

AIHARA Project

Comprehensive Mathematical Understanding of the Complex Control System between Organs and Challenge for Ultra-Early Precision Medicine

Research Team:

 State University of New York at Buffalo

Mathematical modeling and data analysis for understanding and intervening into resilience, robustness, and cascading failures in inter-organ networks

Output

Standing on theory and algorithms of complex networks, the team develops theory, simulation methods, and data analysis methods to quantify resilience, robustness, cascading failure dynamics, and other dynamics from network-related observed data.

