

Obstetrics, Gynecology, and Reproductive Sciences

Postdoc – Stem Cell and Developmental Biology

The Department of Obstetrics, Gynecology, and Reproductive Sciences (<http://obgyn.ucsd.edu/>) at the University of California, San Diego (UCSD) is committed to academic excellence and diversity within the faculty, staff, student body, and is recruiting an experienced Research Scientist for our Maternal-Fetal Medicine (MFM), Reproductive Endocrinology and Infertility (REI), Gynecologic Oncology (GynOnc), Female Pelvic Medicine and Reconstructive Surgery (FPMRS), and general Obstetrics and Gynecology (OBGYN) divisions.

We are looking for a highly motivated postdoctoral fellow interested in studying early human development using cutting-edge technologies. The fellow will be co-mentored by a multidisciplinary team of PIs with expertise in stem cell, embryo and placental biology, multi-omics, bioengineering, and computational biology. The PIs have longstanding and productive collaborations. The majority of our laboratories are located in the Sanford Consortium for Regenerative Medicine (SCRM) building in La Jolla, which is co-occupied by labs from UCSD, Salk, and Sanford-Burnham, and state-of-the-art labs and core facilities. The candidate will be part of a vibrant stem cell community, centered in the SCRM, and encompassing the many research institutions on the surrounding Mesa.

This project is focused on building *in vitro* and *in silico* models of early development, and dissecting the network of regulatory factors (including transcription factors, epigenetic marks, and noncoding RNAs) that control cellular differentiation and mediate crosstalk among the cell types in the early embryo. By combining careful phenotyping of cellular populations, detailed genomic and epigenomic analyses, and focused functional validation, we aim to learn about the molecular processes that drive human development.

Experience in stem cell biology, genomics/epigenomics, and computational biology is preferred. Candidates with a strong background in other fields (e.g. molecular biology/biochemistry, developmental biology, bioengineering, etc.) are also welcome to apply.

Interested candidates should send their resume/CV and the names of 3 references to Louise Laurent (l Laurent@ucsd.edu). Stipend will follow the NIH-recommended scale.

Co-mentorship team:

Louise Laurent (primary mentor)

Heidi Cook-Andersen

Mana Parast

Alon Goren

Shaochen Chen