

Responsibilities

Dr. Sara Meyer's lab studies the molecular and cellular mechanisms of hematologic malignancies, with a focus on normal hematopoietic stem cell function, leukemia stem cell biology, and the response of acute myeloid leukemia (AML) to therapeutic intervention: Meyer et al., *Cancer Discovery* (2016). Taking translational approaches to science, our group works closely with clinicians in the acute leukemia group at Jefferson Sidney Kimmel Cancer Center to focus our research on important clinical problems. Dr. Meyer's lab is in the Department of Cancer Biology, which holds an NIH/NCI T32 training grant for eligible postdoctoral fellows.

- Design, execute, and record laboratory experiments in detail; apply standard laboratory protocols to experiments, research, and improve/update current methods and evaluate/optimize innovative techniques or make recommendations.
- Independently perform experiments and record data according to research protocols, reproduce, evaluate, and optimize techniques. Adapt new methods into the laboratory.
- Analyze and interpret data. Use creativity and knowledge of the field to design subsequent studies with guidance of the PI. Draft, write, edit, scientific reports, papers, journal and review articles, and abstracts.
- Perform some animal colony maintenance as needed and all *in vivo* experimental studies for the fellow's projects, including but not limited to transplantation studies with disease monitoring (in vivo imaging, peripheral blood and bone marrow analyses). Analyze and assemble data for oral and poster presentations. Serve as a mentor in the lab to students and technicians.
- Remain current in the field through literature, seminars, continuing education or specialty laboratory trainings. Implement this knowledge within the laboratory.
- Follow policies and procedures governing the handling of confidential information as defined by TJU. Ensure timeliness, accuracy, availability, and security of information.
- Follow policies and procedures according to approved IBC, Radiation Safety, and IACUC protocols. Maintain up-to-date on all TJU, safety, and animal trainings.

Education/Qualifications

We are looking for a talented, creative, enthusiastic, highly motivated postdoctoral fellow with a PhD in cancer biology, molecular biology, immunology, cell biology, or related fields. The candidate should have an interest in one or more of the following: cancer epigenetics, transcriptional profiling, chromatin organization and binding complexes, non-coding RNA biology, translational therapeutics, mouse models of cancer, and stem cell biology.

Thomas Jefferson University is a premier research and medical education institution with over 50 higher level educational degree and certification programs. Here, researchers work collaboratively across multiple departments and specialties to address some of the greatest complications in healthcare. Comprehensive research support services and fully equipped facilities, along with

institutional commitment to research and postdoctoral fellow career development, all cultivate a productive and cutting-edge work environment. In addition, our lab is a member of the NCI-designated Sidney Kimmel Cancer Center, a top performer in cancer research and cancer care. No previous postdoctoral experience required. Flow cytometry, mouse models, hematology, or cancer biology expertise will be preferred.