

# BIOLOGY IAP SEMINARS 2024

## Integrative Structural Biology

### **MICOS in focus: exploring mitochondrial dysfunction and aging through 3D reconstruction**

**Dr. Antentor O. Hinton, Jr, PhD**

Assistant Professor, Department of Molecular  
Physiology and Biophysics, Vanderbilt University

Monday, January 8<sup>th</sup>, 4–5:30pm

Luria Auditorium, 76-156

### **Tackling supramolecular complexes in innate immunity with cryo-EM and other approaches**

**Hao Wu, PhD**

Asa & Patricia Springer Professor of Structural Biology,  
Harvard Medical School

Tuesday, January 9<sup>th</sup>, 4–5:30pm, 68-181

### **Using cryo-EM to build atomic models of ciliary axonemes**

**Alan Brown, PhD**

Associate Professor of Biological Chemistry and  
Molecular Pharmacology, Harvard Medical School

Tuesday, January 16<sup>th</sup>, 4–5:30pm, 68-181

### **Integrated structural parasitology of malaria parasites**

**Mimi Ho, PhD**

Assistant Professor in the Department of Microbiology  
& Immunology, Columbia University

Tuesday, January 23<sup>rd</sup>, 4–5:30pm

Luria Auditorium, 76-156

### **Harnessing AI to drive mechanistic discovery: lessons from genome maintenance**

**Johannes Walter, PhD**

Professor of Biological Chemistry & Molecular  
Pharmacology, Harvard Medical School

Tuesday, January 30<sup>th</sup>, 4–5:30pm, 68-181

### **Combining structural techniques to study protein motions**

**Nozomi Ando, PhD**

Associate Professor of Chemistry and  
Chemical Biology, Cornell University

Friday, February 2<sup>nd</sup>, 4–5:30pm

68-181

Scientific image:  
Barrett Powell, Davis Lab

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For More Information:  
<https://biology.mit.edu/about/iap>