ElMallah, Mai

Dr. ElMallah is a pediatric pulmonary clinician scientist and the Duke Cystic Fibrosis Center Director. She leads a clinical team that provides excellent care for children with Cystic Fibrosis at Duke Medicine. In the laboratory, she leads a research team whose focus is on AAV gene therapy to treat respiratory dysfunction due to neuromuscular diseases. Her laboratory also focuses on the control of breathing and lung mechanics of murine models of neuromuscular disorders such as Pompe Disease, amyotrophic lateral sclerosis, and Duchenne Muscular Dystrophy. Dr. ElMallah has numerous publications focused in pediatric pulmonary and gene therapy for neuromuscular disorders. She received funding from both local and national foundations. As an Assistant Professor, she received a K08 grant from the NICHD exploring the role of ampakines (glutamate receptor modulators) in treating respiratory insufficiency in Pompe Disease. In addition, she collaborated with numerous investigators on the use of novel therapeutics for ALS. She was awarded a starter grant from the ALS Association to study the mechanisms of respiratory insufficiency in the ALS through the use of a mouse model – the SOD1G93A . She was also awarded an exploratory R21 grant from the NINDS to use gene therapy to target and treat respiratory insufficiency in ALS. She also became a Co-PI on a translational program project grant from the NICHD to study the role of gene therapy in Alpha-1-Antitrypsin. She is also a PI on multiple CF grants and recently received a CMN grant as well as a grant from the CF foundation to improve access to mental health screening for CF patients