# Infectious Disease Across Scales Symposium 2019

**September 19, 2019, 1:30 – 5:30 PM, Whitehead Auditorium G01**

## Agenda

<table>
<thead>
<tr>
<th>Time</th>
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| 1:30 – 1:40 PM | **Welcome**  
Jacobus de Roode, PhD  
Director, Infectious Disease Across Scales Training Program  
Co-Director, MP3 Initiative  
Professor, Biology Department  
Emory University |
| 1:40 – 2:15 PM | **Immune trade-offs shape disease outcomes at individual and population scales.**  
Vanessa Ezenwa, PhD  
Professor, Odum School of Ecology & Dept. of Infectious Diseases, College of Veterinary Medicine  
University of Georgia |
| 2:15 – 2:50 PM | **Rubella dynamics and control: across scales and generations.**  
C. Jessica Metcalf, PhD  
Assistant Professor of Ecology, Evolutionary Biology & Public Affairs  
Princeton University |
| 2:50 – 3:10 PM | **Energetics, ecology, and epidemiology of schistosome dynamics and control.**  
David Civitello, PhD  
Assistant Professor, Department of Biology  
Emory University |
| 3:20 – 3:40 PM | **Break** |
| 3:40 – 4:00 PM | **Cellular immunity in individuals with Mycobacterium tuberculosis and HIV infection**  
Cheryl Day, PhD  
Associate Professor,  
Department of Microbiology & Immunology,  
Emory Vaccine Center,  
Emory University School of Medicine |
| 4:00 – 4:20 PM | **Zoonotic surveillance for plague via point processes in geographic and principal components space.**  
Lance Waller, PhD  
Professor,  
Department of Biostatistics and Bioinformatics, Rollins School of Public Health,  
Emory University |
| 4:20 – 4:30 PM | **From individuals to communities: investigating body size as a driver of schistosome dynamics.**  
Kelsey Shaw, DVM.  
PBEE PhD Candidate in the Civitello lab  
Biology Department, Emory University |
| 4:30 – 5:30 PM | **Closing remarks & MP3 LOI announcement**  
Guido Silvestri, MD  
Co-Director, MP3 Initiative  
Professor & Intern Chair,  
Department of Pathology and Laboratory Medicine, Emory University School of Medicine  
Chief, Division of Microbiology & Immunology, Yerkes National Primate Research Center |

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## Reception and networking

**Sponsored by**

- Provost Dwight McBride  
- Dean of Emory College of Arts and Sciences Michael Elliott  
- Dean of Emory School of Medicine Vikas Sukhatme  
- Executive Vice President for Health Affairs Jonathan Lewin  
- Senior Vice President for Research Deborah W. Bruner  
- Laney Graduate School  
- Department of Biology  
- National Institute of Allergy and Infectious Diseases