

# **“The Nature of Nurture: How Environmental Factors Shape the Epigenome and Evolution”**

## **Genetics Training Program / CMB Short Course Winter 2025**

**Lydia Freddolino, Ph.D.**

Associate Professor  
Departments of Biological Chemistry and  
Computational Medicine and Bioinformatics  
University of Michigan Medical School

***Introductory Lecture:***

**“Thinking Without Brains:  
How Bacteria Predict the Future and Remember the Past”**

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**February 18<sup>th</sup> (Tues)**

**3:00 PM**

**Med Sci 2 –  
West Lecture Hall**

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**Patrick Bradley, Ph.D.**

Assistant Professor  
Department of Microbiology  
The Ohio State University

**“Harnessing Metagenomics, Phylogenetics, and Physiology  
to Link Gut Microbial Genotypes to Phenotypes”**

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**February 25<sup>th</sup> (Tues)**

**3:00 PM**

**Med Sci 2 –  
West Lecture Hall**

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**Genevieve Wojcik, Ph.D.**

Associate Professor  
Department of Epidemiology  
Johns Hopkins Bloomberg School of Public Health

**“Global Representation, Local Context: An Epidemiological  
Perspective on Ancestry and Genetic Risk”**

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**March 11<sup>th</sup> (Tues)**

**3:00 PM**

**Med Sci 2 –  
West Lecture Hall**

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**Amy S.Y. Lee, Ph.D.**

Assistant Professor  
Department of Cell Biology, Harvard Medical School  
Center of Immunology & Virology, Dana-Farber Cancer Institute

**“Evolution of Biological Novelty  
Through Specialization of mRNA Translation”**

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**April 1<sup>st</sup> (Tues)**

**3:00 PM**

**Med Sci 2 –  
West Lecture Hall**

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**Meaghan Jones, Ph.D.**

Assistant Professor  
Max Rady College of Medicine  
University of Manitoba

**“Long Term Regulation of DNA Methylation and Chromatin  
Accessibility by Early Life Exposure to Inhaled Pollution”**

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**April 8<sup>th</sup> (Tues)**

**3:00 PM**

**Med Sci 2 –  
West Lecture Hall**

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***Public Lectures***

*For additional information, contact Ashley Andrae (smash@umich.edu).*