

Postdoctoral Positions in NMR Structural Biology, Columbus Ohio.



THE OHIO STATE UNIVERSITY

Two NIH-funded postdoctoral positions are available immediately (starting January 2017) for NMR studies of protein-protein and protein-nucleic acid interactions. Funded projects involve characterizing interactions between eukaryotic transcription factors and their host and viral binding partners, development of small molecule inhibitors of the protein-protein interactions, and characterizing the role of protein and nucleic acid dynamics in specificity and efficiency of DNA and RNA recognition and processing. Candidates must have a solid publication record in protein biochemistry or biophysics, a strong work ethic, excellent communication skills, the ability to collaborate, and a passion for scientific discovery. Ideal applicants will have experience in one or more of these areas: multidimensional heteronuclear protein or nucleic acid NMR, X-ray crystallography, SAXS, restraint-driven structure determination, recombinant protein expression and purification, ITC, pulsed EPR, FRET, enzyme kinetics, site directed mutagenesis, and programming in MATLAB or Python. Exceptional resources are available to support the projects, including NMR spectrometers operating at 600, 700, 800 and 850 MHz (<http://ccic.ohio-state.edu/>), and the Ohio Supercomputer Center (<https://www.osc.edu/>). The Ohio State University is a comprehensive research institution and represents an excellent environment for multidisciplinary postdoctoral training. The city of Columbus is vibrant, progressive, diverse, and a great place to live; see <https://www.experiencecolumbus.com/>. Qualified candidates should contact Prof. Mark P. Foster, Department of Chemistry and Biochemistry, The Ohio State University, foster.281@osu.edu. To learn more about our research group and the training environment at OSU, visit <http://go.osu.edu/fosterlab>.