Job Title: Laboratory Research Technician (full-time, 2-year salaried position)

Laboratory /Department: Miriam Merad Lab/ Precision Immunology Institute at Mount Sinai (PrIISM). Located at the Hess Center in Manhattan at 102nd and Madison Avenue. http://labs.icahn.mssm.edu/meradlab/

Laboratory Aim: We study the immunology of engineered T cells infused into patients with cancer. Our goal is to advance cellular therapy for solid tumors.

Detailed description: Our laboratory is seeking an energetic and highly motivated Research Technician to work in the area of cancer immunology. The laboratory technician will learn state-of-the-art techniques in applied immunology and cellular engineering, CRISPR/Cas9-based functional screens, mouse models, genetics, in vivo tracking of cells using bioluminescence, and cytometry to develop novel Chimeric Antigen Receptor (CAR) T cell therapies for solid tumors. The ideal candidate will actively seek to understand the science behind the experiments and work both independently and as a team member.

We have a dynamic and diverse group of scientists. Most technicians leave the lab after 2 years well positioned for admission into MD, PhD and MD/PhD programs.

You will:
• Learn gene editing, sequencing, viral vector gene delivery, recombinant DNA methods, cell culture, flow cytometry
• Performs necessary analysis and calculations, analyze and interpret data
• Perform experiments in molecular biology, immunology, tumor models, cytometry, cellular engineering
• Participate/present work in laboratory meetings and read relevant literature
• Maintain and organize lab mouse strains, and perform injection of tumor cells, collection/harvesting of tissues, and autopsies
• Prepare laboratory equipment, instruments, solutions, stains, assays and other supplies

Preferred Qualifications:
• Able to work independently and as a team member, learn complex tasks with general instruction
• Bachelor's degree in life sciences, with courses in molecular and cell biology
• 1+ years experience in a life sciences laboratory **
• Be someone who actively seeks to understand the science underlying the experiments
• Generally experienced in handling mice (breeding, weaning and maintaining lines, tail DNA prep), molecular biology (PCR, DNA and RNA isolation, cloning), and mammalian cell culture

Please submit a CV/resume detailing prior education and lab research experience and two references to jalal.ahmed@mountsinai.org

Department Description: The Precision Immunology Institute at Mount Sinai (PrIISM) and the Tisch Cancer Institute (an NCI-designated Cancer center) initiated the Cancer Immunology Program at Mount Sinai to advance biomedical research and science education towards the betterment of patients afflicted with cancer. We empower exceptional scientists and students to use state-of-the-art technologies to pursue fundamental questions in emerging areas of cancer immunotherapy and anti-tumor immunity.

PrIISM and the TCI are closely associated with the Icahn School of Medicine and Hospital network that serves patient’s in New York City and the Tristate area. To learn more, visit: https://icahn.mssm.edu/research/immunology/research/cancer-immunology and https://careers.mountsinai.org/explore-mount-sinai.

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