Stanford

Hao Yan

Postdoctoral Scholar, Bone Marrow Transplantation

Bio

BIO

As a highly motivated researcher with a passion for conducting basic research that has direct implications for patient care, I have completed my Ph.D. training in physiology in China and pursued postdoctoral training in the United States. My academic training and research experience have provided me with an excellent background in multiple biological disciplines including developmental biology, gerontology, immunology, and pre-clinic research. As a doctoral student with Dr. Guoliang Xia, I focused on mammalian ovary development and aging with the goal of improving the in-vitro fertilization process for cancer patients and women over 40, and aimed to uncover the mechanisms that control the non-renewable oocyte activation and slow down its quantity and quality loss during aging.

During my Ph.D. training, I became interested in immunology research, inspired by my involvement in a project on maternal-fetal immunotolerance. In naturally conceived pregnancies, the fetus is semi-allogeneic to the mother, and the maternal immune system is exposed to foreign HLA antigens from the child. However, the fetus is well-tolerated within a specific time window. As a postdoctoral fellow at Stanford University, I joined the lab of Dr. Robert Negrin, a renowned leader in the bone marrow transplantation (BMT)/GVHD field, to explore immunotolerance-related issues such as graft-versus-host disease and blood malignancies.

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

STANFORD ADVISORS

- Robert Negrin, Postdoctoral Faculty Sponsor