

Corrine R. Kliment, MD, PhD

Assistant Professor of Medicine

Associate Program Director and Assistant Dean, MSTP

Pulmonary, Allergy and Critical Care Medicine

University of Pittsburgh

Research Title:

Mitochondrial Transfer to Lung Epithelial Cells using Extracellular Vesicles (EVs)

Mitochondrial dysfunction is involved in the pathogenesis of chronic lung disease such as chronic obstructive pulmonary disease (COPD). We are interested in utilizing the transfer of healthy mitochondria to injured lung epithelial cells using EVs. We will explore if this transfer can be further optimized by engineering the specificity of the EVs for the lung cells.