UC San Diego
SCHOOL OF MEDICINE

POSTDOC POSITION IN MUCOSAL IMMUNOLOGY

The Chu laboratory at UC San Diego School of Medicine studies the complex interactions between the trillions of diverse microbes and the host in the mammalian gastrointestinal tract. We are focused on the fundamental role of commensal microbiota in the education, induction, and maintenance of the host immune system during health and disease. Our research is centered at the interface of microbiome and immunology, with the goal of mechanistically understanding the role of the microbiome in preventing and treating immune-mediated diseases such as inflammatory bowel disease (IBD).

We are seeking highly motivated and creative individuals with proven experimental expertise and a strong interest in mucosal immunology and the gut microbiome. Specifically, **our lab is currently recruiting post-doctoral fellows** with a demonstrated background in mucosal immunology, microbiology, and/or animal models of disease. We are seeking enthusiastic and hard working individuals who thrive in a dynamic, collaborative, multi-disciplinary research environment.

An NIH-funded position is available, focused on immune signaling pathways in response to commensal bacteria. We are currently investigating *1) immune signaling pathways involved in sensing immunomodulatory signals from the gut microbiome*, and 2*) the development of commensal-specific regulatory T cells in the maintenance of intestinal tolerance*.

Our laboratory is highly committed to the career development of its trainees. Please visit our website for more details: chulab.ucsd.edu or contact Hiutung Chu at hiuchu@ucsd.edu

We are looking for postdoctoral fellows with interest in mucosal immunology and IBD

- Trained in immunology, biochemistry, and/or cell biology.
- Experienced in using immunological techniques including flow cytometry, ELISA, cell imaging, and rodent models.
- Experienced in cell culture of human and mouse primary cells and cell lines.
- Preferred experience with mucosal and systemic tissue collection, cell isolation, and cellular assays to assess immune responses.

Desired, but not required qualifications, include:

- Experience in single cell RNAseq.
- Experience in studies involving germ-free & gnotobiotic mice.
- Experience in studies using mouse models of IBD & infectious diseases.
- Knowledge in microbiome and/or metabolomic analysis.

Contact hiuchu@ucsd.edu or visit chulab.ucsd.edu