

Postdoctoral Researcher, Cell and Molecular 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, Mass.

Syros Pharmaceuticals is seeking an experienced Cell and Molecular Biologist to join a team of highly motivated scientists that are discovering new oncology drug targets and developing small molecule modulators of gene regulation.

The candidate must have a recent PhD in cell and molecular biology or related field. Experience in transcriptional regulation, epigenomics, drug discovery, oncology and familiarity with genome editing and genome-wide techniques are desired.

Responsibilities:

- Integrated data analysis and interpretation of genomic, epigenomic and transcriptional datasets
- Performance of next-generation epigenomic assays including ChIP-seq and RNA-seq
- Development of cell-based gene reporter models using CRISPR-mediated gene editing
- Biochemical isolation of transcriptional regulatory complexes
- High throughput chemical and CRISPR-based screening

Requirements:

- Recent PhD degree in Cell Biology, Molecular Biology or related field with 2-5 years experience in transcriptional biology and epigenomics
- Familiarity with design and application of gene editing tools including CRISPR
- Standard molecular biology skills: DNA and RNA isolation, PCR, molecular cloning, transfection, protein isolation, cloning and immunodetection
- Experience with protein isolation and purification
- Strong attention to detail and the ability to handle multiple tasks
- Desire and ability to work in a fast paced, cross-functional, flexible and team-oriented environment
- Independent thinking, experimentation and analysis
- Strong interpersonal and written communications skills

Candidates who are keen experimentalists, independent thinkers and enthusiastic team players that have a passion for drug discovery are encouraged to apply. Preference given to candidates with previous expertise in creating cell-based models through gene engineering, transcription factor biology and chromatin biology.