



Department: Late Stage Pharmaceutical and Processing Development

Job Family / Category: Process Research & Development

Position: **Post-Doctoral Research Fellow**
(2 yr position with an option for a 3rd yr)

Location: South San Francisco, CA

Position description:

A postdoctoral research fellow position is available in the Late Stage Pharmaceutical and Processing Development Department focusing on interfacial interactions between proteins and surfaces.

Protein biopharmaceuticals come in contact with a variety of surfaces and interfaces. The effect of exposure to these interfaces on the proteins is not well understood. This project aims to utilize surface sensitive techniques (e.g. SPR, QCM-D, TIRF Microscopy, surface enhanced spectroscopy, etc.) to examine the dynamics of protein adsorption and the effect of different surfaces/interfaces on the structure and conformation of the protein. A further objective of this project is to develop an understanding of the influence of protein-ion as well as protein-protein interactions on the adsorption process and the properties of the adsorbed protein. The relative importance of protein-protein interactions in mediating surface-protein processes will be examined through the use of orthogonal methods such as DLS, AUC, etc.

Requirements:

A Ph.D. in the field of biophysics, biophysical chemistry, chemical engineering, biochemistry, or related discipline. A strong background in biophysical/interfacial chemistry, and/or quantitative biochemical analysis is essential. The candidate should have hands-on experience working with various surface sensitive techniques and must be a highly motivated, organized, detail-oriented and inventive self-starter with strong communication, collaboration, and analytical thinking skills.

Interested candidates should contact Ankit Patel (patel.ankit@gene.com) and apply online at www.gene.com (Job code 09-1000029008).