

## Poster Presenters

12:15-1:45

### Poster Session I: General Session

Evan Ackerman '05	Using Remote Sensing Data to Compare Impact Craters on Mars and Venus
Stella Aniagyei '03	Carboxymethylated Cyclodextrins as Chiral NMR Shift Reagents
Lesley Boakye-Danquah '03	An Animal Model of Schizophrenia
Chalmers Congden '03 and Justin Gorham '03	The Photocatalytic Effect of Silver Load Zeolites on Carbaryl
Sarah Cremer '03	Mind Your P's and Q's
Erika Cyr '03, Aurora Dibner '05, Cara Howieson '05 and Jessica Otis '05	Land Use Influences a White Pine Population at Range Pond State Park
Sarita Fellows '04 and Meredith Mennitt '05	Costume Design
Lyle Gerety '03	Nicotine Addiction: The Effects of Selective Nucleus Accumbens Core and Shell Lesions on Context-Specific Locomotor Sensitization to Nicotine
Adam Hume '03	The cDNA Sequence of Chick $\beta_1$ -Adrenergic Receptor Is Highly Conserved with Turkey Suggesting That the Regulation of $\beta_1$ -AR May Differ between Chicken and Mammalian Species
Owole Josephine Idoko '03	The Effect of Filamentous Bulking on Activated Sludge Treatment
Maria Joachim '03	Susceptibility of Old A/J Mice to <i>Porphyromonas gingivalis</i> -Induced Alveolar Bone Loss during Periodontal Disease
Timothy Jones '03	A 25-Year Retrospective Study on the Growth Rate of the Soft-shelled Clam, <i>Mya arenaria</i> , in Relation to Changing Environmental Conditions throughout New England
Elizabeth Kreischer '03	A Benefit Assessment of the Community Gardens in Lewiston through Photographs
Janice Lewis '03	The Growth of <i>Serripes groenlandicus</i> and <i>Mya arenaria</i> in Relation to Environmental Conditions at Kotzebue Sound, Alaska
Kathryn Gratt Low, Psychology; Swita Charanasomboom '04; Jill Lesser '03; Katharine Reinhalter '02; and Hannah Jones, Wheaton College	Interactive Computer-Band Prevention of Body Image Disturbance
Kristjan Magnusson '03	Analysis of the Husavik Health Society
Sorubh Mahadoo '03	Effect of a Spatially Filtered Optical Feedback on a Helium-Neon Laser
Brent Mann '04	Synthesis of 2-deoxyglycosides through Conjugate Addition
Dennis McGillicuddy '03	Metalloenzyme Activation of Alkanes

Leona Nordstrom '03	Annual Growth in <i>Macoma balthica</i> in Kotzebue Sound, Alaska as an Indicator of Environmental Change
Katherine Percarpio '03	Inhibitory Glutamate Intracellular Signaling Pathway in <i>Helisoma trivolvis</i>
Robyn Perkins '03	Effect of Ultraviolet-B Light on Heat-Shock Protein-70
Mark Prelli '03	Algorithms for the Computer Representation of Julia Sets
Andrew Prigodich '03	Synthesis of Pyran Rings via S <sub>N</sub> ' Epoxide Opening
Ericka Ricaldez '03	Purification of Hepatitis A Virus 3D Polymerase and a Preliminary Evaluation of Its Conjugation to Ubiquitin
Daniel Robarts '04	Daylily Tissue Culture
Sonia Shariff '03	Experimental Studies of Collision-Induced Absorption in Barium Rare-Gas Vapor
Prerana Shrestha '03	How RSKB Gets Activated! Characterizing Activation of RSKB Protein: A Mediator of Mitogen and Stress-Activated Protein Kinase Signaling Pathways
George Sisson '03	Mechanistic Insight into Norcarane Hydroxylation Using Alkane Hydroxylase
Jeremy Streifer '03	Atomic Force Microscopy and Tungsten-Oxide Nanodots
Jason Touhey '03	The Effect of Hepatocyte Growth Factor on Cytomegalovirus Infection
Jessica Walls '03	Pediatric Palliative Care Initiative
Patricia Waters '03	Stress Effects of Bax and Bc12 Proteins on Rat Hippocampi
Gregory Weaver '03	Mapping of Destruction Signals in Hepatitis A Virus 3D RNA Polymerase
Jason White '03	Period Doubling Bifurcations of a Periodically Forced Biological Oscillator
David Worhunsky '03	The Bacterial Response to Stress: Regulation of rpoS Gene Expression

#### 4:15-5:45

#### Poster Session II: ES 217 Mapping and GIS Class Projects

Lauren Atkinson '04	Geographic Range of the Cog Railway Smoke Emissions
Andrew Beckington '04	Database and Map of Nanibia's Conservancies and Wildlife
Erin Beirne '05	Zoning Laws and Geologic Phenomena of Ireland
Rachel Booty '04	Climate Patterns in New England in Relation to Production of Maple Syrup
Mike Buffo '04	Whitebark Pine Seedlings in North Cascades National Park
William Cartun '05	Average Gas Prices across the United States (Including GDP Figures)
Tayler Clarke '06	Map of Land Use of La Selva Biological Reserve in Costa Rica (OTS)
Daniel Fraiman '03	Reforming Russia
Daniel Frost '05	Sandy River and Rangeley Lakes Railroad
Hannah Gaines '03	The Impact of Patch Retention on Ground Beetle Communities in Western Maine
Isaac Lowenthal '03	Cigarette Butt Receptacles on the Bates Campus

Elisabeth Markus '03	The Evolution of Ditches on Morse River Marsh
Karen Moore '04	A Study of Callahan Mine and the Progression of Soil Pollution and Water Quality in Hancock County, Maine
Brian O'Reilly '03	U.S. Military Presence and Economic Stability
Morgan Perlson '03	Rangeley Lakes Scenic Byway
Lydia Petell '03	Exploring the National Gap Analysis Program
Daniel Pettit '04	Dog Business
Adam Reid '05	F4 Folds in the Presidential Range
Charles Rodda '05	GIS Mapping for the Androscoggin Land Trust: A Continuing Service-Learning Fellowship Project
Gregory Rosenthal '05	Untitled Event
Colin Schless '04	Distribution of Wealth: Ski Areas versus Toxic Waste Dumps
Hillary Schwab '04	Geographic Representation of Fire and Vegetation in Kruger National Park, South Africa
Charles Simpson '03	Mapping the Reintroduction of Wolves in the Yellowstone Area
Josh Stoll '05	Thorncrag Bird Sanctuary
Eben Sypitkowski '05	Economic Feasibility of a Maine North Woods National Park and Preserve