Postdoctoral Positions in Translational Computational Biology

The Yin Lab at Albert Einstein College of Medicine is recruiting talented and motivated postdoctoral researchers to work on translational computational biology.

The Albert Einstein Cancer Center is one of the oldest and most established NCI-designated cancer centers in the US. It is a premier early drug development unit focused on first-in-human and biomarker-driven clinical trials of novel cancer therapeutics, associated with cutting edge multidisciplinary translational research focused on development of predictive biomarkers, tumor heterogeneity and evolutionary dynamics, and intrinsic and acquired drug resistance.

Our laboratory applies transgenic mouse models, high-dimensional omics approaches, genome editing technologies, and patient-derived samples to study the genetic basis of chronic lymphocytic leukemia (CLL), and address fundamental questions with regards to disease heterogeneity and resistance to immune checkpoint blockade (*Cancer Cell 2019 [Cover Story]; Cancer Cell 2021; Cancer Research 2021; Cell Reports 2017; Cancer Discovery [in press]*). We seek exceptional PhD, MD, or MD/PhD applicants with expertise in developing novel computational methods for integration of high-dimensional genomic, transcriptomic, proteomic, single-cell, imaging, and clinical data, to predict patient outcomes in the context of investigational cancer therapeutics and identify novel targets, predictive biomarkers, and rational combination therapies, as well as improved treatment selection and clinical trial matching strategies. The position offers an exciting opportunity to work closely with basic and translational scientists in a highly collaborative and stimulating environment. This position is remunerated above NIH guidelines and provided with a generous package of institutional benefits and postdoctoral housing.

- Job Requirements

Applicants are required to have a PhD, MD, or MD/PhD degree in related fields (e.g., computational biology, genetics) and have a proven record in NGS data analysis and bioinformatics research. Proficiency in R and/or Python programming is required. Skills and knowledge in statistics and genetics/genomics/biology are preferred.

- How to apply

Applicants should submit a cover letter and the curriculum vitae (preferably in a single PDF file). All application materials should be sent by email to the lab P.I. Dr. Shanye Yin at shanye.yin.einstein@gmail.com