



2011 College at Oneonta Foundation Awards for Excellence in Student Research and Creative Activity

Description

To recognize and honor high quality independent research and creative activity projects conducted by SUNY Oneonta students with faculty sponsorship, the College at Oneonta Foundation will award five prizes for 'best in show' projects presented at the 2011 Student Research Day (SRD). Award recipients will receive \$300 fellowships, and all finalists will receive a certificate.

Eligibility / Selection Process

Only independent research and creative activity projects are eligible (projects conducted as part of a class or coursework are not eligible). Projects are nominated for the awards by the faculty mentor via an online form. To be eligible for consideration, student finalists must be in attendance at SRD and available to present the work to a selection panel comprised of members of the College at Oneonta Foundation Board of Directors.

2011 AWARD RECIPIENTS

Christopher Aucoin

Faculty Mentor: Leslie Hasbargen (Earth Sciences)

Using GPR, GPS and Close-Range Photography to Map and Characterize Dinosaur Tracks in the Connecticut River Valley

Tami LaPilusa (graduate student)

Faculty Mentor: Jeffrey Heilveil (Biology)

Genetic Diversity of the Commodity Species *Cardisoma guanhumi* Latreille (Decapoda: Gecarcinidae) on Andros Island, Bahamas

Steven Piteo

Faculty Mentor: Caitlin Smith Rapoport (Theatre)

Sound Designer in Collaboration with The Deconstructive Theatre Company and Strong Coffee Stage on an Adaptation of *Antigone*

Tyson Robb

Faculty Mentor: Martha Growdon (Earth Sciences), Trudy Thomas-Smith (Chemistry & Biochemistry)

Alternative Remediation of Acid Mine Drainage

BLONDES Research Group: Marykate Kalotschke, Anyango Kamina, Samantha Kamp, Michelle Linder, Alyson Marmet, Nicole Mihou, Carolyn Nasr, Megan Record

Faculty Mentor: Jacqueline Bennett (Chemistry & Biochemistry)

Lactic Acid as a Green Catalyst for Imine Synthesis

Green Synthesis of Imines from p-Ethoxyaniline and Various Aldehydes

Green Synthesis of Imines Derived from a Common Topical Anesthetic

Cell Imaging using Fluorescent Imines (*Co-Sponsor:* Nancy Bachman, Biology)

ADDITIONAL FINALISTS

Michael Bergman

Faculty Mentor: Florian Reyda (Biology/Biological Field Station)

Host Use and Morphological Variation of *Leptorhynchoides thecatus* from Otsego Lake, NY

Peter Cole

Faculty Mentor: Lisa Sorensen-Stahl (Anthropology)
Doodling 101: An Anthropological Survey of Doodling

Alissa DeBaun, Jung Hwa Lee & Nicholas Walion

Faculty Mentor: Charlene Christie (Psychology)
Where Nobody Knows Your Name: The Nature of Extreme Opinions in the Anonymity of Cyberspace

Jacob Donnell

Faculty Mentor: Vicky Lentz (Biology)
Purification of Largemouth Bass (*Micropterus salmoides*) Immunoglobulin M (IgM) Using Dialysis and Size-Exclusion Chromatography

Andrew Feiner, Curtis Frederick & Joseph Prio

Faculty Mentor: Keith Schillo (Biology)
Effects of Dehydration on Spatial Learning in Mice

Jillian Ferris (graduate student)

Faculty Mentor: Cynthia Falk (Cooperstown Graduate Program)
Subversive Museum Critique

Annelise Muscietta

Faculty Mentor: Martha Growdon (Earth Sciences)
Deciphering the Nature of the Contact on Matinicus Island with New Bedrock Geologic Mapping

Erin Potter

Faculty Mentor: Melissa Godek (Earth Sciences)
Assessing the Impact of Air Mass Frequency on Major Flood Events in the Susquehanna River Basin

Joanna Salvino

Faculty Mentor: Jeffrey Heilveil (Biology)
Indirect Effects of Urbanization on New York Populations of *Nigronia serricornis* (Say) (Insecta: Megaloptera: Corydalidae)

Lauren Shore

Faculty Mentor: Halimah Sayahi (Chemistry & Biochemistry)
Molecular Docking of Antituberculosis Drug Pyrazinamide (PZA) to *Mycobacterium tuberculosis* (Mtb) Fatty Acid Synthase I (FAS I)

2010/11 Awards – Student Grant Program for Research and Creative Activity**Students (Faculty Sponsors, Department): Project**

Francis Alvino (Les Hasbargen, Earth Sciences): Expanding the Geophysical Surveys at Pine Lake Archaeological Site

Emily Ferencik (Kirsten Hilpert, Human Ecology): Effect of Dairy Foods on Endothelial Health

Stephen Job (Devin Castendyk, Earth Sciences): Establishing Baseline Surface Water Characteristics of the Butternut Watershed, Mount Upton, NY, Prior to Natural Gas Exploration

Anyango Kamina (Nancy Bachman, Biology & Jacqueline Bennett, Chemistry & Biochemistry): Cell Imaging using Fluorescent Imines

Chris Keefe, Joseph Krikorian, Duncan MacCrea (Keith Brunstad, Earth Sciences & Fred Zalatan, Biology): Biomineralization of Acid Mine Drainage Metals

Tom Lansing (Donna Vogler, Biology): Flora of Mt. Tom, NY

Casey Lewis (Cynthia Falk, Cooperstown Graduate Program): Elmira, NY Female Dressmakers: 1880-1920

Sean Long, Matthew Lagueras, Sing Chung Zeus Chiu (Sen Zhang, Mathematics, Computer Science & Statistics): Exploring Applications of Data Structures and Algorithms Learning Materials on Entertainment Devices and Relevant Techniques

Fiona Lowry, Alexander Soroka, Anyango Kamina (Devin Castendyk, Earth Sciences): Kenya Water Project

Maxine Malikin, Joelle Mazo (Keith Schillo, Biology): Does the Type of Caloric Sweetener Influence Weight Gain and Onset of Puberty in Female Mice?

Alyson Marmet (Jacqueline Bennett, Chemistry & Biochemistry): The Use of X-ray Crystallography to Determine the Exact Structure of New Imines

Kelsey Minnich (Patrice Macaluso & Caitlin Smith Rapoport, Theatre): Costume Design for Strong Coffee Stage's "Antigone" by Sophocles

Annelise Muscietta (Martha Growdon, Earth Sciences): Bedrock Geologic Mapping of the Matinicus Quadrangle, Maine

Steven Piteo (Patrice Macaluso & Caitlin Smith Rapoport, Theatre): Sound Designer for Strong Coffee Stage's "Antigone" by Sophocles

Erin Potter (Melissa Godek, Earth Sciences): Assessing the Impact of Air Mass Frequency on Major Flood Events in the Susquehanna River Basin

Shane Putnam (Trudy Thomas-Smith, Chemistry & Biochemistry): The Fate of Triclosan in Oneonta, NY Wastewater; Dilution and the Effects of pH, Iron and Light on By-Product Formation

Racquel Riccardi (Shih-Ming Hu, Human Ecology): The Application of Soy Cheese (Tofu) in the Traditional High Cheese Products

Tyson Robb (Martha Growdon, Earth Sciences): Energy Producing Purification of Acid Mine Drainage: Phase II

Joanna Salvino (Jeffrey Heilveil, Biology): Phylogeography and Post-glacial Range Expansion in *Nigronia serricornis* (Say) (Insecta: Megaloptera: Corydalidae)

Lauren Shore (Halimah M.M.Jorge, Chemistry & Biochemistry): Molecular Docking of Antituberculosis Drug Pyrazinamide to Mycobacterium Tuberculosis Fatty Acid Synthase I

Christina Vogel, Andrew Feiner, Curtis Frederick (Keith Schillo, Biology & Trudy Thomas-Smith, Chemistry & Biochemistry): The Occurrence and Fate of Endocrine Disrupting Compounds (EDC's) in Selected Water Samples and the Effects on Mammalian Tissue

Danielle Willsey, Lisa Laraque, Michael O'Rourke, Umrhan Habal (Florian Reyda, Biology): Investigation of Pathology caused by Thorny-Headed Worms that Parasitize Otsego Lake Fishes