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All over the world, Pfizer colleagues are working together to positively impact health for everyone, everywhere. As we continue to develop healthcare products and expand our business globally, we are consistently looking for new talent. We are currently seeking highly qualified candidates to fill this position:

Postdoctoral Fellow, Antibody Structure and Dynamics via NMR United States-Missouri-Saint Louis

The postdoctoral fellow will advance our understanding of solution behavior of antibodies (protein-protein self-association) that leads to protein aggregation and viscosity in highly concentrated biologic drug solutions. The primary responsibility of the candidate will be to implement modern NMR techniques and further develop high-resolution NMR spectroscopy toolbox to investigate large proteins. The individual will develop structural models using sparse NMR data and molecular modeling and help improve the design and/or selection of monoclonal antibody candidates optimal for clinical development. This work will involve collaboration with protein expression/purification scientists & high-field NMR instrumentation facilities.

A Ph.D. in Biophysics, Biochemistry, Chemical Engineering or related fields is required with 1 - 2 years of postdoctoral research experience preferred.

- Expertise in modern NMR pulse programs and processing tools with direct experience in large proteins is desirable.
- Expertise in structure computation using sparse NMR data (RDC/PCS/PRE) and restrained molecular dynamics tools
- Experience in isotopic labeling of proteins (preferably mammalian cells) and protein purification
- Advanced understanding of antibody structure-function.
- Experience in probing protein-protein interactions in relation to aggregation and viscosity.
- Experience in biophysical characterization of proteins.

The successful candidate shall be highly motivated, hardworking, and intellectually productive team player with proven scientific research productivity as demonstrated by publications in high impact journals. Fluency in oral and written English is required. Good inter-personal and communication skills are required.

For more information and to apply please go to www.pfizercareers.com and search for Job ID 1023912.



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