



Position	Scientist, Biophysics and Assay Development
Supervisor	Jessica Friedman, Ph.D.
Department	Biology
Prerequisites	Ph.D. in Biochemistry or related field +3 years of experience

Position Summary:

The mission of Arrakis Therapeutics is to extend small molecule medicines into new realms of biology by discovering and developing compounds that selectively target RNA. By targeting distinct RNA structures, Arrakis will generate drug candidates with novel mechanisms of action for molecular targets that are challenging to drug in therapeutic indications with high unmet need.

We are seeking a highly motivated Scientist within the Biophysics/Screening group at Arrakis. This group performs screening, ligand binding confirmation of HTS hits, selectivity screening, and mechanistic binding studies using biophysical methods.

Responsibilities:

The responsibilities of this position include but are not limited to the following:

1. The successful candidate will perform small molecule/RNA direct binding studies by SPR, TSA, and fluorescence-based binding assays, and will be instrumental in exploring novel technologies to enhance the biophysical platform.
2. Generation of robust and reproducible assay data to drive lead identification and optimization.
3. Development and integration of new screening technologies.
4. Presentation of results at project team and departmental meetings.
5. Successfully communicate and collaborate with laboratory colleagues and other functional areas.
6. Routine use of an electronic laboratory notebooks to capture processes and data.

Experience/Skills/Knowledge Required:

1. Ph.D. in biophysics, chemistry, biochemistry, or any related discipline.
2. At least 3 years of research experience, with industry experience being desirable.
3. Experience handling and developing RNA-based biochemical assays.
4. Experience with ligand-binding assays, including assay development, troubleshooting and data analysis, in at least one of the following technologies: SPR, MST, TSA, NMR, ITC, or fluorescence-based approaches. Preference will be given to SPR expertise.
5. Ability to multi-task to support multiple projects is essential.
6. Broad understanding of the drug discovery and development process.
7. Excellent interpersonal skills and oral/written communication skills.

8. Experience with liquid handlers and automation and/or cell assay development is preferred.
9. Demonstrated ability in the analysis of biophysical readouts.
10. Ability to work in a dynamic and changeable environment.