



Postdoctoral Fellowship - Protein Biophysics – 968073

St. Louis, Missouri

Interested or referred candidates can visit www.PfizerCareers.com for additional information and to apply by referencing Job ID: 968073.

Role Description

The Pharmaceutical Research & Development (PhRD) at Pfizer Biotherapeutic R &D in St. Louis, MO has an opening for a highly motivated Postdoctoral Fellow to work on protein stability & aggregation aspect related to therapeutic protein development. PhRD is focused on the development of diverse biotherapeutic molecules. The department has state of the art biophysical infrastructure to work on protein stability & aggregation. The current postdoc project is designed to understand the fundamental mechanism/s of protein instability, sub-visible particulate formation and aggregation using variety of biophysical and biochemical tools.

Qualifications

- Ph.D. degree in Biochemistry, Biophysics, Chemistry or related fields and demonstrated experience in the area of protein biophysical chemistry of proteins involving structure-folding-stability relationships. This includes purification, stability, kinetics and thermodynamics of folding of monomeric proteins.
- Expertise in solution biophysical techniques such as Calorimetry (ITC/DSC), Fluorescence (FRET/time resolved), FTIR, AF4, AUC, CD and fast kinetics (Stoppedflow).
- Data acquisition, analysis and interpretation using various software (Origin, KaleidaGraph, MATLAB, Sigma Plot, Mathematica).
- Excellent oral and written communication skills.

DESIRABLE: One or two years of postdoctoral research experience. Good understanding of excipient and ligand interaction with proteins Evaluation of thermodynamic and kinetic models.

