

Postdoctoral Fellow
Epigenetics and Immune Signaling in Cancer
NCI-Designated Sidney Kimmel Cancer Center, Thomas Jefferson University

Lab background:

We are a cancer research lab using basic and translational science approaches to investigate mechanisms of stem cell function, self-renewal, and dysfunction in cancer. Specifically, we study epigenetic and non-coding RNA mechanisms of gene regulatory networks in acute myeloid leukemia, normal hematopoiesis, and innate immune signaling. We ultimately focus our studies to identify novel mechanisms of cancer weaknesses that can be exploited therapeutically. Our lab is seeking a postdoc fellow who is willing to be challenged scientifically and wants to excel in areas of cancer and molecular biology and to learn new techniques to accomplish the research projects. Expertise in hematology or hematologic malignancy is preferred but not required.

Minimum education requirements: PhD or MD/PhD (in biology, immunology, or relevant basic science field)

Experience: Completed PhD or MD/PhD, no more than 1 year postdoc experience.

1. Proficient in standard molecular and cell biology techniques
2. Flow cytometry
3. Mouse models
4. Cancer, hematology, or hematologic malignancy (preferred but not required)

Position responsibilities:

1. Use training in cancer, hematopoiesis, or molecular biology to design and execute experiments, analyze and interpret data on research projects in the lab, both independently and in collaboration with other laboratory members or outside groups.
2. Independently develop scientific hypotheses related to ongoing work in the laboratory.
3. Independently design experiments to test hypotheses developed together with the PI.
4. Independently carry out or delegate procedures for experiments.
5. Analyze results of experiments independently.
6. Work with mice to perform in vivo studies.
7. Work with BSL1 and BSL2 agents including human cell lines, primary human and murine cells, replication-deficient retro- and lentiviruses.
8. Independently prepare oral and written reports on research including, but not limited to: writing abstracts, manuscripts, fellowship grant proposals, oral presentations at local and national meetings.
9. Perform routine molecular and cell biology techniques. Learn and implement more technically challenging, novel, cutting-edge procedures.
10. Mentor or teach junior trainees or technicians in the laboratory.

Location: Meyer Laboratory, Department of Cancer Biology, Sidney Kimmel Cancer Center, Thomas Jefferson University, Philadelphia. The school is in Center City Philadelphia and easily accessible by trains/buses from Northern/Eastern USA.

To apply, please email CV and cover letter summarizing your experience, along with the contact information for three references to sara.meyer@jefferson.edu addressed to Sara Meyer PhD, Assistant Professor of Cancer Biology, Sidney Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA.