

## Distinguished Lecture Series in Physiology

# Jonathan Silva, Ph.D.

Professor  
Department of Biomedical Engineering  
Washington University in St. Louis

## “Precision Medicine in Cardiac Electrophysiology”

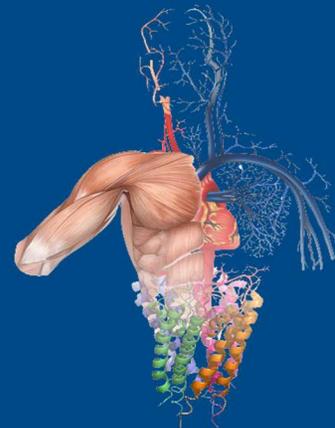
Recent advancements in the understanding of cardiac arrhythmias and therapies have begun to usher in an era of precision anti-arrhythmic medicine. Physicians often treat arrhythmia with complementary therapeutic strategies, anti-arrhythmic drugs and transcatheter ablations. Based on enhanced understanding 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, we have improved physician accuracy by providing physicians with a better visualization of the heart while they perform ablations with new augmented reality technology.

Thursday, April 4, 2024  
GBSF and Zoom  
12 p.m.

April  
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