



MIT Biology is proud to present the IAP program,

Self-Assembling Biological Systems

Self-Assembly of macromolecules, notably proteins, is of central importance for any living cell. These self-organized systems come in an astonishing number of flavors and many we are just beginning to appreciate. Technically often challenging to study, this series highlights some of the most recent findings from a broad spectrum of these systems.

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Yeast Prions: Unexpected Biology and Surprising Structures

Susan Lindquist, Professor of Biology, HHMI Investigator, Whitehead Institute

Tuesday, January 19th, 11:00am–12:00pm, Broad Auditorium

The Structure of a Novel COPII Tubule

Scott Stagg, Assistant Professor, Department of Chemistry & Biochemistry, Florida State University

Monday, January 25th, 11:00am–12:00pm, Broad Auditorium

Hexagonal Assemblies of the HIV-1 Capsid and its Restriction Factor, TRIM5alpha

Wes Sundquist, Professor of Biochemistry, Department of Biochemistry, University of Utah

Tuesday, January 26th, 11:00am–12:00pm, Broad Auditorium

Follow Nature's Lead: Designer Self-assembling Peptides

Shuguang Zhang, Associate Director, Center for Biomedical Engineering, MIT

Thursday, January 28th, 11:00am–12:00pm, Whitehead Auditorium

From Nuclear Pores to Biofilms—a Study of Biological Filters

Katharina Ribbeck, Assistant Professor, Department of Biological Engineering, MIT

Friday, January 29th, 11:00am–12:00pm, Whitehead Auditorium