



2008-2009 FACULTY RESEARCH GRANT PROGRAM RECIPIENTS

Small Grant Recipients and Project Titles

- Michele Barbato- *Civil and Environmental Engineering* mbarbato@lsu.edu
“Probabilistic Characterization of building envelope component resistance to wind-borne debris impact using experimental fragility curves”
- Brittan Barker- *Communication Sciences and Disorders* barkerb@lsu.edu
“The Effect of Listening Training in Children with Central Auditory Processing Disorder”
- Troy Blanchard- *Sociology* troy@lsu.edu
“The Social Context of Mortality: Evaluating the Link Between Community Organizations and U.S. Life Expectancy”
- Robb Brumfield- *Museum of Natural Science* brumfld@lsu.edu
“Gene Expression Variation Along and Extreme Elevational Gradient”
- Bryan Carstens- *Biological Sciences* carstens@lsu.edu
“Community Phylogeography of Louisiana Pitcher Plants and their Commensal Bacteria”
- Jin-Woo Choi- *Electrical and Computer Engineering* choi@ece.lsu.edu
“Exploration of Evaporation-Based Micro/Nanofluidic Sample Delivery”
- Amy Copeland- *Psychology* copelan@lsu.edu
Robert Mathews- *Psychology* psmath@lsu.edu
“Implementation Intentions to Assist Smokers' Ability to Cope with Smoking-Related Cues”
- William Doerrler- *Biological Sciences* wdoerr@lsu.edu
“The roles of DedA family proteins in cell division and membrane biology”
- Alex Garn- *Kinesiology* agarn@lsu.edu
Melinda Solmon- *Kinesiology* msolmo1@lsu.edu
“An Ecological Examination of Physical Activity through Exercise Gaming”

Marwa Hassan- *Construction Management and Industrial Engineering* marwa@lsu.edu
“Evaluation of the effectiveness of balloon lighting system as a solution for glare in nighttime highway construction”

Xiaoyue Jiang- *Construction Management and Industrial Engineering* jiang@lsu.edu
“A Theory of Possibilistic Network Calculus”

Melda Kunduk- *Communication Sciences and Disorders* mkunduk@lsu.edu
“Towards the Computer-Aided Diagnostics of Voice Disorders: Gaining Data on Age and Gender Effects on Vocal Fold Dynamics Using High-Speed Laryngoscopy and Phonovibrograms”

Thomas Kutter- *Physics and Astronomy* kutter@phys.lsu.edu
“Characterization and optimization of CdZnTe semiconductor detectors with pixilated anodes for neutrinoless double beta decay search experiments”

Elaine Maccio- *Social Work* emaccio@lsu.edu
“Personal and Social Characteristics of New Orleans' Homeless Youth”

Isabelina Nahmens- *Construction Management and Industrial Engineering* nahmens@lsu.edu
“Industrialization of On-Site Construction for Disaster Resistant Schools”

Rafael Orozco- *Foreign Languages and Literatures* rorozc1@lsu.edu
“The sociolinguistic of Latinos in Baton Rouge: a study of the Colombian community”

Sungook Park- *Mechanical Engineering* sungook@me.lsu.edu
“Towards Enzymatic Molecular Machine: Nanoscale Immobilization of Biotin Carboxylase”

Lu Peng- *Electrical and Computer Engineering* lpeng@lsu.edu
“Statistical Modeling Architectural Vulnerabilities of Chip-Multiprocessors”

Richard Stevens- *Biological Sciences* rstevens@lsu.edu
“Behavioral, Ecological and Morphological Components of Convergent Evolution in New World Mythos”

Laura Stewart- *Kinesiology* stewart6@lsu.edu
“Mechanisms of Quercetin-Induced Alterations in Energy Expenditure and Inflammation”

Georgios Veronis- *Electrical and Computer Engineering* gveronis@lsu.edu
“Nanoscale Plasmonic Devices for Broadband Enhancement of Nonlinear Optical Effects”

Shuangqing Wei- *Electrical and Computer Engineering* swei@ece.lsu.edu
“Sigma-Delta ADC Based Collaborative Distributed Detection in Wireless Sensor Networks”

Guoping Zhang- *Civil and Environmental Engineering*

gzhang@lsu.edu

“Bioengineered Coastal Sediment Stabilization Using Cross-Linked Biopolymers”

Large Grant Recipients and Project Titles

Group 1:

S. Lee Hong- *Kinesiology*

shong1@lsu.edu

Claire Advokat- *Psychology*

cadvoka@lsu.edu

Melissa Beck- *Psychology*

mbeck@lsu.edu

Drew Gouvier- *Psychology*

wgouvie@lsu.edu

Laura Ikuma- *Construction Management and Industrial Engineering*

likuma@lsu.edu

“Interdisciplinary Study of the Etiology of ADHD: Translating Basic Research into Clinical Tools”



LSU RESEARCH &
ECONOMIC DEVELOPMENT

130 David F. Boyd Hall

Baton Rouge, Louisiana 70803

P: 225.578.5833 | F: 225.578.5983

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