

UCLA Center for Biological Physics Seminar

Developmental precision and robustness

Chao Tang

Westlake University



Despite significant stochastic and environmental noise and fluctuations, embryogenesis is carried out with astonishing precision. How is this achieved? In this talk, I will discuss two examples from our recent work. The first is the scaling phenomenon in *Drosophila* embryogenesis in which the body parts partition into the correct proportion despite variations in egg size. The second is the *C. elegans* embryogenesis in which a single cell, the fertilized egg, divides and differentiates into 900+ cells with a precise lineage relationship and a very accurate spatiotemporal cell dynamics.

**Tuesday, September 29th at 12pm
4-330 PAB**

Hosted by Robijn Bruinsma