
*The Transplant Infectious Diseases Interdisciplinary Research Training Program presents the:*

# 5TH ANNUAL
# DUKE UNIVERSITY
## *TRANSPLANT INFECTIOUS DISEASES SYMPOSIUM*

### *GENE EXPRESSION PROFILING FOR DIAGNOSING AND MANAGING INFECTION AND REJECTION IN THE IMMUNOCOMPROMISED HOST*

**Wednesday, May 08, 2019**
**1:00 PM – 4:45 PM**
**Great Hall, Trent Semans Center**
**Durham, NC 27710**

**Funding support:**
**NIH NIAID T32 - AI100851**

# *Gene Expression Profiling for Diagnosing and Managing Infection and Rejection in the Immunocompromised Host*

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| **1:00-1:30pm** | **Host gene expression to discriminate bacterial and viral respiratory infections in the non-immunocompromised population**<br>*Micah McClain, MD, PhD, Duke University* |
| **1:30-2:00pm** | **Host gene expression profiling as a fungal diagnostic in the immunocompromised population**<br>*Julie Steinbrink, MD, Duke University* |
| **2:00 -2:30pm** | **Gene expression signatures as diagnostic tools: How close are we to validation for the clinical laboratory?**<br>*Christopher Woods, MD, MPH Duke University* |
| **2:30-2:45pm** | **Break and Meet the Professors** |
| **2:45- 3:15pm** | **Sequencing to detect Differentially Expressed Gene Transcripts in Solid Organ Transplant Recipients: Molecular Signatures Involved in Alloimmune Responses**<br>*Xunrong Lu, MD, PhD, Duke University* |
| **3:15 -3:45pm** | **Employing Cell Gene Expression Analysis to Understand EBV Latency and Post-Transplant Lymphoproliferative Disorder**<br>*Micah Luftig, PhD, Duke University* |
| **3:45- 4:15pm** | **Genomic Medicine to Guide Clinical Care: Opportunities for Use and Barriers to Implementation**<br>*Geoff Ginsburg, MD, PhD Duke University* |

## *Special Lecture:*

**4:15 – 4:45pm**

# Demystifying the NIH Grant Process


## Dona C. Love, PhD

Mycology Program Officer
Bacteriology and Mycology Branch
National Institute of Allergy and Infectious Diseases
National Institutes of Health

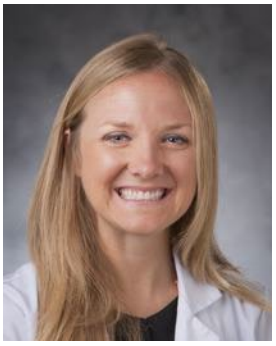
# Transplant ID
# Training Program Leadership

## Registration

Registration is free

Contact Kelly Stanly
(919) 668-0789 or
k.smith@duke.edu

**Barbara D. Alexander, MD, MHS**
Professor of Medicine and Pathology
Director, Transplant Infectious Diseases (ID)
Director, Transplant ID Training Program
Duke University



**Eileen K. Maziarz, MD**
Assistant Professor of Medicine
Associate Director, Transplant ID Training Program
Duke University

**Maria Ciofani, PhD**
Assistant Professor of Immunology
Associate Research Director, Transplant ID Training Program
Duke University

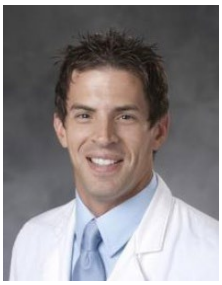
## Internal Advisory Committee

**J. Andrew Alspaugh, MD,** Professor of Medicine and Molecular Genetics & Microbiology, Duke University
**John R. Perfect, MD,** Professor of Medicine and Molecular Genetics & Microbiology, Duke University
**L. Barth Reller, MD, DTM&H,** Professor of Pathology and Medicine, Duke University
**Keith M. Sullivan, MD,** Professor of Medicine, Duke University
**Kent J. Weinhold, PhD,** Professor of Surgery, Duke University

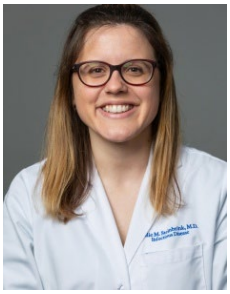
## External Advisory Committee

**Michael Boeckh, MD**, Professor of Medicine, University of Washington, Seattle WA
**Jay A. Fishman, MD,** Professor of Medicine, Harvard Medical School, Boston, MA
**Robin Patel, MD,** Professor of Medicine & Microbiology, Mayo Clinic College of Medicine, Rochester, MN
**John R. Wingard, MD,** Professor of Medicine & Pediatrics, University of Florida, Gainesville, FL
**Liise-anne Pirofski, MD,** Professor of Biomedical Research, Medicine, Microbiology and Immunology, Albert Einstein College of Medicine, New York, NY

# Invited Faculty

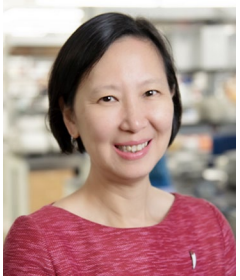


**Micah McClain, MD, PhD**
Associate Professor of Medicine
Duke University



**Julie Steinbrink, MD**
Fellow, Transplant Infectious Diseases
Interdisciplinary Research Training Grant
Duke University

**Christopher Woods, MD, MPH**
Professor of Medicine & Pathology
Duke University
Chief, Infectious Diseases
Durham Veterans Hospital



**Xunrong Lu, MD, PhD**
Director of Translational Research, Duke Transplant Center
Duke University

**Micah Luftig, PhD**
Associate Professor and Co-Vice Chair Molecular
Genetics and Microbiology
Director, Center for Virology
Duke University

**Geoffrey Ginsburg, MD, PhD**
Director of Duke Center for Applied Genomics and Precision Medicine
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Duke Transplant Center