



### **Bembea, Melania**

Dr. Bembea is an Associate Professor of Anesthesiology/Critical Care Medicine and Pediatrics at the Johns Hopkins University School of Medicine. She completed residency training in Pediatrics at the Cleveland Clinic (2006). She then pursued fellowship training in Pediatric Critical Care Medicine (2009), a Master of Public Health (2008) and a PhD in Clinical Investigation (2014), all at Johns Hopkins. As part of two consecutive career development NIH awards, she conducted a combination of surveys, systematic reviews and prospective observational studies to define disturbances in coagulation and to monitor for neurologic injury in children on extracorporeal membrane oxygenation (ECMO) using novel plasma brain injury biomarkers. She is now continuing this work in multicenter NIH funded studies. The goal of her research is to improve survival and neurodevelopmental outcomes of these critically-ill children. Dr. Bembea serves as the Medical Director of the Neonatal and Pediatric ECMO Program at the Johns Hopkins Hospital. She co-chairs the multicenter Pediatric ECMO Research Collaborative (PediECMO) between the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network and the Extracorporeal Life Support Organization (ELSO) and she serves as vice-chair of the PALISI Scientific Review Committee.