

Dr. Caitlin O'Meara is an Associate Professor in the Physiology Department at the Medical College of Wisconsin (Milwaukee, WI) and she currently serves as the chair for the NIH Myocardial Physiology and Pathophysiology B (MPPB) study section. Dr. O'Meara's has prior training in genetic mapping of genes underlying cardiovascular disease (PhD - Medical College of Wisconsin under the direction of Dr. Howard Jacob) and mechanisms of neonatal heart regeneration and cardiomyocyte proliferation (Postdoctoral Fellowship – Harvard Medical School under the direction of Dr. Richard T. Lee). Dr. O'Meara's lab applies innovative 'omics and genetic-based strategies to answer unsolved problems in cardiac regeneration and repair. Current areas of research in the O'Meara lab include cytoarchitectural and polarity factors mediating cardiomyocyte regeneration, fibroblast-immune crosstalk in post infarct healing, and genetic mapping of cellular traits underlying cardiac repair.