



Summary:

Dr. Jonathan Baker is a senior research associate at King' College London. His main research interests are investigating aberrant signalling and inflammatory mechanisms in the respiratory disease, chronic obstructive pulmonary disease (COPD). Jonathan previously worked with Professors Peter Barnes, Louise Donnelly, and Kaz Ito at Imperial College London, where using primary patient samples Jonathan's work focussed on understanding the role cellular senescence plays in driving COPD and whether these cells can be targeted therapeutically. This work focussed on understanding the mechanism(s) which drive cellular senescence in the small airways of COPD patients, as well as understanding the potential senolytics and senomorphic drugs may have in the treatment of COPD. He continues this work, examining the role cellular senescence plays in disease exacerbations, working in collaboration with Professor Mona Bafadhel at King's.