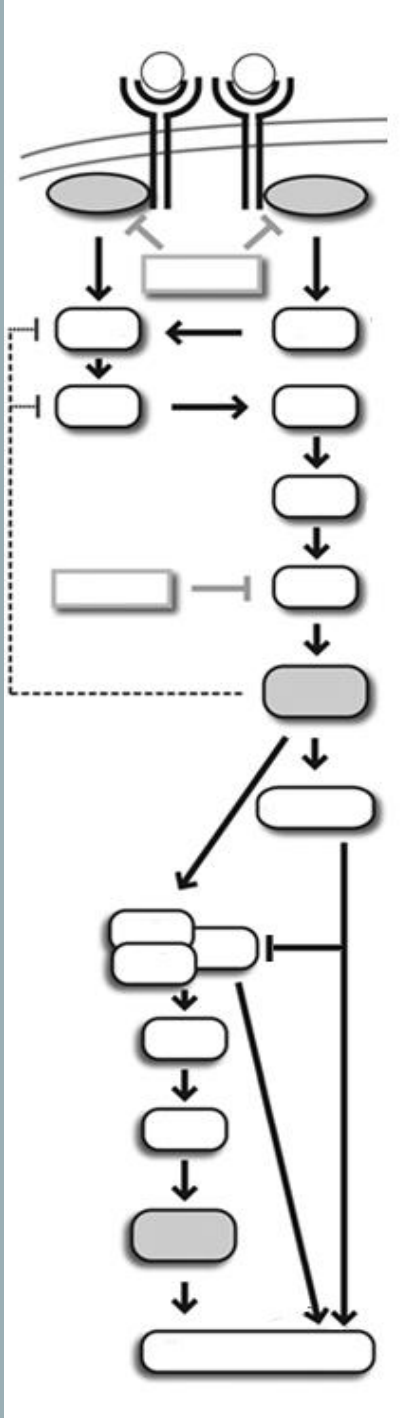


2020 Network Modeling Summer School and Hackathon

Want to model cellular and systems networks?

Learn how to use your data to build quantitative predictive models to test your hypotheses and interpret your data



Optional Python Introduction

Sun. July 26

Summer School

Mon. July 27 - Thurs. July 30

Model-Building Hackathon

Fri. July 31 - Sun. Aug 2

Topics:

- Gene Regulatory, Signaling, Reaction and Metabolic Networks
- Pharmacodynamic and Pharmacokinetic Models
- Transport and Flow Networks
- Cell Population Dynamics
- Parameterization
- Validation against data

Format:

- Summer School is ideal for beginners - no prior programming experience required
- Summer School attendance guarantees admission to the Model-building hackathon.
- The hackathon will group attendees by topic of interest. Experienced modelers will be embedded within each group
- Everyone will leave with a functioning core model that they can further customize
- Advanced modelers can apply to attend just the Hackathon**
- To apply or for more information visit: sys-bio.org/modeling-workshop-2020 or email: hsauro@uw.edu

Venue: Indiana University, Bloomington, Indiana, USA

Participants can also attend the Multicell Virtual Tissue Modeling Summer School and Hackathon, August 3 - 10, 2020 (compucell3d.org)

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