

# Stem Cells + Immune System **CROSSROADS** of Regeneration

All times  
U.S. Eastern Daylight Saving Time (DST)

**11:00-11:10** **Welcome**  
*Jon Epstein, MD, Executive Vice Dean and Chief Scientific Officer, Perelman School of Medicine*  
*E. John Wherry, PhD, Director, Institute for Immunology*

## **Session 1** *Chair: Andy Vaughan, PhD*

**11:10- 11:40** **Shruti Naik, PhD (NYU Langone)**  
*Eavesdropping on the conversation between immune cells and epithelia during tissue repair*

**11:40-12:00** **Andrew Vaughan, PhD (University of Pennsylvania)**  
*Tuft cells and lung remodeling after viral pneumonia*

**12:00-12:25** **Sina Bartfeld, PhD (University of Würzburg)**  
*Infection, innate immune signaling and cancer in the gut - organoids as model*

**12:25-12:50** **Joo-Hyeon Lee, PhD (University of Cambridge)**  
*Inflammation shapes lung regeneration*

**12:50- 1:00** **Lightning talks from trainees**

**1:00 - 2:00** **Lunch Break**

## **Session 2** *Chair: Jorge Henao-Mejia, MD, PhD*

**2:00-2:20** **Allie Greenplate, PhD (University of Pennsylvania)**  
*Immune Health: tracking coordinated systems to direct patient care*

**2:20-2:40** **Kara Spiller, PhD (Drexel University)**  
*Immunomodulatory biomaterials in regenerative medicine*

**2:40-3:05** **Anne Brunet, PhD (Stanford University)**  
*Mechanisms of stem cell aging*

**3:05-3:15** **Break**

## **Session 3** *Chair: Kate Hamilton, PhD*

**3:15-3:35** **Rumela Chakrabarti, PhD (University of Pennsylvania)**  
*Nurturing role of macrophages in mammary gland development*

**3:35-4:00** **Peter Currie, PhD (Monash University)**  
*The role of a transient macrophage stem cell niche during skeletal muscle repair*

**4:00** **Closing Remarks**  
*Chris Lengner, PhD, IRM Associate Director*