

# Multi-Scale Modeling of Biological Systems

## Modular Summer School + Hackathon

Monday - Thursday

Friday - Sunday

Network Modeling Summer School  
(July 27-31)

Network Modeling Hackathon  
(July 31- Aug 2)

Virtual Tissue Summer School  
(Aug 3-6)

Virtual Tissue Modeling Hackathon  
(Aug 7-9)

### Summer School:

Learn to model your biological system of interest from the ground up. With one-on-one help. Suitable for beginners & advanced users alike

### Team Hackathons:

Biologists, Computer Scientists, and Modelers team up to build research-grade models of biological systems. Post-hackathon support helps you take them back to the lab, customize to your data and publish!

**Modular format: attend the components you want.**  
**ALL experience levels welcome**



To apply or for more information:

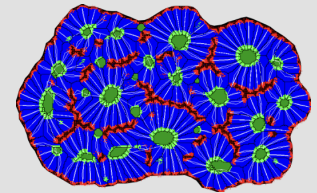
Email: [compucell3d.iu@gmail.com](mailto:compucell3d.iu@gmail.com)

Twitter: [@compucell3d](https://twitter.com/compucell3d)

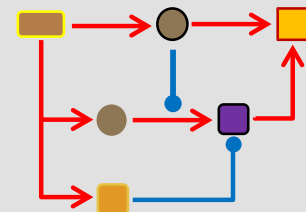
Website: [www.compucell3d.org](http://www.compucell3d.org)

Venue: Indiana University, Bloomington, Indiana, USA

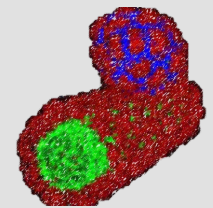
### Example Biological Systems



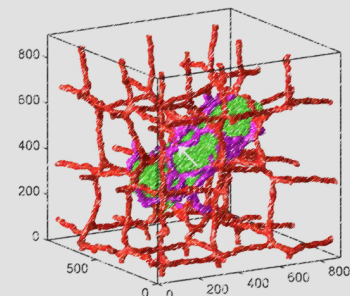
Somitogenesis



Biochemical Network Modeling



Polycystic Kidney Disease



Vascular Tumor Growth



Cell Migration



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