Spring 2012
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

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

Jeanne 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

Raj Rao
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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<th>Joseph Reiner</th>
<th>Fadi N. Salloum</th>
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<tr>
<td>Department of Physics</td>
<td>Department of Internal Medicine, Division of Cardiology</td>
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<td>Role of miRNA-21 in mediating cardioprotection with</td>
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<td>Dexian Ye</td>
<td>Devanand Sarkar</td>
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<td>Department of Physics</td>
<td>Department of Human and Molecular Genetics</td>
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<td>Analyzing the role of SND1 in steatosis and hepatocellular carcinoma using a mouse model</td>
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<td>Sinem Sahingur</td>
<td>Carol Scotese</td>
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<td>Department of Periodontics</td>
<td>Department of Economics</td>
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- Single molecule metabolomics through nanopores and Raman spectroscopy
- Inflammatory responses initiated by periodontal bacterial DNA
- Analyzing the role of SND1 in steatosis and hepatocellular carcinoma using a mouse model
- A dynamic quantitative model of labor market assignment