



Summary:

Dr. Alexander Misharin is an Associate Professor in the Division of Pulmonary and Critical Care Medicine, at Northwestern University, Feinberg School of Medicine, Chicago. He is an immunologist, focusing on macrophage biology in the context of lung injury and repair. His research focuses on severe pneumonia, complications of lung transplant, and interstitial lung diseases. His group applies modern single-cell genomics and machine learning techniques to samples from patients with lung diseases to identify cellular and molecular factors that can serve as disease biomarkers, predict successful responses to therapy, and serve as novel therapeutic targets.