



JOB DESCRIPTION

6 Cedarbrook Drive
Cranbury, NJ 08512
609-619-3156

Job Title:	Crystallographer/Structural Biology Lead
Reports to (Title):	Head of Biology
Location :	Cranbury, NJ
Exempt/Non-Exempt :	Exempt
Direct Reports:	Yes
Department:	Biology
Cost Center:	
EEO Job Category	Professional

Job Summary: The role is located in Cranbury, NJ and work under the biology department.

Essential Job Functions:

- Produce recombinant proteins in E. coli, insect cell and mammalian cell systems for protein crystallization and biochemical assays.
- Perform crystallization screening and optimize the conditions of co-crystallization of protein/drug complex to produce high-quality of single crystals for X-ray diffraction.
- Carry out remote-controlled (and sometimes in-person) collection of X-ray diffraction data and determine high-resolution atomic structures.
- Deliver and present high-quality and timely structure data to project teams to enable iterative structure-based drug design.
- Supervise two junior members of the team in protein production and crystallization.
- Complying fully with the company safety policy when performing experiments
- Adhering to Lab Notebook guidelines regarding accurate documentation of lab experiments

Job Requirements:

- Ph.D. in structural biology, biophysics, biochemistry or related discipline with 3-5 years post-doctoral experience.
- Proficient in recombinant protein production in E. coli, insect cell and mammalian cell systems
- Skilled in protein engineering for protein crystallization.
- Expert in protein crystallography, especially in solving crystal structures of ligand-protein complex.
- Structure-based drug design experience is desirable. Knowledge in structure-based drug design using modern modeling and design tools.
- Ability to work in a diverse team setting and collaborate effectively with multiple project leaders.
- Excellent communication, interpersonal and organizational skills. Bilingual in English and Chinese is required.
- People management experience is not a must.



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An Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability

This job description does not state or imply that the above are the only duties and responsibilities assigned to this position. Employees holding this position will be required to perform any other job-related duties as requested by Management.

Management Approval: _____ Date: _____

Employee Signature: _____ Date: _____