2013 RGC Awardees

**Name** | **Department** | **Title of the Project**
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**Area A**
Julie Olson | Biological Sciences | Why are lionfish such successful invaders?
Yonghyun Kim | Chemical and Biological Engineering | Development of Cost-Effective Culture Media and Growth Strategy for Cancer Stem Cell In Vitro Expansion
Martin Bakker | Chemistry | Proof of Concept of Self-Assembled Battery/Pseudo-Capacitor Electrodes
Mark Elliott | Civil, Construction and Environmental Engineering | Contamination of Drinking Water Wells from Failing Septic Systems in the Black Belt of Alabama
Wei Song | Civil, Construction and Environmental Engineering | Nonlinear Testsbd to Benchmark Real-Time Hybrid Simulation
Eric Giannini | Civil, Construction, and Environmental Engineering | Building the Case for the Autoclave Concrete Prism Test: A New Tool to Detect ASR-Susceptible Aggregates
Eugene Syrtani | Computer Science | Initial Experiments for Micro-Traffic Simulation
Sagy Cohen | Geography | Introducing Explicit Land Use Dynamics in Global Riverine Sediment Flux Modeling
Amy Ellis | Human Nutrition and Hospitality Management | Weight Loss by Total Meal Replacement: Effects on Chronic Disease Risk Factors and Body Composition
Roger Sidle | Mathematics | A novel way to simulate biochemical reactions with snapshots
J. Brian Jordon | Mechanical Engineering | Numerical Analysis of Self-Pierce Riveting
Jinhui Song | Metallurgical and Materials Engineering | Energy Harvesting and Storage Using Piezoelectric and Semiconducting Nanowire Arrays
Susan Appel | Nursing | Polymorphisms, Plasma Levels of PAI-1 and Genetic Admixture among African Americans
Sanjoy K Sarker | Physics and Astronomy | Theory of strongly correlated systems: high Tc superconductors and VO2
Patrick Toole | Physics and Astronomy | Search for High Energy Neutrinos with the HAWC Gamma-ray Observatory
Paolo Rumeni | Physics and Astronomy | Calibration of the CMS Hadron Calorimeter at the Large Hadron Collider (LHC) of CERN

**Area B**
Anthony Buhr | Communicative Disorders | Social Influences on Autonomic Arousal in Autism Spectrum Disorder
Patryk Babiarcz | Consumer Sciences | The Impact of Mid-Life Health Status on the Retirement Standard of Living
Kathryn Seigfried-Spolar | Criminal Justice | Personality Characteristics & Image Preference of Internet Child Pornography Users
Peter Brummund | Economics | Monopoly in the Brazilian Labor Market
Andre Denham | Educational Leadership, Policy and Technology Studies | Improving Conceptual Understanding of Multiplication Through Gestural Conceptual Mapping Within Digital Game Play
Sara Childers, Becky Atkinson | Educational Studies in Psychology, Research Methodology, and Counseling | Learning and Collaborating with Teachers: Exploring how Teachers Deal with Student Data to Improve Student Achievement
Michael Scott Parrott | Journalism | The Role of the Media in the Stigmatization of Mental Illness
Lenita Davis | Management and Marketing | Ideology and its influence on the marketplace
Regina Bentley, Andrea Sartain | Nursing | Decreasing Anxiety in the Clinical Setting and improving Health Assessment Skills in Nursing Students Using Standardized Patients
Cynthia Kelly | Nursing | Pychometric Evaluation of the Commitment to Health Scale
Ellen Cutrone | Political Science | Boon or Bust? Explaining the Motivations Behind US Free Trade Agreements
Doug Gibson | Political Science | PILOT STUDY: The Effects of US Foreign Policy Decisions on Anti-Americanism Attitudes Abroad, A Multi-Country, Multi-Year Survey Analysis
Hong Min Park | Political Science | The Political and Policy Consequences of the Tea Party Movement
Philip Gable | Psychology | Influence of Positive Affect and Neural Processes on Impulsivity and Alcohol Use
Andrea Glenn | Psychology | fMRI Predictors of Treatment Outcome in Antisocial Youth
Kristina McDonald | Psychology | Social Cognitions, Reactivity, and Effortful Control as Predictors of Adolescent Aggressive Behavior
Laura Hopson | Social Work | Exploring the School Experiences of Juvenile Offenders and Implications for Academic Success
Hyunjin Noh | Social Work | Hospice Staff Perceptions of the Influence of Pre-enrollment Visits in Decisions to Choose Hospice Care among Seriously Ill African Americans
Gaynell Simpson | Social Work | Rural, African American, Female Caregivers with Multimorbidity: Use of Informal Social Networks for Self-Management of Chronic Illness
Omar Sims | Social Work | Psychoneuroimmunology of Neuropsychiatric Adverse Effects and Viral Cure of Hepatitis C Virus during Triple Therapy
Sara McDaniel | Special Education and Multiple Abilities | An Examination of Goal Setting Components within the Check-In/Check-Out Intervention
Sandra Nichols | Special Education and Multiple Abilities | Community Outreach Network - Nurturing and Educating the Children of Tuscaloosa: CONNECT

**Area C**
Tanja Jones | Art and Art History | Giovanni Badile’s San Giralmo Frescoes and the Reception and Function of the Earliest Cast Portrait Medals
Michelle Bachelor Robinson | English | Reconstructing Black Louisville: a Unique Space for Literacy, Rhetoric, and Agency
James McNaughton | English | Literary and Historical Archives: Samuel Beckett’s Aesthetics of Loss
Deborah Weiss | English | The Figure of the Female Philosopher: The British Novel of Ideas and the Ends of the Enlightenment, 1792-1814
Ana Corbalan | Modern Languages and Classics | Questioning Cultural Hybridity: Perceptions of Latin American Immigration in Contemporary Spanish Cinema
Osiris Molina, Jenny Mann, Shelly Meggison | Music | Dialogue: Contemporary Works for Reed Trio: A recording project
John Ratledge | Music | The composition of a multi-movement choral composition based on unpublished poems of women poets of the Italian Renaissance
Kenneth Ehrenberg | Philosophy | The Functions of Law
Rekha Nath | Philosophy | Reconceiving the grounds and scope of social equality