



Summer Schools in Computational Immunology

11th Annual Summer School & Symposium for Immunologists



June 20 - 23, 2016

Yale University, New Haven, CT

Computational modeling provides a framework to integrate observational data collected from multiple modes of experimentation and provide insights into the immune response in health and disease. This multi-day summer school is **intended for immunologists**, and beginning computational graduate students, who desire an introduction to mathematical and computational modeling techniques and their applications to problems in immunology.

Computational modeling experience not required!

Followed by a 1-day research symposium on “**Influenza Immunology: Data, Systems and Models**”

Key Dates:

March 25, 2016	Application Due
June 20-23, 2016	Summer School
June 24, 2016	Symposium

Topics include

Deterministic modeling for cell population dynamics, viral dynamics and epidemics

PCA and Clustering

Large-scale data integration

Network analysis

**Optional Day (June 20):
Standards & Data Management**

Each topic includes lectures, computer-based tutorials and hands-on group projects

Scholarships

A limited number of travel and lodging scholarships are available. Application information available on the website:

<http://tsb.mssm.edu>

