

Postdoctoral Position in Stem Cell, Microenvironment and Cancer

A postdoctoral position in stem cell, microenvironment and cancer is available in the laboratory of Zhe Li, PhD, Division of Genetics, Department of Medicine, Brigham & Women's Hospital and Harvard Medical School. The research will be primarily devoted to the study of regulation of mammary or fallopian tube or prostate epithelial cells by environmental factors (e.g., immune cells, hormones) during normal or cancer development, in genetically engineered mouse models. Potential projects include: 1) Contribution of cell intrinsic mechanism, environmental factors, and their interplay to the development of p53-deficient or p53/BRCA1-deficient breast cancer; 2) Impact of aging on prostate cancer development; 3) Niche regulation of fallopian tube epithelial stem cells and origin of ovarian cancer.

The Li Laboratory is located at the Harvard Medical School campus and is broadly interested in elucidating molecular mechanisms of how cancer cells evolve from their cells of origin, by using mouse models and organoid culture systems. The lab is particularly interested in the intersection of immunology, single cell genomics, developmental biology, stem cell biology, and cancer biology. More information about research in the Li Laboratory can be found from the website (<http://www.dfhcc.harvard.edu/insider/member-detail/member/zhe-li/>).

Applicants are expected to have completed their PhD and/or MD degree and be highly motivated for a career in academic biomedical research. Previous experience with immuno-oncology, stem cell biology, developmental biology, and/or mouse models of human cancer is preferred. Experience with small animal surgery or bioinformatics is a plus.

Applicant should send a CV and contact information of three references to Zhe Li, Ph.D. (zli.lab.bwh@gmail.com).