

**RESPIRATORY PATHOGENS RESEARCH CENTER SYMPOSIUM**

**Tuesday, May 15th, 2018. 7:45 a.m. – 6:00 p.m.**

**Saunders Research Building and Helen Wood Hall Auditorium**

**7:45 - 8:45 a.m.**

**REGISTRATION, Poster set-up, Continental Breakfast**

**8:45 - 9:00 a.m.,**

**David Topham and Ann Falsey - WELCOME AND INTRODUCTION**

**9:00 - 9:40 a.m.**

**OCTAVIO RAMILO**, Nationwide Children's Hospital  
*The Infant Immune System in Infection and Vaccination*

**9:40 - 9:55 a.m.**

**SHORT TALK: Janelle Veazey**, University of Rochester  
*Inhibiting Protein Kinase D3 Protects Against Viral Respiratory Infection by Altering Epithelial Antiviral and Pro-Inflammatory Responses*

**9:55 - 10:35 a.m.**

**THOMAS MARIANI**, University of Rochester  
*Insufficiency in airway interferon activation defines clinical severity to infant RSV infection*

**10:35 - 10:50 a.m.**

**SHORT TALK: Thomas Thatcher**, University of Rochester  
*Cigarette Smoke Increases Severity of Influenza A Viral Infection and Impairs Epithelial Antiviral Responses in a Mouse Model*

**10:50 - 11:20 a.m.      Coffee Break**

**11:20 - 12:00 p.m.**

**HONGZHE LEE**, University of Pennsylvania  
*Quantifying and Comparing Bacterial Growth Dynamics in Multiple Metagenomic Samples*

**12:00 – 12:15 p.m.**

**SHORT TALK: Soumyaroop Bhattacharya**, University of Rochester  
*Identification and Replication of Transcriptomic Biomarkers of Bacterial  
Involvement in Lower Respiratory Tract Infections*

**12:15 – 12:55 p.m.**

**MELINDA PETTIGREW**, Yale School of Public Health  
*Haemophilus influenzae and chronic obstructive pulmonary disease (COPD):  
Is persistence just a phase?*

**12:55 – 2:30 pm**

**LUNCH & POSTER VIEWING**

**2:30 – 3:10 p.m.**

**TINA HARTERT**, Vanderbilt University  
*Asthma: The tale of an infectious etiology of a chronic disease*

**3:10 – 3:25 p.m.**

**SHORT TALK: Xing Qiu**, University of Rochester  
*Development of Nasal Gene Expression-Based Predictors for Respiratory  
Disease Severity for Infant RSV Infection*

**3:25 – 4:05p.m.**

**STEVE VARGA**, University of Iowa  
*Inflammasome Activation is Influenced by RSV Strain Differences*

**4:05 – 4:20 p.m.**

**SHORT TALK: Andrew Dylag**, University of Rochester  
*Neonatal Hyperoxia Enhances Respiratory Syncytial Virus-Mediated Changes  
in Pulmonary Function and Alveolar Development in Mice*

**4:20 – 5:00 p.m.**

**KRISTIN SCHEIBLE**, University of Rochester  
*Mapping pre- and post-natal T cell development and its impact on respiratory  
outcomes in premature and full term infants*

**5:00 – 6:00 p.m.**

**WINE AND CHEESE RECEPTION & POSTER VIEWING**