

2009 STEP Award Winners

Investigator(s)	Unit	Title of Project	Total Award
Alexander, Alicia; Joanne Cattafesta	Speech Communication	"How come I do all the work?": Working mothers' and stay-at-home mothers' perceptions of work-family balance"	12,008.00
Belasen, Ariel	Economics & Finance	"An Improved Quantitative Measurement of Exogenous Shocks: The Generalized Difference-in-Difference Technique"	14,536.00
Chew, Song	Math & Statistics	"Condition-Based Robust Supervisory Control of Flexible Manufacturing Systems"	2,520.00
Cho, Sohyung	Mech. & Indust. Engineering	"The Use of Electronic Nose for On-line and Real-time Tool Condition Monitoring Systems"	15,999.00
Crane, Judith	Philosophy	"Species Concepts and Species Protection"	6,672.00
Demirer, Riza	Economics & Finance	"Investor Herds in the U.S. Commodity Markets: Evidence from Grains, Precious Metals, and Energy Markets"	8,000.00
Flick, Louise*	Nursing	"Development Phase I: Tobacco Use in Pregnancy and Psychiatric Disorders" <i>*2009 Annette and Henry Baich Award Winner</i>	9,555.00
Funk, Allison	English Lang & Lit	<i>The Wonder-Room</i>	8,541.00
Hafer, Rik	Economics & Finance	"Corruption and Economic Growth: A View from the States"	9,922.00
Kirk, Stacie; Wendy Fuchs; Erik Kirk	Dept. Special Ed, Dept. of Kinesiology	"Promoting Cognitive development through obesity prevention in preschool children"	11,857.00
Kohn, Luci	Biological Sciences	"Consequences of lead (Pb) exposure in aquatic and terrestrial habitats: data from mice and catfish"	15,692.00
Krauss, Ryan	Mech. & Indust. Engineering	"A Platform for Rapid Prototyping of Feedback Control Systems"	11,916.00
Kutan, Ali	Economics & Finance	"Central Bank Communication and Financial Markets"	9,530.00
Kwon, Guim	Pharmacy	"Strategies to prevent and/or reverse Type 2 diabetes"	8,990.00
Ledzewicz, Urszula	Math & Statistics	"Exploratory Research on Vaccination and Treatment for a Class of Mathematical Models in Epidemiology"	9,680.00
Liu, Yuliang	Education Leadership	"An Experimental Study of Integrating Multimedia to Improve Mathematical Learning"	10,650.00
McPherson, Timothy	Pharmacy	"Effectiveness of Xanthine Analogs for the Treatment of Cystic Fibrosis"	10,500.00
Miller, Jennifer	Historical Studies	"Germany's New Others and the Strage Death of Race after 1945 in Germany"	4,944.00
Neumann, Bill	Pharmacy	"Function-Oriented Synthetic Studies on the Aeruginosin Family of Serine Protease Inhibitors: In Search of Factor VIIa Selectivity"	15,234.40

Pendergast, John	English Lang & Lit	"Thomas Nash: A Renaissance Life"	4,272.00
Ramaswamy, Anushiya	English Lang & Lit	"Translating the Sri Lankan Tamil Dalit Literature short story, "The Untouchable" and writing an essay on the subject"	5,040.00
Rigdon, Steven	Math & Statistics	"Electoral Vote Prediction Using the Kalman Filter"	8,719.00
Rowbotham, Melodie	Nursing	"Teaching Perspectives, Psychosocial Climate of the Classroom and Self-Efficacy"	12,808.00
Rowland, Kevin; Medha Gautam	Dental	"The Use of TRP Antagonists for Treating Dental Pain"	9,411.41
Schaefer, Ron	English Lang & Lit	"Digitizing the Edo North Archive"	9,990.00
Stacy, Jason	Historical Studies	"The Future's Past: Historical Writing in the Early American Republic"	7,543.00
Wang, Yun	Computer Science	"Impact of Deployment Strategies on Energy Efficiency and Lifetime Enhancement of Wireless Sensor Networks"	12,616.00
Wei, Chin-Chuan	Chemistry	"Investigation of the Interaction between Caveolin and Nitric Oxide Synthases"	11,972.00
Willmott, Cory	Anthropology	"Bringing Home Heritage: Virtual Repatriation through an Online Collaborative Database"	10,809.00
Witt, Ken; Karin Sadoval	Pharmacy	"Impact of Raloxifene (Evista) on the Structure and Function of the Aging Blood Brain Barrier"	12,000.00
Yu, Tianlong	Education Leadership	"What's the Matter with Character Education? A Case Study of Three Middle Schools"	6,709.00
Zhang, Huichun (Judy)	Chemistry, Env. Sci.	"Elucidating the Effect of Metal Oxides on Oxidation of Phenols and Aromatic Amines by Goethite"	13,232.00