

SPRING 2017

Virginia Commonwealth University Presidential Research Quest Fund

<p>Virginia Chu Department of Occupational Therapy School of Allied Health Professions <i>Characterization of sensory function associated with idiopathic toe walking in children</i></p>	<p>Susanna Klein Department of Music School of the Arts <i>V-Coach: Technology to train musicians and decrease rate of injury through meaningful digital feedback</i></p>
<p>Victoria Yoon Department of Information Systems School of Business <i>Enhanced approach for automatically detecting and analyzing terrorist movement frames on the Web</i></p>	<p>Julie Zinnert Department of Biology College of Humanities and Sciences <i>Biotic controls over ecosystem function: implications for carbon dynamics in coastal systems</i></p>
<p>Craig Larson Department of Mathematics and Applied Mathematics College of Humanities and Sciences <i>Automated discovery tools for large-scale systematic mathematical research</i></p>	<p>Angela Reynolds and Rebecca Segal Department of Mathematics and Applied Mathematics College of Humanities and Sciences AND Shoba Ghosh Department of Internal Medicine School of Medicine <i>The contribution of macrophages to disease progression</i></p>
<p>Bradford Windle Philips Institute for Oral Health Research School of Dentistry <i>Luminescing cancer cells with GOF p53 mutations</i></p>	<p>Adai Tefera Department of Foundations of Education School of Education <i>Missing the trees for the forest: The importance of context and the limits of generalizability in the racialization of disabilities</i></p>
<p>Laleh Golshahi Department of Mechanical and Nuclear Engineering School of Engineering <i>Evaluating the benefits of Heliox High Glow Nasal Cannula with in vitro breathing pediatric lunch models</i></p>	<p>Nathaniel Kinsey Department of Electrical Engineering School of Engineering <i>Front-to-Back Optimized Nanoscale Plasmonic Modulator: Realizing the potential</i></p>
<p>Bridget Thomson-McInnes Department of Computer Science School of Engineering AND Nastassja Lewinski Department of Chemical and Life Science Engineering School of Engineering <i>Automated synthesis planning for size and composition control of metallic nanoparticles</i></p>	<p>Jennifer Wolstenholme Department of Pharmacology and Toxicology School of Medicine AND Michael Grotewiel Department of Human and Molecular Genetics School of Medicine <i>Effects of nutritional supplementation on Ethanol-responsive behaviors</i></p>



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<p>Kathryn Holloway Department of Neurosurgery School of Medicine <i>Optimization of Nucleus Basalis of Meynert Stimulation for the treatment of Dementia</i></p>	<p>Paul Dent Department of Biochemistry and Molecular Biology School of Medicine <i>Pemetrexed/Sorafenib/Neratinib for cancer therapy</i></p>
<p>Guarav Gupta Department of Internal Medicine School of Medicine <i>Hepatitis C donor positive kidney transplantation for Hepatitis C Virus</i></p>	<p>Amy Pakyz Department of Pharmacotherapy and Outcomes Science School of Pharmacy AND Gonzalo Bearman and Michael Stevens Department of Internal Medicine School of Medicine <i>Impact of the Centers for Medicare and Medicaid Services Sepsis Core Measures on hospital-level broad-spectrum antibacterial use</i></p>
<p>MaryPeace McRae Department of Pharmacotherapy and Outcomes Science School of Pharmacy <i>Understanding the effects of HIV-1 and opiates on the Blood-Brain Barrier using an in vitro primary mouse model</i></p>	<p>Hyojin Im School of Social Work AND Rosalie Corona Department of Psychology College of Humanities and Sciences <i>Trauma-informed care for refugee newcomers in VA: A factorial design of effectiveness-implementation hybrid research</i></p>
<p>Fabrizio Fasulo Center for Urban and Regional Analysis (CURA) L. Douglas Wilder School of Government and Public Affairs AND Michel Aboutanos Department of Surgery School of Medicine <i>Evaluating the effectiveness of the "Bridging the Gap" Program - A VCU hospital centered injury and violence prevention initiative</i></p>	<p>Radha Dalal Department of Art History VCU School of the Arts in Qatar <i>The Khilafat Movement and print media in British India and Ottoman Turkey, 1919-1924</i></p>



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