



TSINGHUA ADVANCED INNOVATION FELLOW PROGRAM

The Tsinghua Advanced Innovation Fellow Program is an internationally competitive postdoctoral fellowship program in the newly established Beijing Advanced Innovation Center for Structural Biology (ICSB) at Tsinghua University in Beijing, China. Using its world-class cryo-electron microscopy (cryo-EM) facility, ICSB is developing cutting-edge technologies and methodologies in structural biology using cryo-EM, X-ray

crystallography and biomolecular NMR spectroscopy, among other things. ICSB specializes in biological and biomedical research, as well as working with interdisciplinary teams on technology development. Aimed at highly motivated researchers, this program offers an internationally competitive salary and fringe benefits. We are an equal-opportunity employer. Recruitment is open until the end of 2017.



BEIJING ADVANCED INNOVATION
CENTER FOR STRUCTURAL BIOLOGY
结构生物学高精尖创新中心

Basic requirements

- A PhD in mathematics, chemistry, physics, material sciences, computer sciences, engineering, or biological sciences (structural biology)
- Must be fluent in English with excellent communication skills
- Experience in the following areas are an advantage:
 - ◆ Scientific computing, algorithm design and implementation
 - ◆ C/C++ programming on Windows and Linux operating system, VC++ and QT programming tools, Shell scripting language, parallel computing based on HPC clusters or GPUs
 - ◆ Cryo-EM operation and electron optics
 - ◆ 3D reconstruction algorithms using cryo-EM (single particle or cryo-tomography)
 - ◆ Nanomaterials, surface chemistry, micro-fluidic technique or precise instrument design and processing technology
 - ◆ X-ray crystallography, X-ray diffraction phase retrieval methodology development, electron diffraction analysis and structural analysis
 - ◆ Structural studies of macromolecular molecules

Job type: Full time

Salary: ¥250,000 – ¥350,000 per annum

Contract Type: 4-Year Contract

Accommodation: Dormitory

Education for children: Tsinghua University Affiliated School

Applicants apply to: icsb-hr@biomed.tsinghua.edu.cn

Please specify your interest in the Tsinghua Advanced Innovation Fellow Program and include your Curriculum Vitae, a brief summary of your scientific achievements and a research plan (or Statement of Intended Research). Please also have three reference letters sent directly to ICSB by the referees.

Website: <http://www.icsb.tsinghua.edu.cn/>