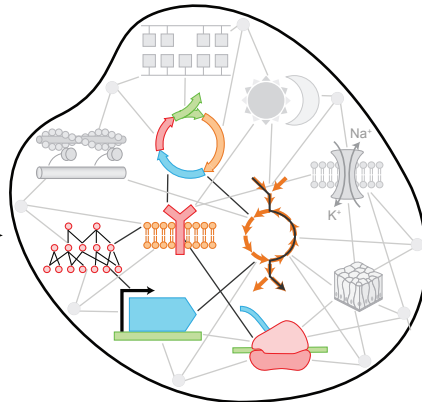


Phase I

Goals
Demonstrate the feasibility of WC models of human cells by developing a model of several key pathways of an archetypal cell

Tasks
Develop scalable methods and tools
data aggregation • model design • model representation • scalable simulation • calibration validation • simulation analysis and visualization

People
A few modeling and experimental labs

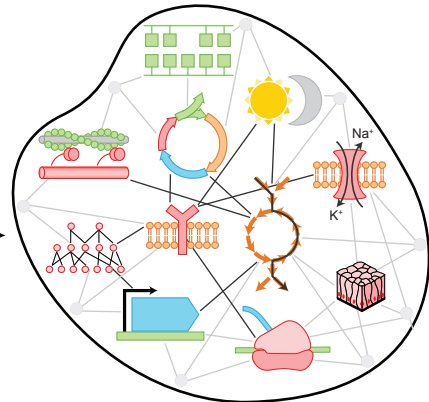


Phase II

Goals
Demonstrate the feasibility of collaborative modeling by developing a model of every major cellular pathway

Tasks
Develop collaborative tools and standards
collaborative modeling platform • standard model format • merging and validation protocols

People
Modest consortium of modelers, experimentalists, methods developers, software engineers, and funding agencies



Phase III

Goals
Develop a comprehensive model of a key cell line

People
Community-wide effort involving scientists, engineers, physicians, and funding agencies