The 45th Annual
John C. Forbes
Research Colloquium

Thursday, March 15, 2018
Virginia Commonwealth University
School of Medicine
John C. Forbes
John C. Forbes Graduate Student Research Colloquium

This Colloquium consists of student research presentations in a "short talk" format. Students participating are selected on the basis of the quality and clarity of a written description of the research project and evaluated by members of the faculty. The presentations are also evaluated on the basis of the effectiveness in communicating the research described. Outstanding presentations are recognized and a monetary award is made to participants. The solicitation of papers, judging of papers and scheduling of the Colloquium are coordinated by the Student Committee composed of representatives from the Departments in which research in the sciences is conducted and the Office of Graduate Education.

The Forbes family established a fund to support the Forbes Day activities. The faculty and students on the Medical College of Virginia Campus of Virginia Commonwealth University extend our deep appreciation to the Forbes family for their continuing support of scholarly achievement.

John Campbell Forbes received his Bachelors degree in 1920 and his Masters degree in 1922 from Saskatchewan University. In 1925, he received his Doctoral degree form McGill University. He joined the faculty of the Medical College of Virginia (MCV) as an Assistant Professor in the Department of Biochemistry in 1927, being promoted to Associate Professor in 1932 and Professor in 1944. In 1965, Dr. Forbes was appointed as an Emeritus Professor. Dr. Forbes died on May 25, 1989 at the age of 94. He was internationally recognized as an authority in cholesterol-atherosclerosis research and alcoholism.

During his tenure at MCV, Dr. Forbes became the first chairman of the Committee on Graduate Studies in 1934, supervising the first two graduate students receiving their degree from MCV. Because of his insight, and dedication to the advancement and excellence in research and as a pioneer in graduate education, the School of Medicine, in recognition of Dr. Forbes, continues its awareness and promotion of those students who have and are dedicating their lives to the advancement of science.
Presentations

10:00 AM  Rebecca Schmitt  
“Nitric Oxide Signaling in *Drosophila* Ethanol Sedation”

10:20 AM  Kristen Lee  
“Transmitter Synthesis an Release Machinery in Glia Influences *Drosophila* Alcohol Sedation”

10:35 AM  Javeria Aijaz  
“Role of NuRD in Modulating Genotoxic Sensitivity and Colony Forming Potential in AML”

10:50 AM  Julia Meade  
“Molecular and Behavioral Mechanisms Mediating Paclitaxel-induced Changes in the Affect-like Behavior in Mice”

11:05 AM  Lauren Walker  
“Patient-Centered Medical Homes: Do Patients and Providers Agree on Attributes?”

***** LUNCH BREAK *****

1:30 PM  Dana Lapato  
“DNA Methylation Patterns Associated with Postpartum Depressive Symptoms”

1:50 PM  Mazen Gouda  
“The Effect of Aging and Mild Traumatic Brain Injury on the Stability of the Axonal Initial Segment”

2:05 PM  Ashley Bennett  
“A New Perspective in Hv1 Voltage Sensor Modulation by Zn2+ “

2:20 PM  Ria Fyffe-Freil  
“The Effects of Lysophosphatidic Acid on Hepatocyte Preservation Injury”