

3DVC_Orange2_BiologicallyRelevant

Scribe: Jian Wang

Topic II: building good, specific model that is biological relevant

-Concept of 3D virtual cell model is not clear

-what concretely does it look like?

-scope of these models, need better/more concrete definition description

-need specific biological question, otherwise too vague

-Is it a knowledge base of different parts/mechanism inside cell?

-Do we start from low-level simulation / molecular simulation and build upward more level toward whole cell models?

-Similarity and difference to cytoscape

-is it just to build a software tools/infrastructure (like cytoscape)

-or should we build resources/tools targeted specific biological questions?

-How to componentize or modularize different pieces that can be useful and applicable to different biological questions

-define what are the components/modules that share among different fields or subject areas

-define what functional modules / components are needed to build models for cell

-define what details/at what level this model needs to be