

The Gur-Cohen Lab in the Division of Regenerative Medicine at UC San Diego School of Medicine is seeking a Post-Doctoral Researcher interested in studying how stem cell interaction with their lymphatic vascular environment regulates stem cell identity and plasticity. The overall focus of the Gur-Cohen laboratory is to understand how epithelial stem cells coordinate tissue renewal with the ultimate goal to harness stem cell regenerative potential to develop new strategies for precise tissue repair. We apply core techniques in cell biology, microscopy, mouse genetics and biophysics to address fundamental questions in stem cell biology during normal development and cancer progression. If you are fascinated by the highly regenerative nature of mammalian stem cells, intrigued by the complexity of systemic cellular communication, and want to help us build a dynamic, passionate, and diverse lab environment, we would love to have you here!

Candidate's responsibilities:

- Independently design, perform and analyze experiments and procedures
- Demonstrate ability to adapt methods according to project priorities.
- Comfortable of handling and working with mice, primary human tissues and hazardous materials.
- Be able to present results, accurately document experiments and writing of reports and manuscripts.
- Committed to work in a collaborative environment that values diversity, equity, creativity, and excellence.

Laboratory procedures typically include cellular and molecular biology techniques such as flow cytometry, cell sorting, real-time PCR, Western blotting, 3D culture assays, MassSpec and proteomics, high throughput sequencing (bulk and single cell; ATACseq), microscopy (tissue clearing for 3D imaging), intravital imaging, cloning and CRISPR/Cas gene editing, virus preparation and in-utero viral delivery, tissue culture, malignant and healthy primary human skin sample processing and skin xenograft models.

Postdoctoral researcher will also be involved in general laboratory maintenance, participate in group meetings, data presentation, and manuscript preparation. Lab members have access to a vibrant collaborative culture within the Division of Regenerative Medicine and at the stem cell community within the Sanford Consortium for Regenerative Medicine, with numerous career-enriching informal and formal training programs, including institutional post-doctoral fellowship funding and community outreach opportunities. We are excited to welcome you and support you in learning new things, doing amazing science and achieving your professional goals.

Candidates must have obtained a Ph.D. or M.D./Ph.D. in cellular and molecular biology, cancer biology, and/or a related field. Please submit your CV along with a cover letter and contact information for three references to Shiri Gur-Cohen at sgurcohen@helath.ucsd.edu.

The University of California is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.