



CHINESE-**A**MERICAN **L**UNG **A**SSOCIATION



2020 CALA Happy Friday Seminar

June 12th, 2020

Join Zoom Meeting: <https://zoom.us/join>

Meeting ID: 998-9099-1991

Password: 397500

Time: EST 10:30 am; PST: 7:30 am; Beijing time: 10:30 pm

Multi-omics Approach to Childhood Asthma

Asthma is the most common chronic respiratory disease in children. Despite the success of genome-wide association studies, reported asthma-susceptibility loci can explain only ~3.5% of asthma heritability, supporting a strong contribution of environmental exposures to asthma causation. In this talk, Dr. Chen will describe recent advances of large-scale omics studies of asthma and relevant phenotypes including whole-genome transcriptomic and epigenetic studies. He will discuss how bioinformatic and statistical tools can help provide insight of asthma biology and prioritize candidate genes for downstream functional experiments.

Dr. Chen received BS in Mathematics from Nanjing University and PhD in Biostatistics from the University of Michigan. Dr. Chen's research focuses on developing statistical and computational methods for analyzing high-throughput genomics data. He has served as PI on multiple NIH grants and published over 100 peer-reviewed papers in *Nat Genet*, *Nat Comm*, *Nat Mach Intell*, *Lancet Respir Med*, *PNAS*, *AJRCCM*, *JACI*, and *ERJ*.



Dr. Wei Chen

Associate Professor
University of Pittsburgh