

Postdoctoral Research Fellow, Late Stage Pharmaceutical Development

Job ID: 00400208

Job Function

Technical Operations

Schedule

Full-time

Location

United States-California
South San Francisco

Job type

Regular Employee

Company/Division

Pharmaceutical

Job Level

Experienced

Who We Are

At the Roche Group, about 80,000 people across 150 countries are pushing back the frontiers of healthcare. Working together, we've become one of the world's leading research-focused healthcare groups. A member of the Roche Group, Genentech has been at the forefront of the biotechnology industry for more than 30 years, using human genetic information to develop novel medicines for serious and life-threatening diseases. The headquarters for Roche pharmaceutical operations in the United States, Genentech has multiple therapies on the market for cancer and other serious illnesses. Please take this opportunity to learn about Genentech, where we believe that our employees are our most important asset and are dedicated to remaining a great place to work.

The Position

A post-doctoral research fellow position is available in the Late Stage Pharmaceutical Development group to investigate the temperature and concentration dependence of protein interactions in solution and cryogenic conditions. Many monoclonal antibody (MAb) products are developed as high concentration solutions, and have been observed to present a range of issues (aggregation, precipitation, phase separation) on storage. The temperature dependence of intermolecular interactions between proteins and other solution components remains poorly understood, in particular in cryo-concentrated conditions. The objective of the post-doctoral research fellow will be to characterize the temperature dependent interactions of antibodies in both liquid and frozen glassy states, using a variety of biophysical techniques and novel experimental approaches to gain understanding of the underlying molecular basis of the protein and solvent interactions that result in a variety of bulk solution behaviors.

Who You Are

A Ph.D. in biophysics, biochemistry, biomaterials, materials science, chemical engineering, or a related discipline is required. The candidate must have a strong scientific background and excellent analytical / problem solving skills. Experience in more than one of the following

subjects is highly desirable: general protein laboratory methods, static light scattering, small angle x-ray scattering, solution thermodynamic theory, and mathematical modeling/ simulation software (i.e. MATLAB, PyMol). The candidate will be responsible for devising and carrying out experimental strategies, presenting data at internal forums and external meetings when appropriate. The successful applicant must be self-motivated, have excellent organization, communication and collaborative skills, and be able to work both independently and as a member of a team.

** 2 yr position with an option for a 3rd yr **

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