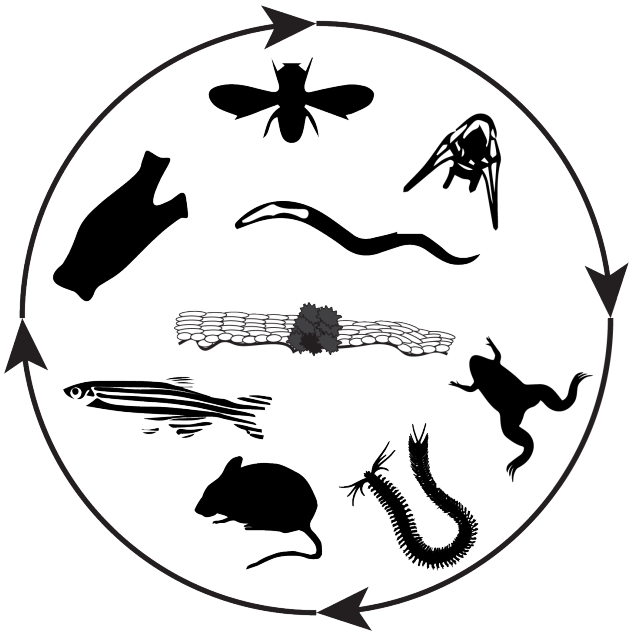
ASCB | EMBO 2017 meeting

Cell cycle regulation of morphogenetic behavior

Eukaryotic cells undergo drastic rearrangements in response to their local microenvironment. These morphogenetic changes are required for many cell biological activities, including the cell shape changes associated with cell motility and migration. Dynamic changes occur in cytoskeletal architecture between interphase and mitosis, and animal cells exhibit additional morphogenetic phenomena as they differentiate and exit the cell cycle. Traditionally, simultaneous examination of cell cycle state and cell behavior has been challenging, due to a lack of live cell cycle biosensors. For this reason, it has been difficult to unravel the relationship between cell cycle state and execution of morphogenetic behavior. However, recent advances in both imaging and cell cycle state biosensors have facilitated re-examination of cell cycle regulation during morphogenesis, the central theme of this subgroup.

Saturday December 1, 2017 1:30 – 5:30 PM



Exciting talks from:

Mingwei Min (Sabrina Spencer) UC Boulder
Laura Buttitta Univ. Michigan Ann Arbor
Stefano di Talia Duke University
B. Duygu Özpolat Marine Biological Laboratory
Deirdre Lyons Scripps
Christina Cota (Brad Davidson) Swarthmore College
Cortney Bouldin Appalachian State University
Benjamin Martin Stony Brook University
Lance Davidson University of Pittsburgh
Jessica Feldman Stanford
Wolfgang Keil (Shaham & Siggia) Rockefeller
David Q. Matus Stony Brook University
Emily Summerbell (Adam Marcus) Emory/Winship Cancer Institute
Andrew Ewald Johns Hopkins