



Genome Sciences Seminar

Wednesday, 5.24.17 | 3:30 | Foege Auditorium



Dr. Brian Chait

Camille and Henry Dreyfus Professor

The Rockefeller University

<http://lab.rockefeller.edu/chait/>

“Integrative Methods for Elucidating the Structure & Function of Cellular Machines”

Chait Lab:

Knowledge of the makeup, structure, and dynamics of protein assemblies is key to understanding many cellular processes. A central focus of the Chait lab has been the development of novel tools, especially those based on quantitative mass spectrometry, for identifying and studying protein interactions, as well as arriving at a functional definition of cellular protein assemblies. Recently, the laboratory has developed potent tools to elucidate proximal, distal, and transient protein-protein interactions in cellular milieus, as well as tools for determining distance restraints between amino acid residues within large protein assemblies by chemical cross-linking and mass spectrometry. The long-term goal of this research is to develop a molecular microscope for defining cellular systems with scales spanning all the way from dimensions of the cell to atomic resolution of molecules.

Refreshments served outside the Auditorium at 3:20pm

Questions? Contact Brian Giebel at bgiebel@uw.edu or visit the Seminar website at <http://www.gs.washington.edu/news/seminars.htm>

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