

Brandon Biesiadecki, MS, PhD

Dr. Brandon Biesiadecki obtained his PhD in 2003 from Case Western Reserve University (Ohio, USA) under Dr. J.-P. Jin studying the role of troponin T isoforms on cardiac function. Continuing his postdoctoral training with Dr. R. John Solaro (University of Illinois at Chicago, Illinois, USA), he expanded his focus into the cardiac contractile effects of phosphorylation. In 2009 Brandon joined the Department of Physiology and Cell Biology, The Ohio State University, Ohio, USA as faculty where he is currently Professor and Vice Chair. Brandon's laboratory focuses on the effects of signaling pathways that modulate cardiac muscle contraction, relaxation and in-vivo heart function. His work has identified novel cardiac contractile regulatory protein post-translational modifications that improve in-vivo cardiac function providing new therapeutic targets for heart failure. Recent significant work identified cardiac tyrosine kinase mediated myofilament phosphorylation as a novel pathway to directly accelerate diastolic function and improve outcome in diastolic dysfunction.