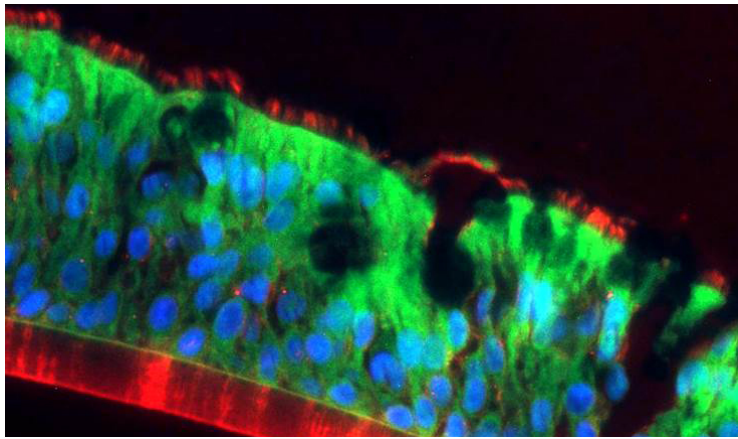


Sigma Xi presents Suds n' Science

**“Primary Human Airways, Differentiated in Culture:
A Model System for Virus Infection and More”**



Dr. Mark Peeples

Principal Investigator, Center for Vaccines and Immunity

Research Institute at Nationwide Children’s Hospital, and Professor OSUCOM

Dr. Peeples is a past president of both the Ohio State Chapter of Sigma Xi and of the national organization, and a Fellow of the American Association for the Advancement of Science. The Peeples’ Lab studies RSV, a virus that sends 2% of all infants to the hospital gasping for air. The lab isolates progenitor cells from human donor airway epithelium and differentiates them in vitro at an ‘Air-Liquid Interface’. Some cells display beating cilia, others crank out the mucus. They discovered that RSV only infects the ciliated cells, and recently identified the RSV receptor on the cilia. Maybe that’s why the ciliated cells are targeted! Come learn more about this fascinating research (and see live, beating cilia!), and then join Sigma Xi researchers from a variety of disciplines at the Crest Gastropub for further discussion.

All are welcome to attend.

Thursday, October 12th, 2017 4:00-5:00PM

The Research Institute at Nationwide Children’s Hospital

WA4103, 4th floor of Research Building 2 (east side of Parsons Ave)

Parking: Lot W19, adjacent to Research Building 3 (west side of Parsons Ave)

Please RSVP to Kelly Crowe (kelly.crowe@nationwidechildrens.org) by October 6th