ALTOS

Open Position in Lipid Biophysics or Biochemistry
Altos Labs - San Diego Institute (SDI)
Z. Levine Laboratory
La Jolla, California

Expected Start Date: 6/1/22 (negotiable)

Summary
The Z. Levine Laboratory is excited to be recruiting an **experienced biophysicist or biochemist** to work at the interface of **cellular health and resiliency** in the context of **lipids and lipoproteins**. The successful candidate will work alongside a multidisciplinary team of biophysicists, chemists, and biologists to integrate knowledge across a wide range of experiments and investigate cellular aging, senescence, and reprogramming. This key role will work with the PI to design biophysical experiments that utilize lipid micelles, vesicles, and nanodiscs in solution, cells, and model organisms. The successful candidate should also have expertise synthesizing and characterizing heterogeneous membranes (e.g. giant plasma membrane vesicles – GPMVs – or cholesterol-containing vesicles), and be familiar with standard lipid assays (extrusion, flotation, and size-determination via light scattering or related techniques). Knowledge of lipid-fluorophore conjugation is also preferred, but not required. Similarly, candidates with experience in lipoproteins and/or apolipoproteins are especially encouraged to apply.

Preference will be given to candidates with experience (or interest) in combining biological data with biophysical measurements. Candidates with partial expertise in these techniques who express a compelling interest to learn are also encouraged to apply.

Candidates should hold a PhD in Biophysics, Biochemistry, or in a related field, and must demonstrate a strong track record of conspicuous scholarship, mentorship, and scientific publications.

Salary and benefits will be commensurate with years of experience and is highly competitive with top biotechnology companies. Candidates with diverse backgrounds that value equity, inclusion, and belonging are especially encouraged to apply for this position.

How to Apply
Please send the following documents to zachary.levine@yale.edu

1.) A Current CV or Resume
2.) A Representative Publication
3.) A One Page Summary of Past Research Projects
4.) A List of Three Letter Writers (Names and Email Addresses) to Endorse the Candidate