

Job Title

Associate Sci/Sr.Sci, Enzymology, Agios

Job Type

Full-Time Regular

Position Id

201337

Job Description

Agios (agios.com) is a biopharmaceutical company committed to applying its scientific leadership in cellular metabolism to transform the lives of patients with cancer and rare genetic disorders. We have multiple first-in-class product candidates in late-stage clinical development including AG-221 and AG-120 for AML. Based in Cambridge MA, Agios has a world-class leadership team and an employee base of over 250 members.

Agios is seeking an Associate Scientist/Scientist with an established background in enzymology for a one-year term position at their Cambridge, Massachusetts site. The qualified candidate will join the Biochemistry Department and will provide enzymology and protein biophysics support to drug discovery programs. The individual in this role will be responsible for conducting assay development and target-ligand mechanism of action studies. Experience with enzyme kinetics, screening assays for enzyme activity/fidelity and a strong background in elucidating enzyme-target binding interactions are desired.

S/he will characterize enzyme activity and homogeneity, elucidate options for hit ID approaches, collaborate with screening scientists on development of HTS assays, and perform mechanism-of-action studies to validate hit compounds. The candidate will provide enzyme and effector mechanistic data and insight, and analyze biochemical and cellular SAR throughout different stages of the project. S/he will collaborate in a highly multidisciplinary/matrix environment for the progression of drug discovery projects.

Responsibilities

- Develop novel assays to screen enzymes for desired characteristics
- Determine enzyme kinetics assays using novel reaction buffers/conditions
- Perform medium throughput compound screening
- Carry out enzymatic assays on regular basis
- Analysis of protein stability/folding via a variety of techniques
- Document experimental results in electronic notebook
- Present findings to interdisciplinary research teams

Minimum Qualifications

- A Ph.D. or equivalent in enzymology /biochemistry/biophysics/chemical biology/pharmacology with post-doctoral experience OR a MS with at least 4 years of industrial experience is required
- Experience in enzymology, compound library screening and biochemical or biophysical assay development
- Excellent written and oral communication skills are required
- Ability to work in multidisciplinary teams
- Extensive knowledge in at least 2 of the following areas: mechanism-of-action studies, enzyme characterization, steady state kinetics, equilibrium binding methods, protein biochemistry, protein refolding, and assay development.

Preferred Qualifications

- Direct experience in mechanistic characterization of target-ligand interactions, protein biochemistry, and assay development
- Experience with isothermal chemical denaturation, fluorescence spectroscopy, differential scanning fluorimetry, microscale thermophoresis, surface plasmon resonance, isothermal titration calorimetry and/or other biophysical techniques a plus
- Publication of original scientific work in high-quality journals demonstrating substantial experience in enzymology, protein engineering and assay development
- Demonstrated knowledge of mechanisms of action
- Strong scientific curiosity, integrity, creativity and self-motivation
- Experience working in a team-oriented, collaborative setting
- Excellent quantitative analytical skills with experience in mechanistic biochemistry and enzyme kinetics and/or chemical biology techniques is preferred