

Columbia University Department of Chemical Engineering Fall 2015 Seminar Series

Date: Tuesday, September 29th

Time: 4:00 pm

Location: 825 Mudd Building*

The indoor microbiome, allergies, and asthma

Jordan Peccia

Associate Professor of Chemical & Environmental Engineering

Yale University

The impact of buildings on human health is profound. Adults and children spend more than 90% of their time indoors where the majority of a human's inhalation, contact, and ingestion exposures occur. Our group integrates DNA-based microbial diversity measurements, quantitative engineering models, and epidemiology to understand how bacterial and fungal communities prevent asthma and allergy development and influence asthma severity.

*There will be a reception from 3:30pm-4:00pm where light refreshments will be served in Mudd 801.