POSTDOCTORAL POSITION

ZEBRAFISH EMBRYONIC DEVELOPMENT

We are seeking outstanding postdoctoral candidates to join the Campàs lab at the University of California, Santa Barbara. Our group uses interdisciplinary and quantitative approaches to study the formation of tissues and organs during zebrafish embryonic development. We are interested in connecting the molecular and cellular process that orchestrate embryogenesis with the physical/mechanical processes that sculpt tissues and organs into their functional morphologies. To quantify and perturb local tissue mechanics we employ unique microdroplet techniques that we have recently developed (Campàs et al., Nature Methods, 2014; Serwane et al., Nature Methods, 2017). These techniques offer unprecedented opportunities to study tissue morphogenesis quantitatively (see e.g., Mongera et al., Nature, 2018).

We are specifically seeking independent, passionate, and motivated applicants for a postdoctoral position to study the interplay between the molecular and mechanical processes that shape embryonic tissues in zebrafish. The candidate will be able to work in a collaborative manner with a highly interdisciplinary group of researchers, including physicists, engineers and developmental biologists. A Ph.D. in the biological sciences (or related fields) with at least 3 years of laboratory research experience in zebrafish developmental biology is required. Experience in quantitative biology or biophysics, in addition to experience in zebrafish development, will be considered positively, but is not required.

This is a renewable, two-year position with full benefits, that will be extended as needed upon good performance of the candidate. Salary will be competitive and dependent on the level of experience of the candidate. Applicants should email a CV and a description of research interests to Prof. Campas (campas@ucsb.edu), and should also arrange for at least two references to submit letters of recommendation of their behalf. Applications submitted by February 15th, 2019 will receive priority consideration, but the position will remain open until filled. Start date is flexible.

The University of California, Santa Barbara provides an exceptional, interdisciplinary and collaborative environment for scientists interested in quantitative biology and systems biology (including exposure to the Santa Barbara/KITP Summer School on Quantitative Biology).