

20.106/1.084 – SYSTEMS MICROBIOLOGY

Explore the human microbiome...

Vaccination

Antimicrobial drug resistance

Infectious diseases

Influenza, tuberculosis, ebola, plague

Microbial evolution

Toxicology

Through...

Lectures + paper discussions

Problem sets + in class exercises

Project + case studies

join us to delve into the most recent discoveries

in ***systems microbiology*** and the ***microbiome***

Focus on contemporary issues in the microbiology of animal and human health

Learn about the microbiome in health and disease

Cover current research and developments in engineering the microbiome

Microbiology from a systems perspective

Integrate data from molecular, cellular, organismal, and ecological contexts

Understand the interaction of microbial organisms with their environment and animal and human hosts

Instructors: E. Alm, J. Runstadler - T/Th 2:30-4 (16-220)

