



A postdoc position is immediately available for a highly motivated individual to study the structural mechanisms of integral membrane enzymes, transporters and adhesion molecules that are important therapeutic targets in hematology, immunology, and cardiovascular biology. To support the study, Dr. Weikai Li's lab at Washington University in St. Louis has developed multidisciplinary approaches that combine novel structural biology and mass spectrometry methods with biochemistry and cell biology. Recent publications of the lab include those in *Science*, *Science Adv.*, *EMBO J* and *NSMB*. The lab is well funded by five grants from NIH and other foundations, which can support the entire duration of postdoctoral study (5 yr) and subsequent promotion. More information of the lab can be found at <https://weikailab.wustl.edu>.

Requirements and Responsibilities

The postdoc candidate should have strong publication record and background in structural biology and biochemistry. Previous experience with cryo-EM or membrane proteins is favorably considered. The lab culture encourages free exploration, and the fellow is welcome to develop their own research projects and strategies that are of mutual interest. High degrees of motivation and independency are greatly appreciated. On the other hand, the PI is always available to provide advices.

Research Environment: The Washington University Medical School is top ranked in the US. The Li lab is well established and equipped in the structural biology, mass spectrometry, biochemistry, and cell biology studies of membrane proteins, and has developed novel methods for these studies, such as live cell footprinting (NSMB 2007) and fast structure determination (Sci. Adv. 2020). For cryo-EM, the lab gets regular time (about one week in every two months) in using Washington University's own Titan Krios. Screening and data collection on Glacios 200Kv is readily accessible. Crystallization robots and regular APS time are available for crystallography studies. Close collaboration with Dr. Michael Gross lab affords us extensive access to mass spectrometry analyses.

Please send your CV, the name of three references, and a brief email detailing your research interest to weikai@wustl.edu.

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