



## Single Cell Research in Progress Seminar Series

### “Characterizing Pulmonary Fibrosis with Single-Cell: Challenges Regarding the Cell Ontology of Abnormal Tissues.”

Taylor Adams, BA, Research Assistant & Jonas Schupp, MD, Postdoctoral Associate

[taylor.adams@yale.edu](mailto:taylor.adams@yale.edu) & [jonas.schupp@yale.edu](mailto:jonas.schupp@yale.edu)

[@jonas\\_schupp](https://twitter.com/jonas_schupp)

**Kaminski Lab**

**Yale University**

**Host: Dr. Naftali Kaminski, MD**

**Boehringer Ingelheim Pharmaceuticals, Inc. Professor of Medicine (Pulmonary) &  
Chief, Pulmonary, Critical Care, & Sleep Medicine**

**Zoom:** <https://zoom.us/j/93100138305?pwd=U0E4UVZkdzRhTjVBSSswNzNGWXFFUT09>

Wednesday, February 10, 2021

12:00 p.m. to 1:00 p.m. Seminar



Idiopathic Pulmonary Fibrosis (IPF) is a deadly disease characterized by progressive scarring in the distal lung. Improvements in therapeutic strategies for IPF are hampered by our poor understanding of its pathobiology, including the cellular origin and makeup of its lesions. Taylor Adams will present recent discoveries derived from single-cell RNAseq analysis of IPF and control lungs; Jonas Schupp will present findings from single-nuclear RNAseq of specific IPF lung regions. We will reflect on how these findings have challenged our assumptions about distinguishing differences between cell-types from differences within a cell-type when investigating the biology of aberrant tissues.



Taylor has earned his B.A. in Biology at Western Connecticut State University in 2014. He joined the Kaminski lab in the Pulmonary, Critical Care and Sleep Medicine section in 2015. Jonas has earned his M.D. at the Albert Ludwig University of Freiburg, Germany, joining the Kaminski Lab in 2017.