Conditions Treated:

Research Areas:

- Airway Epithelial Cell Biology
- Respiratory bacterial and viral infections in asthma and COPD

Programs & Services:

- Department of Medicine
- Division of Pulmonary, Critical Care and Sleep Medicine (Adult)

Airway epithelial cell host defense functions against bacterial and viral infections in asthma and COPD.

Research Interests

Dr. Chu's laboratory studies the innate immunity of lung cells such as epithelial cells and macrophages in asthma and COPD. Particularly, Dr. Chu focuses on revealing the mechanisms underlying the increased susceptibility to respiratory infections of bacteria and viruses in airways of asthma and COPD patients.

Affiliations with the University of Colorado Denver

Professor, Department of Immunology & Microbiology, University of Colorado Denver

Publications


Gally F, DiYP, Smith SK, Minor MN, Liu Y, Bratton DL, Frasch SC, Michels NM, Case SR, Chu HW. SPLUNC1 promotes lung innate defense against Mycoplasma pneumoniae infection in mice. Am