

Faculty Development Awards – Spring/Summer 2010

Faculty Research Initiative Grants

Lei Bryant, Assistant Professor, Music

Mao's Music: Songs and Memories of the Chinese Cultural Revolution (Book Manuscript)

Penny Jolly, Professor, Art History

Research in Europe on a book manuscript in Progress, "The Pregnant Magdalen: The Birth and Death of a Motif"

Sonia Silva, Assistant Professor, Anthropology

From the Fingers: Embodiment and Creativity in African Art

Gordon Thompson, Professor, Music

The Beatles in Process: The Contexts and Adaptive Strategies of Their Core Repertoire

Faculty Development Grants

Ruth Copans, College Librarian

Card-Catalog-Card: The Artist Books of David Bunn

Kimberley Frederick, Associate Professor, Chemistry

Using Layered Polyester Transparencies as a Platform for Ultra-Small Scale Separations

Heather Hurst, Assistant Professor, Sociology, Anthropology, and Social Work

Groundwork for Proyecto Muros Perdidos: Travel and Environmental Monitoring Equipment for the Study of Ancient Maya Murals

Masako Inamoto, Visiting Instructor, Foreign Languages & Literatures

From "Ghost" to "Dr. Manbo": The Fiction and Essays of Kita Morio

Elzbieta Lepkowska-White, Associate Professor, Management & Business

Smoking Motivations in Different Age Groups: Reasons and Consequences

Bernard Possidente, Professor, Biology

Genetic Analysis of Epistatic Genetic Variance for Circadian Rhythms in Mice

Jay Rogoff, Lecturer, English

Travel in Support of the Creation of New Poems

Summer Faculty/Student Research

Paul Arciero, Associate Professor, Health and Exercise Science
Kanokwan Bunsawat '11
Jake Mendell '10
Nicholas Steward '10
Qian Zheng '11

Project: Effects of Whey Protein and Exercise on Health Outcomes

Lisa Aronson, Associate Professor, Art History
Andrew Noon '11

Project: Mapping and Visualizing the African Environment

Michael Arnush, Associate Professor, Classics
Ross Jaffe '11

Project: Ekklesia: Epigraphic Database for the Origins and Development of Athenian Democracy

Erica Bastress-Dukehart, Associate Professor, History
Patrick Glennon '11

Project: Women, Science, and Nature in Early Modern Europe

Catherine Berheide, Professor, Sociology Anthropology & Social Work
Joelle Sklaar '11
Emily Cooper '11

Project: Supporting Women Faculty in STEM at Liberal Arts Colleges: Phase II

Jennifer Bonner, Assistant Professor, Biology
Cecilia Culp '11
Aleksander Krazinski '11
Andrew Ross '11

Project: The Distribution of DCC Genes in the Spinal Cord, and Development of a Fetal Alcohol Syndrome Model in Zebrafish

Beau Breslin, Professor, Government
Matt Rothenberg '12

Project: Echoes of the Founding: Examining America's Constitutional Birth

Mary Campa, Assistant Professor, Psychology
Samantha Savoy '12

Project: Communication Patterns in Initial Dating Conversations

Ngina Chiteji, Associate Professor, Economics
Siphiwe Sikhondze '11

Project: Disparity in Health Outcomes Among the Different Racial Groups in the United States

David Domozych, Professor, Biology

Korena Burgio '11

*Project: Transformation strategies for the New Model Green Plant, Penium
Margaritaceum*

Gove Effinger, Professor, Math and Computer Science

Benjamin Cooper '11

Project: Twin Prime Polynomials over Finite Fields

Hugh Foley, Professor, Psychology

Mila Woodfield '12

Isabel Cain '12

Project: Reporting More than What Was Seen: Closure vs. Boundary Extension

Kristie Ford, Assistant Professor, Sociology

Victoria Malaney '10

Jamie Cohen '10

*Project: A Comparative Assessment of the Educational Benefits of Inter- and
Intra- Racial Curricular Dialogues on White Racial Identity Development*

Amy Frappier, Assistant Professor, Geosciences

Aurora Pinkey-Drobnis '12

*Project: Calendar-Year Dating of Pre-historic Hurricanes in Yucatan, Mexico
Using Florescence Micro-imaging of an Annually-layering Stalagmite*

Kimberley Frederick, Associate Professor, Chemistry

Sarah Bashaw '11

*Project: Investigation of Thermoresponsive Guanosine Gels for
Preconcentration in CE Separations*

Kimberley Frederick, Associate Professor, Chemistry

Taylor Moot '13

*Project: Rapid, Non-destructive Analysis of Painting Materials Using Raman
Spectroscopy and X-ray Fluorescence*

Kimberley Frederick, Associate Professor, Chemistry

Katherine Roguski '11

*Project: Fundamental and Applied Research in Microfluidics and Capillary
Electrophoresis*

Raymond Giguere, Professor, Chemistry

Gabriela Bermudez '11

Project: A Novel Tandem Intramolecular Diels-Alder (TIMDA) Reaction

Charles Joseph, Professor, Music

Mary Horn '11

*Project: The Public Intellectual: Leonard Bernstein's Charles Eliot Norton
Lectures*

Sang Wook Lee, Assistant Professor, Art
Victoria Manganiello '12

Project: Computer-Dobby Textiles

Denise Brooks McQuade, Senior Teaching Associate, Biology
Elena Stansky '12

Project: Sex Differences in Digit Length of Octodon degus

Bernard Possidente, Professor, Biology
Katherine Kenny '11

*Project: Fruit Flies as a Model for Organism for Neurotoxic Effects of PCBs
(polychlorinated biphenols)*

Monica Raveret-Richter, Associate Professor, Biology
Rosalind Freeman '12

*Project: Foraging Behavior of the introduced Paper Wasp Polistes Dominulus
(Hymenoptera: Vespidae)*

T.H. Reynolds, Assistant Professor, Health and Exercise Science
Megan Gaugler '12

Projects: Type 2 Diabetes and Autophagy Related Gene Expression

Michelle Rhee, Assistant Professor, English
Caitlin Allen '12

Project: Visual Rhymes

Mark Staton, Visiting Instructor, Management and Business
Alison Frey '12

Project: Socio-economic Status and its Influence on the Endowment Effect

Schupf Scholar Program

Kyle Nichols, Associate Professor, Geosciences
Caroline Loehr '12
Jonathon Reeves '12

*Project: How Large were Floods Caused by the 19th and 20th Century Logging
Dams in the Upper Hudson River Watershed?*

Rachel Roe-Dale, Assistant Professor, Math and Computer Science
Emese Lipcsey Magyar '10
Ava Hamilton '12

Project: Modeling Time Dependent Electroosmotic Flow

Andrew Skinner, Visiting Assistant Professor, Physics
Rebecca Conneely '12

*Project: Feshbach resonances for Ultracold Neutral Fermions in a Graphene-
Type Optical Lattice*

Scribner-Mellon Scholar Projects

Kimberley Frederick, Associate Professor, Chemistry

Sondra Lipshutz '13

Project: Development and Understanding of Polyelectrolyte Multilayer coatings for Capillary Electrophoresis

Kate Greenspan, Associate Professor, English

Kali Block-Steele '13

Project: Reevaluating Representations of Medieval Islamic, Jewish and Christian Women: An Exhibition

Kyle Nichols, Associate Professor, Geosciences

Melanie Hoermann '13

Project: Rocks, Atoms, and Black Magic: Transforming Raw Geologic Samples into Erosion Rates