



# FINDING YOUR INNER MODELER

## An NSF Workshop

### Year 1

July 13, 2017  
University of Illinois at Chicago

8:15-9:00	Registration
9:00-9:10	<i>Welcome and Meeting Overview:</i> David Stone, UIC
9:10-9:50	<i>Keynote Talk 1:</i> Wallace Marshall, UCSF <b>Important insights from simple math – a case study based on flagellar length control</b>
9:50-10:20	<i>Collaborative Pair Talk 1:</i> Mary Baylies, Sloan-Kettering & Alex Mogilner, NYU <b>Positioning and size scaling of nuclei in multinucleated muscle cells</b>
10:20-10:50	<i>Collaborative Pair Talk 2:</i> Patrick Robison & Vivek Shenoy, UPenn <b>Characterizing the microtubule contribution to contractile mechanics of the cardiac myocyte</b>
10:50-11:10	Coffee Break
11:10-11:40	<i>Collaborative Pair Talk 3:</i> Angela DePace, Harvard & Max Staller, WUSTL <b>Measuring and modeling enhancers in <i>Drosophila</i> embryos</b>
11:40-12:20	<i>Keynote Talk 2:</i> Rob Phillips, Cal Tech <b>Figure 1 vs. Figure 7 theory – explorations on the meaning of mechanism</b>
12:20-12:40	<i>MCB Program Officer:</i> Richard Cyr, NSF <b>How modeling plays in review panels – do's and don'ts</b>
12:45-2:00	Catered Lunch
2:00-3:00	<i>Panel Discussion/Q&amp;A:</i> Richard Cyr, NSF; Angela DePace, Harvard; Carlos Lopez, Vanderbilt; Alex Mogilner, NYU; Marcos Sotomayer, Ohio State; Shelby Wilson, Morehouse College; Patrick Robinson, UPenn
3:00-3:40	<i>Community Modeling:</i> Leslie Loew, UConn <b>Vcell and the potential of community modeling</b>
3:40-4:00	Coffee Break
4:00-4:40 4:45-5:25	<i>Network Building Workshop: America's Next Top Model</i> Carlos Lopez, Vanderbilt & Georgia Drakakaki, UC Davis Alex Mogilner, NYU & Caroline Laplante, NCSU
5:25-5:30	<i>Closing Remarks:</i> Liz Haswell, Washington University in St. Louis