

SPRING 2016

Virginia Commonwealth University Presidential Research Quest Fund

<p>Melissa Jamerson Department of Clinical Laboratory Sciences School of Allied Health Professions <i>Functional Relevance of a Signaling Protein Linked to Attachment and Invasion of Naegleria fowleri Amebae</i></p>	<p>Sean Cox Department of Mathematics and Applied Mathematics College of Humanities and Sciences <i>Open problems in the foundations of mathematics</i></p>
<p>Pamela Lawton Department of Art Education VCU Arts <i>Artstories: A Tale of Two Capital Cities</i></p>	<p>Maria Rivera Department of Biology College of Humanities and Sciences AND James Kang Department of Pharmacology and Toxicology School of Medicine <i>Altered gastrointestinal microbiota in opioid- induced antinociceptive tolerance</i></p>
<p>Alenka Luzar Department of Chemistry College of Humanities and Sciences AND Hooman Tafreshi School of Engineering Department of Mechanical and Nuclear Engineering School of Engineering <i>The physics of detaching a droplet from a fiber</i></p>	<p>Hisashi Harada Department of Oral and Craniofacial Molecular Biology School of Dentistry <i>A pilot gene therapy strategy for head and neck cancer treatment</i></p>
<p>Marcia Winter AND Robin Everhart Department of Psychology College of Humanities and Sciences <i>Families of Richmond, VA Study Extension (For- VA-X)</i></p>	<p>Stephen Tucker Department of Teaching and Learning School of Education <i>Investigating Children's Mathematical Interactions with a Touchscreen Technology Environment</i></p>

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<p>Worth Longest Department of Mechanical & Nuclear Engineering School of Engineering AND Rebecca Heise Department of Biomedical Engineering School of Engineering <i>Developing a practical delivery device and animal proof-of-concept data for a new inhaled surfactant therapy developed at VCU</i></p>	<p>Jessika Rojas Marin Department of Mechanical and Nuclear Engineering School of Engineering <i>Radiosensitizer nanomaterials for enhanced targeted radiation therapy</i></p>
<p>Weining Wang Department of Mechanical and Nuclear Engineering School of Engineering <i>Engineered Photocatalysts with Hierarchical Structures toward Better CO₂ Photoreduction Efficiency</i></p>	<p>Paul Bukaveckas Center for Environmental Studies VCU Life Sciences <i>Algal Toxins in the Environment: Advancing the State of Science through New Analytical Techniques and Experimental Approaches</i></p>
<p>Jasmohan Bajaj Department of Internal Medicine School of Medicine <i>Impaired Brain-Gut Axis in the Pathogenesis of Alzheimer's Dementia</i></p>	<p>Swati Deb AND Sumitra Deb Department of Biochemistry and Molecular Biology School of Medicine <i>Targeting Mutant p53 in Lung Cancer</i></p>
<p>Javier Gonzalez-Maeso Department of Physiology and Biophysics School of Medicine <i>HDAC Inhibitor Augmentation to Clozapine: A pilot study in schizophrenia</i></p>	<p>Xiang-Yang Wang Department of Human and Molecular Genetics School of Medicine AND Shijun Zhang Department of Medicinal Chemistry School of Pharmacy <i>Novel NLRP3 inflammasome inhibitors and multiple sclerosis</i></p>
<p>Tomasz Kordula Department of Biochemistry and Molecular Biology School of Medicine <i>Ying Yang 1, a master regulator of chronic inflammation in glioblastoma multiforme</i></p>	<p>Suzanne Ameringer Department of Family and Community Health Nursing School of Nursing <i>Improving Symptom Self-Management in Adolescents & Young Adults with Cancer</i></p>

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<p>Mary Lynn Davis-Ajami Department of Adult and Health Nursing Systems School of Nursing <i>Estimating the payer Specific Excess Costs of select INfections in adults with diabetes and their relationship to oral antidiabetic (OAD) medication non-adherence (SPEC IN Diabetes)</i></p>	<p>Sandro daRocha Department of Pharmaceutics School of Pharmacy <i>Placental Targeting for Noninvasive Fetal Therapy</i></p>
<p>Debra Hanson Art History Program VCU Qatar <i>Looking Westward: Visual Narratives of the American West in the U.S.Capitol</i></p>	<p>Karen Chartier School of Social Work <i>Strengthening African American and Latino Engagement in DNA Research</i></p>
<p>Haley Cleary Department of Criminal Justice The Wilder School <i>Testing the General Deterrent Impact of Adolescent Sex Offender Registration Policies</i></p>	

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