



Chinese Academy of Sciences, Institute of Biophysics

Key laboratory of RNA biology

Assistant Investigator Position (bioinformatics only) and Postdoctoral Researcher Position

available in the Laboratory of Dr.Yuanchao Xue
Professor, Institute of Biophysics, CAS, Beijing

- Function of RNA binding proteins in cell fate determination
- The regulatory role of ncRNA in neural stem cells

Applicants should submit the following to ycxue@ibp.ac.cn

- 1) Cover letter stating: laboratory experience in RNA/protein biochemistry or bioinformatics; long-term career goals; date of availability to begin posdoc or assistant researcher.
- 2) Curriculum vitae (including publications and awards/honors)
- 3) List of at least three references

Dr.Xue was trained in the laboratory of Dr.Xiang-Dong Fu at University of California, San Diego (2010-2015), where he documented two suprising neuronal trans-differentiation RNA programs that can directly convert fibroblasts into functional neurons:

- Direct conversion of fibroblasts to neurons by reprogramming PTB-regulated microRNA circuits. **Cell.** 2013 Jan 17; 152(1-2):82-96
- Sequential regulatory loops as key gatekeepers for neuronal reprogramming in human cells. **Nat Neurosci.** 2016 Jun;19(6):807-15.

The Xue lab's immediate research goal is to further delineate the unique functional mechanism of RNA binding protein and ncRNAs in transcriptional regulation during cell fate determination, and understand how these misregulation contribute to human disease.

Institute of Biophysics is a vibrant intelletual community with many cross-disciplinary interactions. Beijing is the capital of the people's republic of china, a delightful and family-friendly city.

