

Senior Scientist, Molecular/Cell Biology

Syros Pharmaceuticals is pioneering the understanding of the non-coding region of the genome to advance a new wave of medicines that control expression of disease-driving genes. Syros has built a proprietary platform to systematically and efficiently analyze this unexploited region of DNA in human disease tissue to identify and drug novel targets linked to genomically defined patient populations. Because gene expression is fundamental to the function of all cells, the Company's gene control platform has broad potential to achieve profound and durable benefit across a range of diseases. Syros is focused on cancer and immune-mediated diseases and is advancing a growing pipeline, including its lead drug candidates SY-1425, a selective RAR α agonist for genomically defined subsets of patients identified by its platform, for a range of cancers including acute myeloid leukemia and myelodysplastic syndrome, and SY-1365, a selective CDK7 inhibitor for a range of blood cancers and solid tumors. Led by a team with deep experience in drug discovery, development and commercialization, Syros is located in Cambridge, Massachusetts.

Syros Pharmaceuticals is seeking an experienced molecular/cell biologist to join a team of highly motivated scientists that are using recent fundamental insights into transcriptional regulation to discover and develop novel medicines targeting gene control.

The candidate must have a Ph.D. degree in Cell Biology, Biochemistry or a related discipline and have 4-6 years of productive post Ph.D. research experience proven by a strong record of achievement. Experience in the biotech/pharma industry preferred. This is a rare opportunity to join an exceptional start-up pushing the boundaries of drug discovery.

Responsibilities:

- Serve as biology project lead for small molecule drug discovery projects
- Investigate molecular mechanism of action of small molecules impacting transcriptional control using sophisticated transcriptomic and epigenomic analysis
- Integrate biological (e.g., CRISPR, shRNA) with compound mediated perturbation of cells to develop PD markers
- Use insights from mechanistic work to develop predictive markers for patient selection
- Execute integrated data analysis and interpretation in collaboration with computational biology group
- Prepare written documents to support regulatory submissions
- Initiate and develop external collaborations with external
- Present data in abstracts, posters, talks and peer-reviewed publications

Requirements:

- Ph.D. in Cell Biology, Biochemistry or related field with 4-6 years of experience in testing and elucidating MOA of small molecules, preferably in industry
- Strong record of achievement (peer reviewed publications or regulatory documents)
- Familiarity with genetic and gene modulation techniques to analyze gene function
- Experience in genome wide transcriptional and epigenomic profiling
- Ability to extract insights from data rich experiments
- Familiarity in the design and execution of in vivo experiments
- Experience in writing and editing of reports suitable for IND submission
- Attention to detail and the ability to simultaneously handle multiple projects
- Desire and ability to work in a cross-functional and flexible team-oriented environment
- Strong interpersonal and strong verbal and written communications skills

Candidates who are keen experimentalists, enthusiastic, creative and have a passion for drug discovery are encouraged to apply. Knowledge of cancer biology and transcriptional regulation is a plus.