

Jump

**Surveillance, biogeography
Models of viral evolution
Zoonosis prediction
Protein structure prediction
Scientifically-guided ML**

Adapt

**Organoid systems
Multi-organ systems
Virology
Drug repurposing/redesign**

Spread

**Inter-person transmission
Community transmission
Epidemiology**

Bioethics

Community engagement

Graduate education

Undergraduate education

Public health communication

K-12 outreach

Community