienna Vorono, '05	The Effects of Stimulants on Fatigue during Exercise
Olivia Zurek, '05	An Animal Model of a Possible Neurobiological Link between Schizophrenia and Drug Addiction