

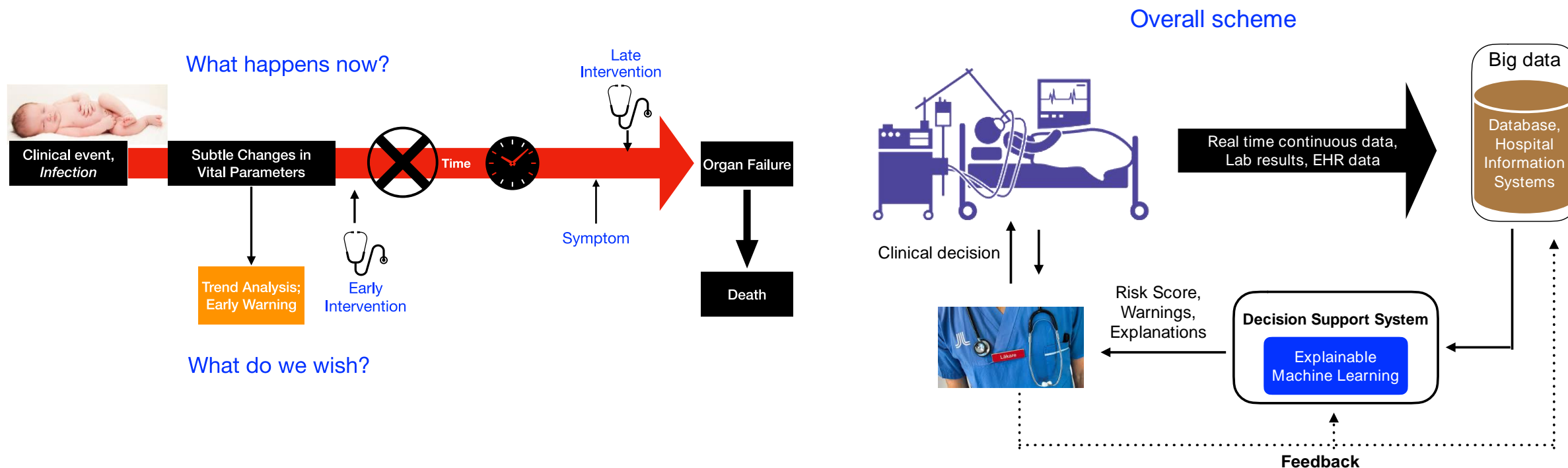


Saikat Chatterjee

Machine Learning, Data Science, Signal, Image Processing

EMERDENSITY - Explainable Machine Learning for Development of Early Warning Systems

- **Vision:** Digitilization of Decision Support System in Critical Health Care
- **Why?** Saving Lives in Hospitals By Early Detection of Adverse Events using AI
- **What?** Explainable AI / Machine Learning for Trust-worthy Early Warning Systems
- **How?** Continuous monitoring of physiological data and other individual patient data



DANSE - Data-driven Nonlinear State Estimation of Model-free Process

Kalman Filter –
Needs a state space
model

Ours – No model

