

# PIONEERS IN BIOMEDICAL RESEARCH SEMINAR

Presented by the Fralin Biomedical Research Institute at VTC and co-sponsored by the institute's Center for Vascular and Heart Research



JENNIFER SILVA, M.D.

Professor  
Pediatrics and Pediatric Cardiology  
Director of Pediatric Electrophysiology  
Washington University School of Medicine  
in St. Louis

## *In Person Lecture: Precision Medicine in Cardiac Electrophysiology*

Recent advancements in the understanding of cardiac arrhythmias and therapies have begun to usher in an era of precision anti-arrhythmic medicine. Physicians often treat arrhythmia with complementary therapeutic strategies, anti-arrhythmic drugs and transcatheter ablations. Based on enhanced understanding of biophysical ion channel mechanisms, we can now better predict what patients will respond to certain antiarrhythmic medications and use this insight to pursue novel therapeutic strategies. Concurrently, Jonathan and Jennifer Silva and their research teams have collaboratively improved physician accuracy by providing physicians with a better visualization of the heart while they perform ablations with new augmented reality technology.



JONATHAN SILVA, Ph.D.

Professor  
Biomedical Engineering and  
Computer Science and Engineering  
Washington University in St. Louis

FRIDAY, OCT. 6, at 11 a.m.

Room G101 A/B, 4 Riverside Circle  
Watch live via Zoom at <https://FralinBioMed.info/PBR-Join>



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