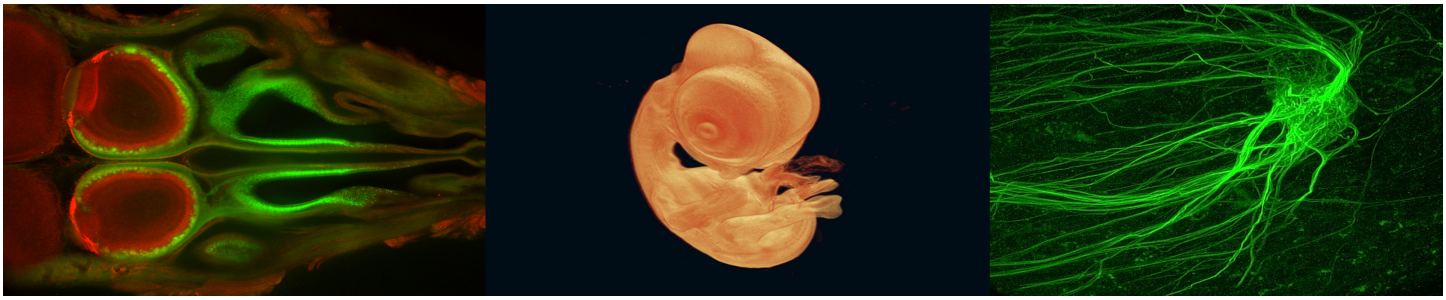

Visionary Seminar Series at USC

Wednesday, 27 January 2016 at 12 PM

Ray R Irani Hall Conference Room 101

L. Mahadevan, Ph.D.

Lola England de Valpine Professor of Applied Mathematics, Organismic and Evolutionary Biology and Physics
Harvard University

"Towards a geometrical and physical basis for morphogenesis"

The diversity of living form led Darwin to exclaim that "it is enough to drive the sanest man mad". 150 years later, how far have we come in quantifying this variety? Motivated by biological observations of tissue organization in plants and animals, I will show how a combination of biological and physical experiments, mathematical models and computations allow us to begin unraveling the physical basis for tissue and organ morphogenesis. I will also try and indicate how these pan-disciplinary problems enrich their roots, creating new questions in mathematics, physics and biology.

Host: Provost Professor Scott Fraser
Tel: 213-740-2233 http://bioimaging.usc.edu/events.html#