

# TIMOTHY A. JOHNSON MEDICAL SCHOLAR LECTURE SERIES

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



## LEE L. ECKHARDT, M.D., FHRP

Associate Professor of Medicine  
Gary and Marie Weiner Professor in Cardiovascular  
Medicine Research  
Cellular and Molecular Arrhythmia Research Program  
University of Wisconsin - Madison

### *Virtual Lecture: Characterizing the Uncharacterized: Models to Understand Unknown Genetic Variants Related to Ventricular Arrhythmia and Sudden Death*

In this seminar Dr. Eckhardt will highlight some of the contemporary challenges regarding cardiac sudden death syndromes at all levels: syndrome diagnosis, determining arrhythmia mechanisms, and how to approach clinical management. The presentation will include research data on how high-throughput methods for genetic variant classification can help with clinical diagnostics. She will also discuss how one of her patients inspired a pathway of research to characterize the mechanism of arrhythmia, previously unknown, that has assisted with treatment approach. And finally, the challenges of unexplained sudden death/ Idiopathic Ventricular Fibrillation (IVF) and implications for clinical management will be introduced in conjunction with some forward-looking research methodology.

FRIDAY, NOV. 12, 2021 at 1:00 p.m.

Watch live via Zoom at <https://virginiatech.zoom.us/j/82257173281> or at <https://fbri.vtc.vt.edu/events/live-webcast.html>.

