

We are seeking 1 or more postdoctoral fellows to join our laboratory at the Institute of Molecular Physiology of the Shenzhen Bay Laboratory. Our laboratory investigates how RNA modifications regulate gene expression and cellular processes, and how this eventually impacts the progression of various human disorders.

Postdoctoral fellows will take on projects with the following goals:

- (1) Develop technologies to sequence notable RNA modification patterns (epitranscriptomes) at high resolution
- (2) Generate disease-specific epitranscriptomes to facilitate the study of how epitranscriptomic defects contribute to human disorders
- (3) Identify novel epitranscriptomic mechanisms (Writers, Erasers and Readers of RNA modifications) and characterize mechanistically how they regulate gene expression, cellular processes and diseases. Diseases currently under investigation include but are not limited to: colorectal cancer and viral-infectious diseases

Postdoctoral fellows will also work closely with the principal investigator to develop new project ideas relevant to epitranscriptomics and the general field of RNA biology.

Position requirements:

- PhD in Molecular Biology, Cell Biology, Biochemistry, Virology, or other related disciplines
- Interest in pursuing research in epitranscriptomics and RNA biology
- Highly motivated and able to work independently on multiple projects
- Experience with bioinformatics is a plus
- Fluency in written and spoken English is required

Proposed Salary and Benefits:

Salary will commensurate with experience, but is expected to be ~350,000RMB/year (~54,000USD/year) plus standard benefits such as health insurance and social security. The initial appointment will be for two years. Contract extension is available upon mutual agreement. Domestic and foreign Doctors/post-doctors that work in Shenzhen can also apply for the award and subsidy of high-level talents of Shenzhen or Shenzhen Peacock Program, which provides an additional 1.2-2 million RMB monetary award.

To Apply:

Please send your CV (including publication list), a brief cover letter describing suitability for the position and have two or three referees send confidential recommendation letters to shogoh@szbl.ac.cn. Please state "Sho Goh Lab Postdoc Recruitment" in the email subject. International applicants are welcome. Applications will be reviewed on a rolling basis until all positions are filled.

Additional Information:

<https://www.szbl.ac.cn/scientificresearch/researchteam/404.html>

The Sho Goh lab studies how RNA modifications regulate gene expression and cellular processes by developing new technologies to sequence RNA modifications and functionally characterizing novel epitranscriptomic factors that interact with and metabolize RNA modifications. Defects in epitranscriptomic regulation cause a variety of diseases and determining the mechanistic basis that underlie these defects will be crucial for developing effective epitranscriptomic-based therapeutic strategies.

Sho graduated from Cold Spring Harbor Laboratory with a Ph.D. in Biological Science in 2015. In 2017, he established his own independent laboratory, studying epitranscriptomics at the Genome Institute of Singapore. In 2020, he moved his laboratory to Shenzhen Bay Laboratory where he took on the role of tenure-track assistant professor. His work has been published in journals such as Nature Communications, Nucleic Acids Research, Genes & Development, PLoS Computational Biology and Cell.

Shenzhen Bay Laboratory (SZBL) is a newly established institute located in the heart of the China Greater Bay Area. Launched by Peking University and Shenzhen city, SZBL focuses on biomedical research with an initial 5-year budget of 2 billion USD. SZBL aspires to be a world-class research institute and intellectual destination dedicated to understanding the fundamental biology underlying health and diseases while spurring solutions to the grand challenges confronting our world's population and human well-being. The mission of the SZBL is to create a new research model to boost the health sciences and to nurture the innovation-oriented biotechnology industry.