



FRIDAY, 1 APRIL 2011
PETTENGILL HALL ~ SCHAEFFER THEATRE
OLIN ARTS CENTER
BATES COLLEGE

Mount David Summit Poster Presenters

Note: The number following each title indicates the location of the poster in the session

1:30 - 3:00 PM	Poster Session I	Board #
Hunter Archibald '12	Terminal Velocity: The Physics of Skydiving	(31)
Elizabeth Arens '13	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Elisabeth Baird '14	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Clyde Bango '11	HIV-1 Protease Mutations Leading to HIV/AIDS Drug Resistance	(16)
Caroline Barr '11	The Effect of Cranberry Juice on the Biofilm Formation of Canine Uropathogenic Bacteria	(8)
Andrew Bernard '11	Interannual Growth Rate Variation in the Soft-Shell Clam, <i>Mya arenaria</i> , and Its Relationship to Temperature Differences at Maquoit Bay, ME	(36)
Hally Bert '14	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Eve Boonseng '11	Comparing Antibiotic Resistance among Clinical Isolates of <i>Staphylococcus saprophyticus</i> with the Effect of Cranberry (<i>Vaccinium macrocarpon</i>) on Growth	(9)
Kathleen Boyland '11	Alternative Sigma Factors Regulate the Expression of Virulence Genes in Response to Particular Stimuli	(21)
Alice Caffrey '11	Mutational Studies of RpoS and Translational Initiation in <i>Borrelia burgdorferi</i>	(22)
Rachel Carlson '11	Purification and Characterization of Metallothionein-3: A Possible Target for Lead	(24)
Patrick Carroll '11	Biomimetic Inhibition of <i>Staphylococcal</i> Biofilms	(10)
Samuel Cory '11	The in vitro Effects of Hyperbaric Hyperoxia on Chronic Wound Biofilms	(1)
Amy DeStefanis '11	Risk Factors for the Carriage of <i>Staph. aureus</i> in the Student Population	(2)
Abritee Dhal '11	Mutagenesis of RSK2 to Locate Nuclear Localization Signal of RSK2	(14)
Melissa Ducommun '11	Down-Regulation of Chondroitin Sulfate Proteoglycans (CSPGs) in the Glial Scar Following Spinal Cord Injury by Lentiviral Gene Delivery	(3)
Tara Dugan '13	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Joseph Ekpenyong '12	Our Country, Our Religion: The Africanization of Christianity	(41)
Sara El Assaad '14	Our Country, Our Religion: The Africanization of Christianity	(41)
James Epstein '13	Running Routes in Falmouth, ME	(34)
Nathaniel Funk '11	Rainbows and Refraction: The Physics and Geometry of Prisms	(30)
Sean Gemunden '14	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Ian Gilchrist '11	A MCD Study of the Diiron Active Site of ω -Alkane Hydroxylase (AlkB)	(25)
Douglas Goulding '11	Identity and the Creation of a Nation: Perceptions of the Vote among Sudanese "Lost Boys"	(39)
Bryan Harrison '11	Transplacental Exposure to Arsenic in Mice Alters the Expression of Diabetic Genes	(17)
Ingrid Knowles '11	A Biogeochemical Study of Ditchplug and Natural Pools in the Sprague River Marsh, Phippsburg, ME	(35)

1:30 - 3:00 PM

Margaret Krueger '12	Nutrition Program with Teenagers at the Boys and Girls Club of Lewiston/Auburn	(37)
Christopher LaBrecque '11	Biomimetic Inhibition of <i>Staphylococcal</i> Biofilms	(10)
Ryan Larsen '11	Coordination of Thiourea Ligands to Cobalt(III)	(28)
Andrea Lauden '14	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Jackson Mesick '11	Synthesis and Kinetic Studies of Six-Coordinate Cobalt(III) Complexes Containing Sulfur- and Nitrogen-based Organic Ligands	(29)
Sabrina Minjares '12	Our Country, Our Religion: The Africanization of Christianity	(41)
Cody Newman '11	Evaluating Ruthenium Catalysts for the Hydrodeoxygenation of Fast Pyrolysis Oil	(26)
Jamie Nickerson '11	Genetics of Susceptibility to Bone Loss Related to Periodontal Disease	(5)
Sean O'Brien '11	Regulation of Global Gene Expression and Biofilm Formation in Response to Iron Limitation by <i>Aggregatibacter actinomycetemcomitans</i>	(4)
Sebastian Pedraza '11	Determining 5' Ends in RNA Transcripts in Diverse Bacteria: <i>Borrelia burgdorferi</i> and Marine <i>Synechococcus</i> CC9311	(19)
Emma Reichart '14	Partners in Health's Local Strategies for Combating Malnutrition in Rwanda	(40)
Eammon Riley '11	Ribosome Biogenesis in Diverse Prokaryotes	(20)
Vanessa Robinson '12	Combination Treatments of Targeted Drug Therapies for NF1 Null Melanomas	(15)
Diane Saunders '11	Characterizing a Nuclear Localization Signal in RSK3	(13)
Devon Stetson '11	Public Views on Vaccination	(6)
Alexandra Steverson '11	A Study of Metallothionein-3, Brain-Specific Protein, and Lead(II) Binding Affinity	(23)
Rachel Vaivoda '11	Inhibition of Adhesion and Biofilm Formation of <i>Staphylococcus saprophyticus</i> by Cranberry	(11)

3:15 - 4:30 PM**Poster Session II**

Britt Anderson '12	Risk Assessment of Seismically-Induced Landslides in the North Cascades	(37)
Edmund Antell '11	Food-Web Analysis and Growth Rates of Two Commercially Important Baitworms (<i>Glycera dibranchiata</i> and <i>Nereis virens</i>)	(8)
Chloe Bourne '11	Designing Winter Trails in Witt Swamp, Norway, ME	(38)
Diane Brackett '11	Role of Tyrosine Kinase B (TrkB) Signaling in the Regulation of Carotid Body and Petrosal Ganglion Development by Hypoxia	(15)
Katherine Brodoff '11	The Manifestation of Trait Self-Control on Social Networking Websites	(32)
Reed Brown '12	Spatial Analysis of Contributing Variables to Appalachian Hut Popularity	(39)
Jordan Conwell '12	Does Community Diversity Reduce Interpersonal Trust?	(5)
Margaret Curran '11	Two-Sided Stable Matchings: Applications to the National Resident Matching Program	(42)
Rachel DiStefano '11	The Relationship between Alexithymia and Memory	(22)
Deniz Dolcen '13	A Shelter-wood Harvest in 2006 at Range Pond State Park, Poland, ME, Resulted in the Regeneration of Mature White Pines (<i>Pinus strobus</i>) and Increased Recruitment of Seedlings	(12)

3:15 - 4:30 PM

Wesley Farnsworth '11	A Case Study of Spatial Variability in Snowpacks: Norwegian High Arctic and Presidential Range, NH	(40)
Basil Ferenczi '11	The Effect of 5-HT1A Agonists and NMDA Antagonists on Parkinson's Disease and Apomorphine-Induced Dyskinesia: The Role of Serotonergic Raphestriatal Neurons	(19)
Elliot Foster '11	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Elizabeth Glennon '11	Conservation Education in Uganda	(13)
Sara Godek '11	Tangier Disease: ABCA1 Mechanisms and Treatments of Reverse Cholesterol Transport	(16)
Carolynn Harris '11	Stable Isotopic Shifts in Fish Bones from Multiple Archeological Coastal Middens in Penobscot Bay, ME	(9)
Katherine Hines '11	Orthorexia Nervosa: Obsession with a Healthy Diet	(24)
Quan Ho '11	Modulation of the First Phase of Feeding Behavior of <i>Helisoma trivolvis</i> by Neuropeptide Phenylalanine (NPF) stimulation of Buccal A Cluster (BAC) Neurons	(17)
Sarah Jacobson '14	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Emily Jasinski '11	Predictive Validity of the Helpfulness Implicit Association Test	(27)
Elizabeth Johnston '11	Inattentive Blindness: An Examination of Featural, Phonological, and Categorical Processing	(23)
Clara Maeder '14	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Qasim Mahmood '13	Fighting Tax Evasion in Pakistan: A Study of IMF Tax Reforms and Improving Transparency	(2)
Marissa Maliwanag '11	Relationship between Environmental Change and Annual Growth Rates of the Soft-Shelled Clam (<i>Mya arenaria</i>) in the Gulf of Maine from 4,200 Years B.P. to Present	(10)
Lauren McAllister '11	Educating the Educators: Development and Evaluation of Training Programs for Preschool Special Education Staff	(28)
Kevin McDonald '11	Influence of Service-Learning on College Student-Athletes' Identity Development: Applying the Student Development Theory of Arthur Chickering	(29)
Anna McGrath '11	The Effects of D-Cycloserine and Propanolol on Extinction of Morphine Withdrawal-Induced Conditioned Place Aversion and Stress-Induced Reinstatement	(20)
Jarret-Paul McKallagat '14	HipLife Music as a Medium of Social Change among Ghanaian Youth	(6)
Tyler Mehegan '11	D-Cycloserine Facilitates Either Extinction or Reinstatement of an Opiate-Withdrawal-Induced Conditioned Place Aversion under Different Procedural Circumstances	(21)
Sarah Moore '11	Value of Wealth and Self-Presentation as a Moderating Effect for Risky Choices	(34)
Nancy Muñoz '11	A Possible Integration Program for Bates College: Intergroup Contact Theory or Race Conversations	(36)
Noel Nguyen '11	The Effects of Post-traumatic Events on Parenting Style in Somali Women	(31)
Andrew No '14	Voiceless but Not Silent: The Independent Media's Response to Mugabe's Oppression in Zimbabwe	(7)
Ryan Novas '11	Orientation & Orientation: The Effects of Inversion on Rapid Judgments of Male Sexual Orientation	(35)
Paul Okot '11	Confidence and Witnesses' Testimony	(33)

3:15 - 4:30 PM

Anna Query '11	The Implementation of Mental Health Services at Longley Elementary School	(30)
Nicolette Robbins '11	Asexuality: Can It Be Measured?	(25)
Rebecca Ross '14	Voiceless but Not Silent: The Independent Media's Response to Mugabe's Oppression in Zimbabwe	(7)
Zachary Ross '11	Response Bias in Homeowner Surveys: Who Cares about the Penobscot River?	(1)
Anabel Schmelz '14	Voiceless but Not Silent: The Independent Media's Response to Mugabe's Oppression in Zimbabwe	(7)
Nicholas Silverson '11	Growth Patterns of the Circumpolar Green Sea Urchin, <i>Strongylocentrotus droebachiensis</i> , in a High-Arctic Fjord in Northeastern Svalbard, as a Proxy for Environmental Variability	(11)
Brian St. Thomas '11	Probabilities of RISK	(41)
Elizabeth Stadtmueller '11	Veteran PTSD CheckList-Civilian Version (PCL-C) Performance Following 5-day Acceptance and Commitment Therapy Treatment for Post-traumatic Stress Disorder: Pre- and Post-Test Differences Based on Military Era and Age	(26)
Dorian Tolis '11	Signal Transition Mechanisms Used by Glutamate to Curtail Feeding in <i>Helisoma trivolvis</i>	(18)
Eliza van Heerden '11	Cardiorespiratory Effects of Chronic Hyperoxia in Neonatal Rats	(14)
Alison Vingiano '11	Feminism and Nationalism in Displaced Tibetan Communities	(4)

4:45 - 6:00 PM**Poster Session III**

Colin Barry '12	A Look at Whitewater in Maine	(25)
Katherine Bernier '11	Synthetic Studies of Koshikalide	(4)
Thomas Bloch '11	The Self-Concept and Worldview Defense: Do Self-Concept Confusion and Mortality Salience Threaten the Same Construct?	(38)
Ashley Brooks '14	Education in Ethiopia (1889-1974): Transition to Global Thinking	(32)
Travis Brown '11	The Synthesis of Exocyclic Enol Ethers Using Sonogashira Coupling	(5)
James Burnham '12	GIS Analysis of Cell Phone and Radio Coverage in Baxter State Park, ME	(14)
Lianna Cohen '13	The Past, Present, and Future of Antibiotic Resistance: Fighting Back against Antibiotic Resistant Bacteria	(1)
Nora Collins '11	A History of the Urban Poverty in Washington DC: METRO Implementation and Changes in Geo-Socioeconomics	(27)
Katherine D'Angelo '11	Do Women in Politics Matter?: Ugandan Women's Political Activity in Regard to Reproductive Healthcare	(35)
Heather Doolittle '12	Using LiDAR Data and GIS Mapping to Create a Bedrock Map of Small Point, ME	(15)
Colin Dowey '13	Bicycle Routes, Northern Tier, Washington State	(16)
Ian Dulin '12	Analysis of the Vulnerability of Tidal Marshes and Adjacent Uplands from Sea Level Rise in Casco Bay Using a GIS Model	(18)
Emily Egan '13	Education in Ethiopia (1889-1974): Transition to Global Thinking	(32)

4:45 - 6:00 PM

Sebastian Farach Aldana '11	Code-Switching and Bilinguals	(39)
Gregory Flynn '11	Determining Potential Areas for New Ski Resorts in Southwestern Montana	(28)
Justin Giroux '11	Infrared Characterization of Trioctylphosphine Oxide (TOPO)	(10)
Hiroimi Go '11	Global Games: An Emerging Field in Game Theory	(31)
Amanda Goss '13	Mapping Historical Landslides on Bainbridge Island, WA, to Predict Future Hazards	(19)
Munroe Graham '13	Justice and the Guatemalan Civil War	(36)
Andrew Grant '13	Lake Chad: Examining the Positive Effects of a Depleting Major Fresh Water Source	(33)
David Harning '13	Alpine Zone Classification: High Peaks Region of Baxter State Park, ME	(20)
Cameron Held '14	Alpine Zone Classification: High Peaks Region of Baxter State Park, ME	(20)
Emily Howe '11	Disease in the Victorian Era	(34)
Audrey Jensen '11	Exploring Balinese Secular and Religious Consumption of Marine Turtles: A Call for Renewed Conservation	(13)
Amy Johnston '12	Geologic Area around Morse Mountain in Phippsburg, ME	(21)
Aaron Kaplan '12	How Cities Should Be Designed: Growing Questions Surrounding the Livability of the City of Ørestad, Denmark	(22)
Lundat Kassa '13	Education in Ethiopia (1889-1974): Transition to Global Thinking	(32)
Benjamin Latham '11	Mapping Backcountry Ski Terrain in Southern Maine	(23)
Joanna Mangar '11	The Radical Scavenging Activity of Phenylethanoid and Phenylpropanoid Glycosides	(2)
Elliott Morgan '11	Imaging and Spectroscopy of Chemically Bound Fluorescent Nanospheres	(8)
Matthew Moschitto '11	The Sonogashira Cross Coupling of Vinyl Triflates and Terminal Alkynes	(6)
Maura Neal '12	Lake Chad: Examining the Positive Effects of a Depleting Major Fresh Water Source	(33)
Molly Newton '11	Monitoring Sedimentation Patterns and Tidal Inlet Migration at Small Point, Seawall, and Popham Beaches, Phippsburg, ME	(30)
Claire Parker '11	Investigation of the Surface Chemistry of Cadmium Selenide Using Atomic Force Microscopy	(11)
Eliza Perry '13	Witt Swamp Trail System	(24)
Carolyn Silva-Sanchez '11	Leaving Parents Behind: An Analysis of No Child Left Behind and its Impact on Somali Parents in Lewiston, ME	(37)
Elizabeth Sonshine '12	The Outdoor Gym: Running and Exercising around Lewiston	(26)
Blaise Thompson '11	Spectroscopic Investigation of Plasmonic Nanoparticles	(9)
Sasha Villahermosa '11	Synthesis and Antioxidant Activity of Phenylethanoid Glycoside Analogs	(3)
Tyler White '13	Lake Chad: Examining the Positive Effects of a Depleting Major Fresh Water Source	(33)