UMass Lowell Seed Funding

2014 Creative Economy Awards

Khanh Dinh (Professor, Psychology), Ivy Ho (Associate Professor, Psychology), Allyssa McCabe (Professor, Psychology) and Jana Sladkova (Assistant Professor, Psychology) – “Understanding Triumphs and Challenges of Immigration and Adaptation: An Innovative Model for Economic and Social Integration Success”

Alan Williams (Associate Professor, Music) and Gena Greher (Professor, Music) – “Discovering Cultural Identity and Self Identity: Creating Spaces for Cambodian-American Adolescents to Explore Their Cultural and Artistic Heritage”

2014 Science and Technology Awards

Supriya Chakrabarti (Associate Dean, College of Sciences), Tim Cook (Assistant Professor, Physics), David Willis (Assistant Professor, Mechanical Engineering), Matthew Lackner (UMass Amherst), Crystal Schaaf (UMass Boston), Miles Sundermeyer (UMass Dartmouth) and Brian Howes (UMass Dartmouth) – “Experimental Center for Environmental LIDAR (EXCEL)

David Kazmer (Professor, Plastics Engineering), Carol Barry (Professor, Plastics Engineering), Alkim Akyurtlu (Professor, Electrical and Computer Engineering), Christopher Hansen (Assistant Professor, Mechanical Engineering) and Sundar Krishnamurty (UMass Amherst Center for e-Design) – “Next Generation Materials and Processes for 3-D Printing”

2014 Internal Seed Grant Awards

Mathew Barlow (Associate Professor, Environmental, Earth and Atmospheric Sciences) – “Contribution of Extreme Precipitation to Northeast Flooding Events”

Stephanie Block (Assistant Professor, Psychology), Linda Williams (Professor, Criminal Justice), Kristy Shockley (Adjunct Faculty, Psychology) and Hannah Johnson (Adjunct Faculty, Psychology) – “Child Abuse Case Attritions and Outcomes”

Manuel Cifuentes (Associate Professor, Work Environment) and Thomas Wilson (Professor, Clinical Laboratory and Nutritional Sciences) – “Impact of Height Adjustable Desk on Health and Productivity in Office Workers”
Angelica Duran-Martinez (Assistant Professor, Political Science) – “The Impact of Marijuana Legalization in the United States on trafficking dynamics in drug producing areas”

Jessica Garb (Assistant Professor, Biology) – “Next Generation DNA Sequencing Approaches to Characterize Protein Architecture and Expression from the Toughest Known Silk Spider”

Robert Giles (Professor, Physics) and Gargi Sharma (Post-Doctoral Researcher, Biomedical Terahertz Tech Center) - “Characterization of terahertz waveguides using a high power pulsed terahertz source”

John Horgan (Professor, Criminal Justice), Neil Shortland (Adjunct Faculty, Criminology), Lynne Samuelson (Co-Director of HEROES) and Ramaswamy Nagarajan (Associate Professor, Plastics Engineering and Director HEROES) - “Using 10,000 Volts de-brief technology to measure the effect of social, environmental and organizational factors on military decision-making”

David Kingsley (Assistant Professor, Economics) – “Endogenous Institutional Formation’

Kimberly Merriman (Associate Professor, Management) – “Pay Equity Evaluation as a Dispositional Tendency”

Michael Millner (Associate Professor, English) and Georges Grinstein (Professor, Computer Science) - “Mapping Money in 19th Century Lowell”

Nese Orbey (Associate Professor, Chemical Engineering) and Mingdi Yan (Professor, Chemistry) – “Functionalized Graphene Nanocomposites for Enhanced Electrical Conductivity”

Rocio Rosales (Assistant Professor, Psychology) and Richard Serna (Associate Professor, Psychology) – “Cultural Barriers Impacting Screening, Diagnosis and Service Delivery for Individuals with Autism Spectrum Disorder in the Greater Lowell Region”

Kelly Socia (Assistant Professor, Criminal Justice) and Melissa Morabito (Assistant Professor, Criminal Justice) – “Analyzing Indicators of Disorder, Community Structure, and Crime in Lowell, MA”

Todd Tietchen (Assistant Professor, English) – “Kerouac's Lowell: Unearthing the Author's Literary Roots”

Thomas Wilson (Associate Professor, Clinical Laboratory and Nutritional Sciences) – “Effect of L-Isoleucine and Exercise on Plasma Glucose, Insulin, Lipids, and Lipoprotein Cholesterol Levels and Glucose Tolerance in Rats Fed High Fat/Sugar Diet”

Yi-Ning Wu – (Assistant Professor, Physical Therapy) and Sean Collins (Associate Professor, Physical Therapy) - “EEL Project: A novel approach for home-based upper extremity activities of Stroke Survivors using combined EMG, EKG and Limbs motion”

Yuan Zhang (Assistant Professor, Nursing), Laura Punnett (Professor, Work Environment), Bryan Buchholz (Professor, Work Environment) and Rajashree Srinivasan Kotejoshyey (Doctoral Student, Work Environment) – “Investigation of physical workload and sleep quality with objective field measures among rehabilitation professionals”
Xiaoqi (Jackie) Zhang (Professor/Civil and Environmental Engineering) – “Exploratory study on enhanced energy recovery from waste sludge by iron addition”