

PROGRAM IN MICROBIAL PATHOGENESIS

MINI-SYMPOSIUM: Imaging Infectious Diseases

April 12th, 2013

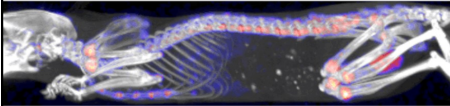
12:00—5:00 PM

**STUDENT LIFE
CENTER**

**Board of Trust Room
Vanderbilt University**

RSVP by April 8:

615-322-2264 or
micropath@vanderbilt.edu



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**Program in
Microbial Pathogenesis
Department of Pathology,
Microbiology & Immunology
And
Vanderbilt University
Institute of Imaging Science**

VANDERBILT UNIVERSITY
MEDICAL CENTER

- 12:00-12:05:** **Welcome:** Eric Skaar, Ph.D., Department of Pathology, Microbiology & Immunology
- 12:05-12:35:** **Melanie Ohi, Ph.D. Cell & Developmental Biology**
"Visualizing toxins using electron microscopy"
- 12:35-1:05:** **Charles Manning, Ph.D., Department of Radiology & Radiological Sciences**
"PET imaging biomarkers of infectious disease"
- 1:05-1:20:** **James Cassat, M.D, Ph.D. Department of Pediatrics**
"Imaging pathologic bone remodeling during *Staphylococcus aureus* osteomyelitis"
- 1:20-1:35:** **Jennifer Gaddy, Ph.D., Department of Medicine**
"High-resolution electron microscopy analysis of the *Helicobacter pylori* Cag Type IV Secretion System"
- 1:35-1:50:** **Jennifer Noto, Ph.D., Department of Medicine**
"Iron deficiency amplifies the pathogenic potential of carcinogenic *Helicobacter pylori*"
- 1:50-2:05:** **Break and Refreshments**
- 2:05-2:55:** **KEYNOTE: Clifton E. Barry, Ph.D., NIAID, NIH**
"*In vivo* imaging of tuberculosis; the dynamics of a chronic disease"
- 2:55-3:25:** **Matthew Tyska, Ph.D., Department of Cell and Developmental Biology**
"Multi-mode imaging of brush border destruction by an enteric pathogen "
- 3:25-3:55:** **Larry Marnett, Ph.D., Department of Biochemistry**
"Cyclooxygenase-2 as a target for imaging Inflammation"
- 3:55-4:20:** **Eric Skaar, Ph.D., Department of Pathology, Microbiology & Immunology**
"Imaging the battle for metal between host and pathogen"
- 4:20-4:40:** **Core Presentation #1: Daniel Colvin, Ph.D., Vanderbilt University Institute of Imaging Science**
"Preclinical imaging of infectious disease at VUIIS"
- 4:40-5:00:** **Core Presentation #2: Sam Wells, Ph.D. Cell Imaging Shared Resource**
"The Cell Imaging Shared Resource: Micro-Imaging tools for infectious disease research"