## Virginia Commonwealth University

### Presidential Research Incentive Program awardees

#### Suzanne Barbour

Department of Biochemistry and Molecular Biology iPLA2B and advanced glycation end products in B-cell apoptosis and diabetes

#### Chin-Chih Chen

Department of Special Education and Disability Policy School readiness of high-risk youth: A longitudinal follow-up of early risk and resilience

#### Ching-Kang Chen

Department of Biochemistry and Molecular Biology Molecular mechanisms of diverse response properties of retinal ON-bipolar cells

#### Gail Christie

Department of Microbiology and Immunology Ribosomal protein processing in Staphylococcus aureus: A potential new target for antimicrobial therapy

#### M. Imad Damaj

Department of Pharmacology and Toxicology Role of galanin receptors in nicotine dependence

#### William Eggleston Jr.

Department of Biology Analysis of canalization and habituation in maize

#### Linda Fernandez

Center for Environmental Studies

#### Daniel McGarvey

Center for Environmental Studies

Transboundary nutrient management in the Chesapeake Bay watershed: A cost-effective, interstate approach to meeting the bay TMDL requirements

#### Glen Kellogg

Department of Medicinal Chemistry

#### J. Neel Scarsdale

Center for the Study of Biological Complexity

Bioinformatics in 3D: Paradigm for biomacromolecular structure refinement and prediction

#### Shelly Lane

Department of Occupational Therapy Examining the impact of sensory-based therapeutic tasks on arousal, attention and performance in children

#### Christopher Lemmon

Department of Biomedical Engineering
The role of fibronectin in intercellular force generation,
epithelial-mesenchymal transition and genomic instability

#### **Jennifer Manuel**

School of Social Work

Community re-entry following residential substance abuse treatment: The role of substance use, mental health and social supports

#### M. Alex Meredith

Department of Anatomy and Neurobiology Tinnitus, hearing loss and crossmodal neuroplasticity: Two ears or one?

#### **Austin Mulloy**

Department of Special Education and Disability Policy Evaluation and use of restricted diets in treatment of autism spectrum disorders

#### Sara Wilson McKay

Department of Art Education

#### **Ieanne Walter**

Department of Family and Community Health Nursing

The art of nursing: Designing a model of art-based interprofessional education leading to enhanced observational and clinical reasoning skills in nursing students

#### Rai Rac

Department of Chemical and Life Science Engineering

#### Shilpa Iyer

Center for the Study of Biological Complexity VCU Life Sciences

Characterization of amyotrophic lateral sclerosis (ALS) patient-derived induced pluripotent stem cells

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# Spring 2012 Virginia Commonwealth University

## Presidential Research Incentive Program awardees, cont.

#### Joseph Reiner

Department of Physics

#### Dexian Ye

Department of Physics

Single molecule metabolomics through nanopores and Raman spectroscopy

#### Sinem Sahingur

Department of Periodontics Inflammatory responses initiated by periodontal bacterial DNA

#### Fadi N. Salloum

Department of Internal Medicine, Division of Cardiology Role of miRNA-21 in mediating cardioprotection with hydrogen sulfide

#### Devanand Sarkar

Department of Human and Molecular Genetics Analyzing the role of SND1 in steatosis and hepatocellular carcinoma using a mouse model

#### Carol Scotese

Department of Economics A dynamic quantitative model of labor market assignment



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