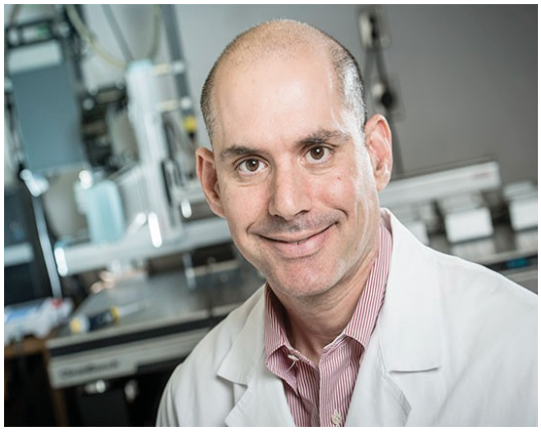
Respiratory Structure and Function Assembly of ATS Presents:

# Ask the Inventor

*A Podcast Series*

## On μ-Optical Coherence Tomography, Cross- Country Collaboration, and Physician-Scientist Careers



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*Tune in to this podcast to hear about the impact of micro-OCT (interferometric imaging modality, the optics analogue of ultrasound, with 1-micron resolution, that can resolve subcellular structures) on our understanding of functional micro-anatomy of airway epithelium and mucociliary transport, leadership and mentoring strategies that are key for successful cross-country collaboration, and to hear about the Co-Inventors' careers as physician-scientists.*

Hosted by:
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Loved the podcast and want to learn more? Check out these featured μ-OCT publications:


- **Birket SE, Chu KK, Liu L, Houser GH, Diephuis BJ, Wilsterman EJ, Dierksen G, Mazur M, Shastry S, Li Y, Watson JD, Smith AT, Schuster BS, Hanes J, Grizzle WE, Sorscher EJ, Tearney GJ, Rowe SM**. A Functional Anatomic Defect of the Cystic Fibrosis Airway. *American Journal of Respiratory and Critical Care Medicine*190: 421–432, 2014. PMID: 25029666
- **Liu L, Chu KK, Houser GH, Diephuis BJ, Li Y, Wilsterman EJ, Shastry S, Dierksen G, Birket SE, Mazur M, Byan-Parker S, Grizzle WE, Sorscher EJ, Rowe SM, Tearney GJ**. Method for Quantitative Study of Airway Functional Microanatomy Using Micro-Optical Coherence Tomography. *PLoS ONE*8, 2013. PMID: 23372732
- **Peabody JE, Shei R-J, Bermingham BM, Phillips SE, Turner B, Rowe SM, Solomon GM**. Seeing cilia: imaging modalities for ciliary motion and clinical connections. *American Journal of Physiology-Lung Cellular and Molecular Physiology*314, 2018. PMID: 29493257
- **Solomon GM, Francis R, Chu KK, Birket SE, Gabriel G, Trombley JE, Lemke KL, Klena N, Turner B, Tearney GJ, Lo CW, Rowe SM**. Assessment of ciliary phenotype in primary ciliary dyskinesia by micro-optical coherence tomography. *JCI Insight* 2, 2017. PMID: 28289722