

TIMOTHY A. JOHNSON MEDICAL SCHOLAR LECTURE SERIES

Presented by the Fralin Biomedical Research Institute at VTC and the Virginia Tech Carilion School of Medicine



VIVIEN SHEEHAN, M.D., Ph.D.

Associate Professor of Pediatrics,
and Director of Translational Sickle
Cell Disease Research at the Emory
University School of Medicine

From Genomics to Biomarkers: A New Landscape in Sickle Cell Disease

Dr. Sheehan will describe her career as a physician scientist, and how her laboratory uses genomics to unravel the mechanisms of globin switching and the pharmacogenomics of hydroxyurea in sickle cell disease (SCD), in order to develop new fetal hemoglobin inducing agents to treat people with sickle cell disease. Her work has led to a clinical trial of metformin as a fetal hemoglobin inducing agent in patients with hemoglobinopathies. Dr. Sheehan has also developed rheology biomarkers for use in assessing cure in gene based therapy, and collaborates with Dr. Gang Bao to assess the safety and efficacy of CRISPR/Cas9 based gene therapy in SCD.

FRIDAY, NOV. 6 at 1:00 p.m.

This seminar will be webcast live at fbri.vtc.vt.edu/events/live-webcast. In addition, students, faculty, and staff at Virginia Tech and Carilion Clinic who are invited to attend this lecture will receive Zoom access via email.

