

## **Postdoctoral positions in methods development for structural biology**

A postdoctoral training position is available in the [laboratory](#) of [Zbyszek Otwinowski](#), in the [Biophysics Department](#) at UT Southwestern Medical Center. Our laboratory has several exciting projects related to development of computational and experimental methods in cryoEM SPR, 3D electron diffraction, and X-ray crystallography and other data intensive fields. The laboratory has a strong network of collaborators, including experimentalists from the Center for Structural Biology of Infectious Diseases, so the developed methods are tested in a broad range of conditions on non-benchmark samples.

Candidates must hold a Ph.D. and/or M.D. degree. Experience in one or more of the following areas: diffraction methods, electron microscopy, optical hardware development, image and other signal processing, dimensionality reduction methods, data mining approaches, combined with knowledge of one or more programming methodologies (e.g. C/C++, Python, CUDA/GPU programming, complex numerical data analysis, GUI development, 3D graphics etc.) are recommended. Our projects will allow one to expand their expertise in each of the listed directions, and candidates with a strong background in one area will have the opportunity to learn other techniques.

The laboratory is recognized for developing software for X-ray diffraction processing (e.g. Denzo, Scalepack, HKL, HKL2000, HKL3000). In recent years, we expanded our work towards cryoEM please visit [iucr](#) and [biorxiv](#) for our recent work in this area).

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs> .

Interested individuals should send a CV and statement of interests to [zbyszek@work.swmed.edu](mailto:zbyszek@work.swmed.edu).

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