

Update on Sarcoidosis

Lisa Maier, MD MSPH, Maierl@njhealth.org

Professor and Chief, Division of Environmental and Occupational Health Sciences

National Jewish Health, University of Colorado

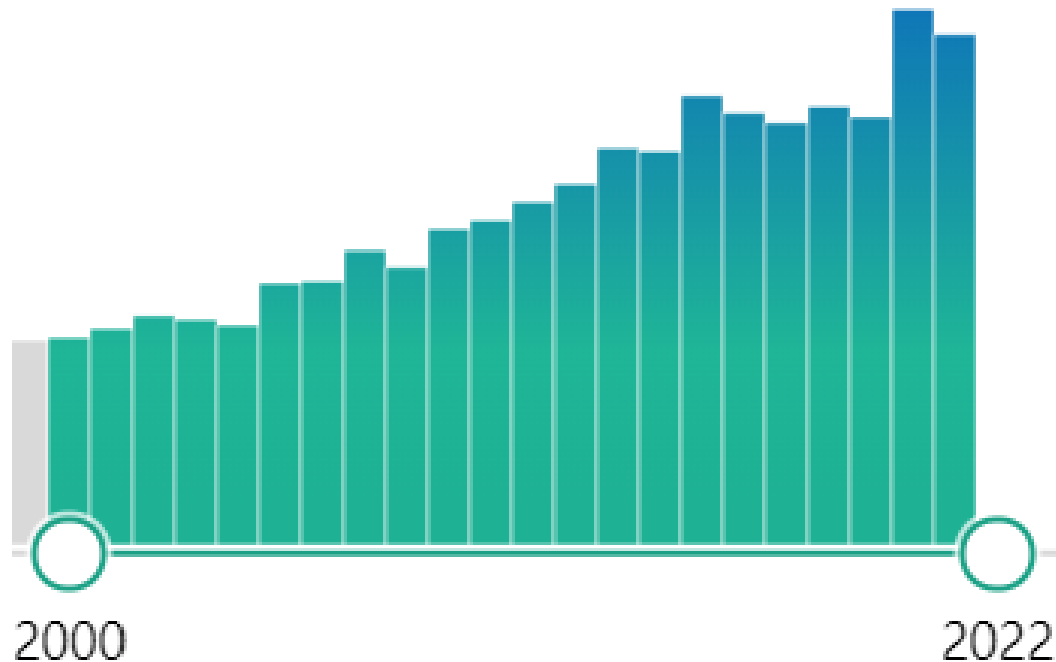


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Sarcoidosis: Starting to See the Limelight



- Publications in PubMed from 2000-2021

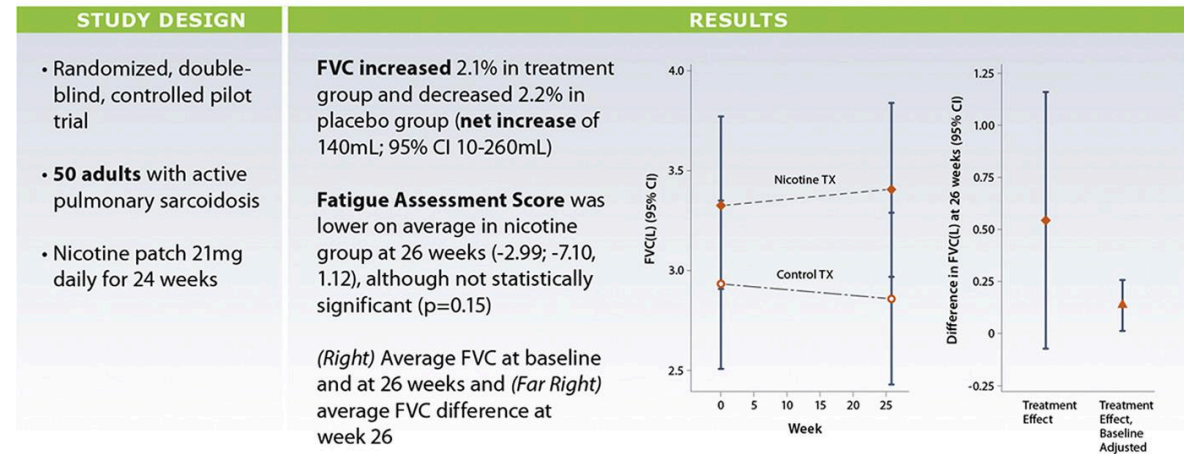


- Slowly increasing interest in disease
 - Industry/Pharma
 - Professional societies
 - Diversity of research topics
 - More investigators- globally
- Still have a number of questions to answer about disease
 - Cause
 - Manifestations and Course
 - Markers of Disease/Prognosis
 - Treatment

Clinical Trials

- aTYR : First trial to start trial in sarcoidosis
 - Dose finding, Safety
 - Improved lung function
 - Also reduced steroid dose
 - Improved symptoms: cough, shortness of breath, fatigue
- Many others interested or starting trials
- Not just pulmonary but also cardiac disease

Is Nicotine Treatment Well Tolerated and Will It Improve Lung Function in Patients With Active Pulmonary Sarcoidosis?

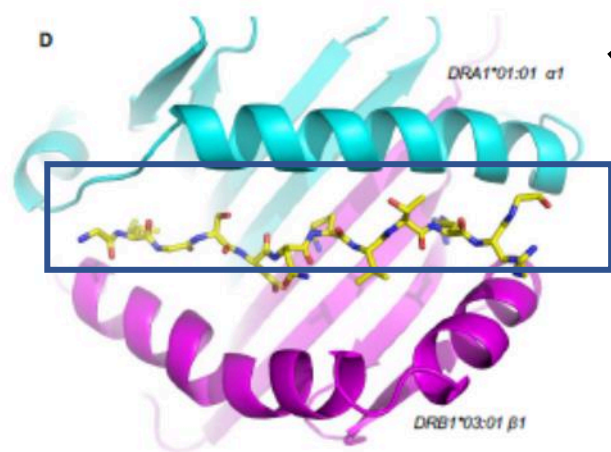
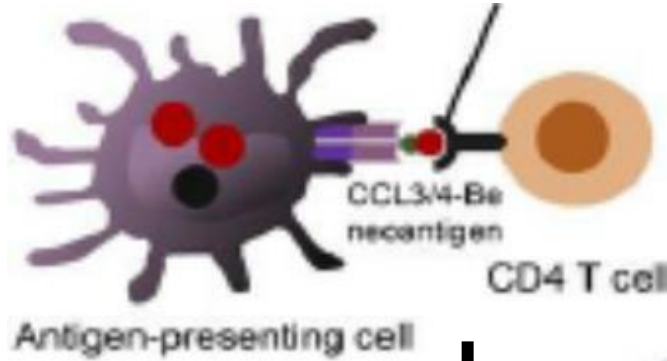


Nicotine treatment is well tolerated in patients with active pulmonary sarcoidosis and preliminary findings in this pilot study suggest it may reduce disease progression based on FVC.

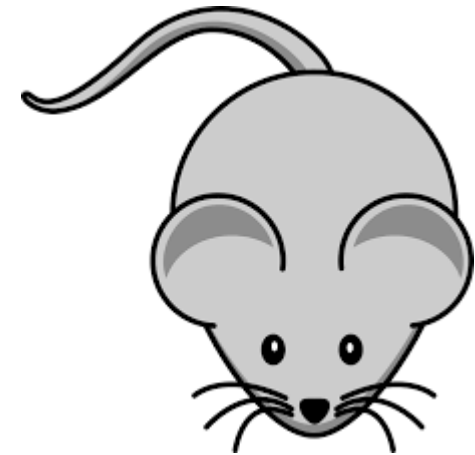
- Increasing investigator initiated trials
- Many pulmonary
- Even Cardiac

Starting to find causes of disease: Aspergillus

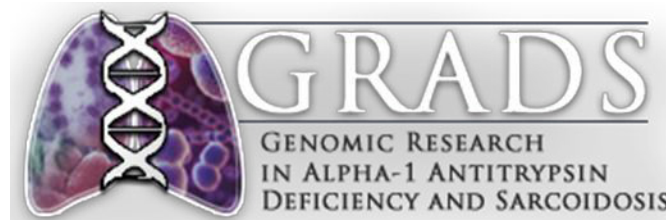
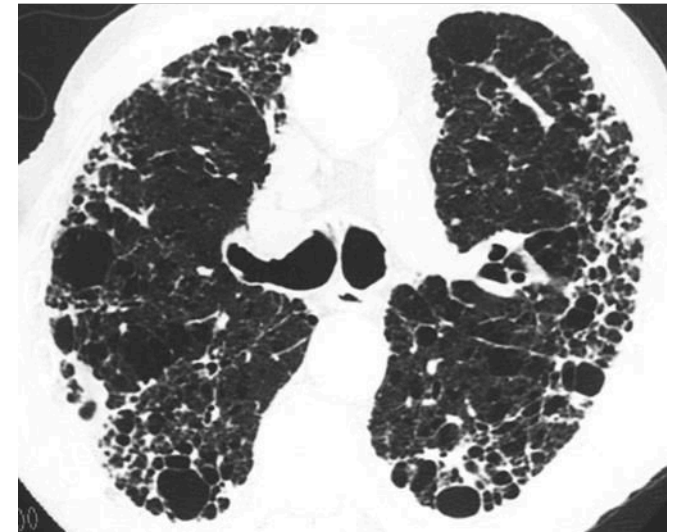
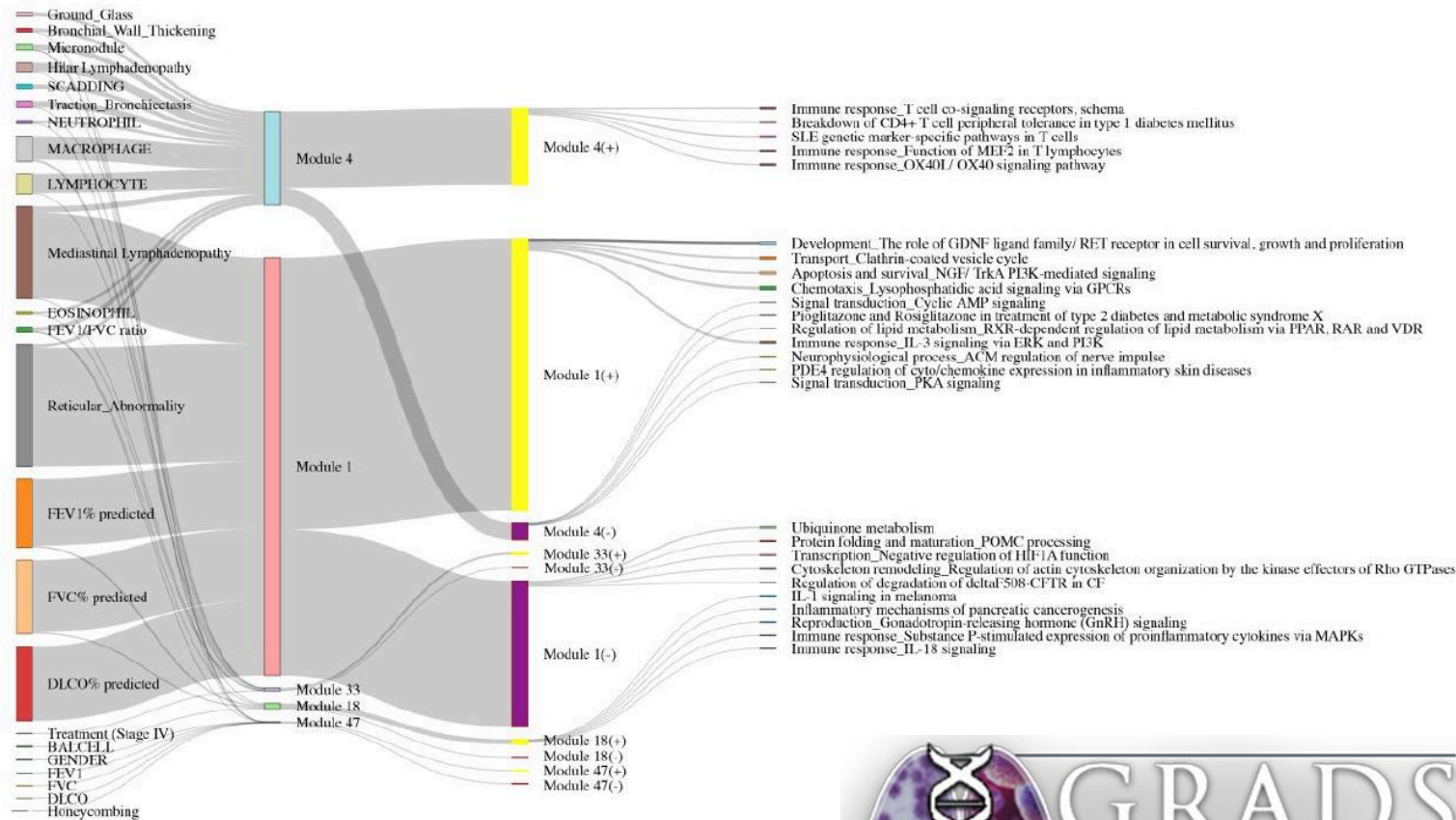
Define this protein



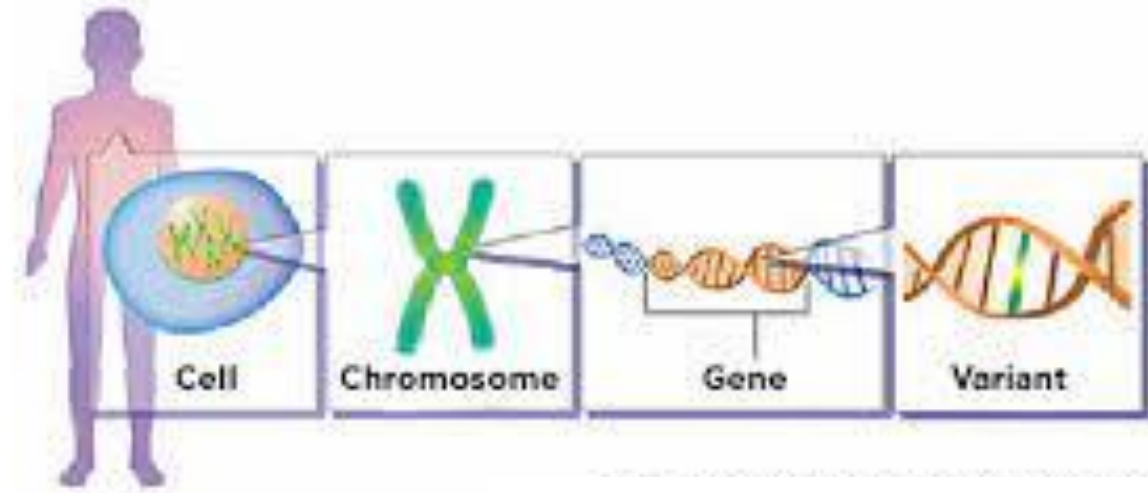
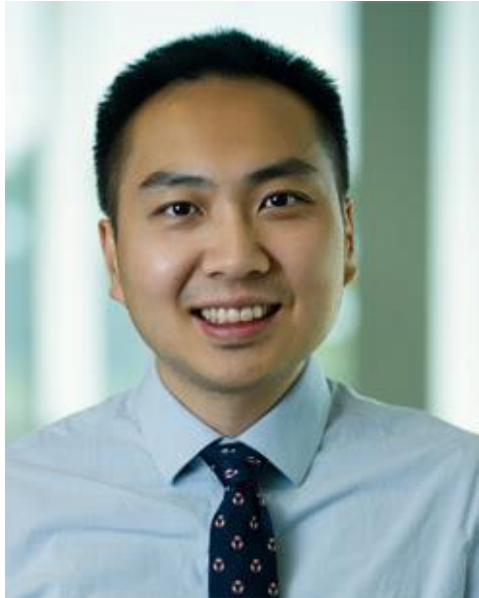
Greaves et al
JEM 2021



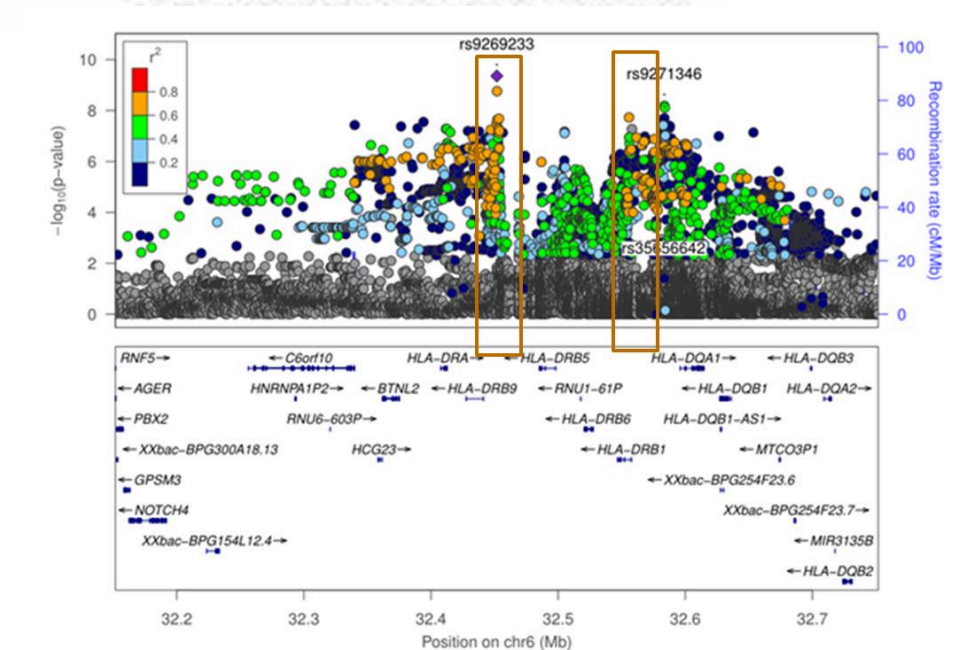
Markers of Phenotypes: Lung Gene Expression Associate with Disease Markers/Course



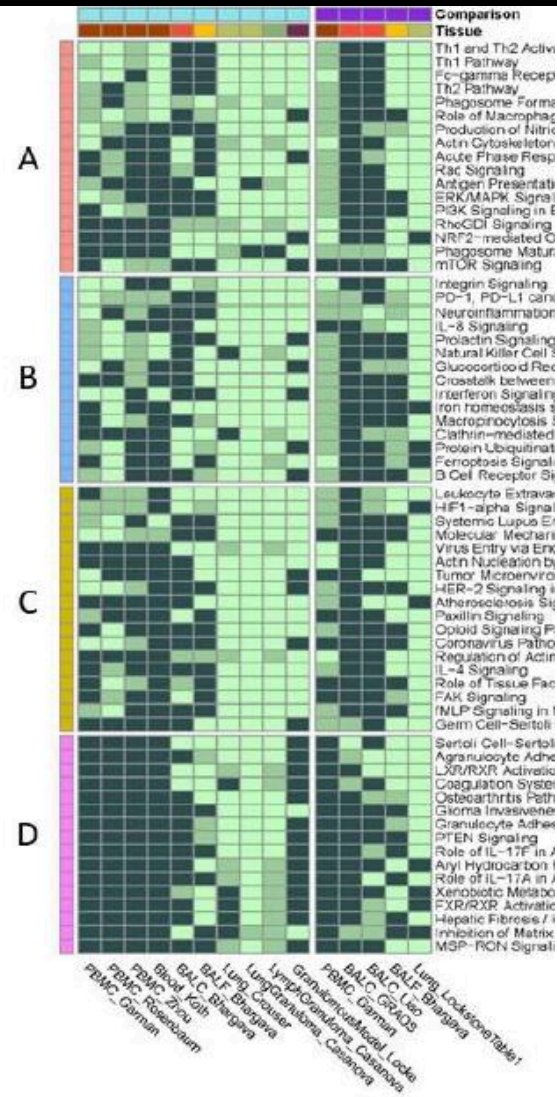
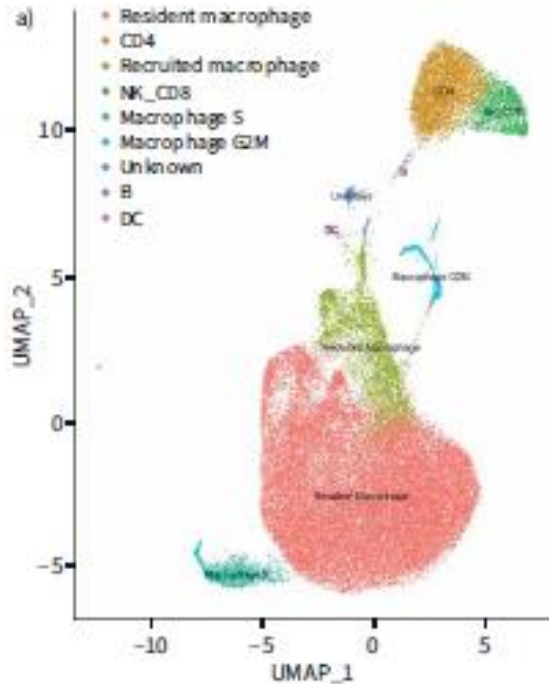
Genes Impact Gene/mRna Expression & Sarcoidosis Risk



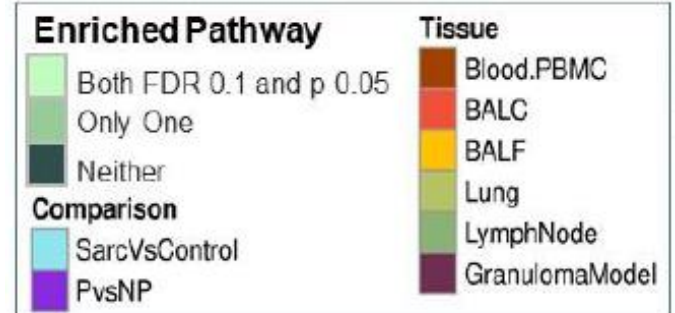
- Shu-Yi Liao, MD ScD
- Evaluating genetic risk in sarcoidosis
- Comparing results EA and AA



Biomarker Development: mRNA Expression In Specific Cells and Disease Severity



Legend



Liao Bhargava ERJOR



grateful



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- The exciting opportunities that are on the horizon- the future is looking bright
- Sarcoidosis patients at NJH and across the US
- Colleagues and Collaborators
- Learners/Trainees/All who share passion for sarcoidosis
- Funding agencies
- FSR!!!
- My family

