**Postdoctoral Research Fellow**  
**Biochemistry and Molecular Biology**  
**Lab of Dr. Zheng Ruan**

A Postdoctoral Fellow position is available in the laboratory of Dr. Zheng Ruan in the Department of Biochemistry & Molecular Biology at Thomas Jefferson University in the Fall of 2023. We are seeking a highly motivated postdoctoral applicant with strong expertise in structural biology, membrane protein biochemistry, biophysics, or a related field. The Ruan lab studies the structural and signaling mechanisms of membrane protein receptors that are critically involved in human health and diseases. Recent publications from the lab include Ruan Z, et al. *PNAS* (2018); Ruan Z, et al. *Nature* (2020a); Ruan Z, et al. *Nature* (2020b); Ruan, Z, et al. *Nat. Struct. Mol. Biol* (2021). The Ruan lab is highly interdisciplinary and integrates structural, biochemical, and computational approaches to study cellular signaling mechanisms. Our cryo-EM studies are supported by the cryo-EM core facility at TJU, which houses a Glacio Cryo-Transmission Electron Microscope (Cryo-TEM) equipped with Falcon 4 Direct Electron Detector.

**Qualifications:**

- Ph.D. or an equivalent degree in structural biology, biochemistry, biophysics, cell biology, or a related field.
- Extensive experience in basic techniques including molecular cloning, cell culture, protein expression and purification.
- Expertise in structural biology, particularly cryo-EM, is not required but highly desirable; prior experience in membrane protein biochemistry or computational structural biology is a plus.
- Candidates should be highly motivated, with good oral communication and written skills in English.
- At least one first author peer-reviewed publication in biochemistry or a related field is required.

To inquire or apply, please send a CV, a statement of research interest, and the names of three professional references.

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