26th Annual CCB Workshop

February 24 - 28, 2025

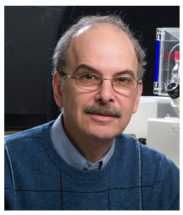
Please note this is the online format.

The 26th Annual Workshop on Computational Cell Biology will be sponsored by the Center for Cell Analysis and Modeling (CCAM) at the University Of Connecticut School Of Medicine on February 24 - 28, 2025. **The workshop is held during convenient times for multiple time zones, four hours each day, 11:00 AM - 3:00 PM EST**. This workshop is designed to enable cell biologists and biophysicists to develop models of their experimental systems. We will teach you how to use VCell (https://vcell.org), COPASI (https://copasi.org), and Spring SaLaD (https://vcell.org/ssalad) software to develop spatial and non-spatial modelus using deterministic, stochastic, agent-and rule-based approaches. Please check the websites for extensive tutorials and examples of models.

Keynote Speakers

Aniruddha Chattaraj,
Harvard University

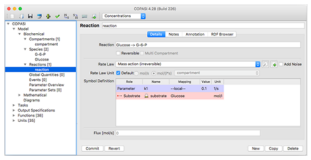
Margaret Johnson,
John Hopkins University

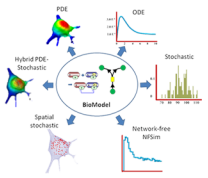


Leslie Loew,
Univ. of Connecticut
School of Medicine

Pedro Mendes,
Univ. of Connecticut
School of Medicine

The workshop is free. However, to be admitted please email the following information to Michael Blinov, blinov@uchc.edu by January 15: your name, institution, lab head (if you are a student), research field and responses to the following questions.





1. Which of the software systems will be of immediate value in your research:
   a. COPASI http://copasi.org/
   b. Virtual Cell https://vcell.org/
   c. SpringSaLaD https://vcell.org/ssalad

2. Are you:
   a. A novice at modeling who can benefit from general introductions to kinetic and reaction-diffusion systems?
   b. An experienced modeler interested in advanced topics?

3. Do you have a modeling project that you would like to work on with our help? If so, please send us a short (~1 page) description of your project explaining the research question you wish to address and how modeling can help. This will allow us to determine if the current implementations of the Virtual Cell, COPASI or SpringSaLaD are applicable to your project

4. VCell and COPASI support many advanced modeling techniques. Please list any such approaches you may be interested in learning more about.

UCONN HEALTH

A separate in-person workshop is being planned for summer, 2025, in Farmington, CT, more details to follow.

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