

SPRING 2015

Virginia Commonwealth University Presidential Research Quest Fund

John Accordino

Center for Urban and Regional Analysis
L. Douglas Wilder School of Government and Public Affairs
Age wave access mapping/VCU metro view project for senior isolation

Katherine Belecki

Department of Chemistry
College of Humanities and Sciences
A greener route to blockbuster statin drugs: Harnessing the power of biocatalysis and flow chemistry in the synthesis of Crestor

Jill Bettinger

Department of Pharmacology and Toxicology
School of Medicine

Laura Mathies

Department of Pharmacology and Toxicology
School of Medicine
SWI/SNF chromatin remodeling regulates alcohol response behaviors

Frank Bosco

Department of Management
School of Business

Sven Kepes

Department of Management
School of Business

J. Paul Brooks

Department of Statistical Sciences and Operations Research
College of Humanities and Sciences
Research curation as a vehicle for scientific insight and the public understanding of science

Kai Cheang

Department of Pharmacotherapy and Outcomes Science
School of Pharmacy
Lipid metabolism and embryo quality in In Vitro fertilization

Elizabeth Cramer

School of Social Work
Pilot Project for LEAP fidelity of implementation: An abuse prevention program for people with intellectual disabilities

Mikhail Dozmorov

Department of Biostatistics
School of Medicine

Catherine Dumur

Department of Pathology
School of Medicine
Diagnostics and therapeutic strategies of triple-negative breast cancer guided by the patient-specific 'omics' data

Jodie Ferguson

Department of Marketing
School of Business
Use of heuristics in consumer judgments of offer fairness in evaluating mortgage documents

Scott Gronert

Department of Chemistry
College of Humanities and Sciences
Mass spectrometric profiling of temporal responses in the Redox Proteome of trauma patients: Identifying potential biomarkers for recoveries with complications

Ibrahim Guven

Department of Mechanical and Nuclear Engineering
School of Engineering
Superior toughness in materials through integrated computations and experiments

continued on next page



SPRING 2015

Virginia Commonwealth University Presidential Research Quest Fund

continued

Carolyn Hawley

Department of Rehabilitation Counseling
School of Allied Health Professionals

Lauretta Cathers

Department of Rehabilitation Counseling
School of Allied Health Professionals
Social media gaming and wellness behaviors of college student

Dawn Hendricks

Department of Special Education and Disability Policy
School of Education
Establishing a comprehensive treatment model for students with autism spectrum disorder in early childhood special education: Making research based practices accessible

Iain Morgan

Philips Institute for Oral and Craniofacial Molecular Biology
School of Dentistry
Targeting the cellular protein TopBP1 for disruption of human papillomavirus 16 (HPV 16) DNA replication and life cycle

Terry Oggel

Department of English
College of Humanities and Sciences
Mark Twain: The public writings Samuel Clemens really wrote

Luiz Ozaki

Center for the Study of Biological Complexity
VCU Life Sciences
Genetic profiling of a malaria parasite mosquito vector in scenario of malaria elimination in the Brazilian Amazon

Damian Pitt

Urban and Regional Studies/Planning
L. Douglas Wilder School of Government and Public Affairs
Optimizing the grid integration of distributed solar energy through smart grid technology, power controls and public policy initiatives

Edward Richardson

Department of Music
School of the Arts
Groundbreaking new concertos for trumpet

Jamie Sturgill

Department of Family and Community Health Nursing
School of Nursing
Examining the ORMDL3-ceramide axis in allergic asthma

Alex Tan

Department of Internal Medicine
School of Medicine
Autonomic mechanisms of premature ventricular contraction-induced cardiomyopathy

Christina Tang

Department of Chemical and Life Science Engineering
School of Engineering
D2-TeX next generation smart fabric for detection and detoxification of chemical warfare

Douglas Willson

Department of Pediatrics
School of Medicine

Jesse Bain

Department of Pediatrics
School of Medicine
Diagnosis, outcomes and microbiome in pediatric ventilator-associated infections

Hong Zhao

Department of Mechanical and Nuclear Engineering
School of Engineering
Inkjet printing of two-dimensional nanosheet materials for electronics and biosensing