



The Ruan Lab of RNA Metabolism  
@Johns Hopkins All Children's



JOHNS HOPKINS  
SCHOOL of MEDICINE

## Postdoctoral Fellowship

The newly established Ruan Lab at The Johns Hopkins All Children's Institute for Fundamental Biomedical Research (IFBR) is recruiting two postdoctoral research fellows to study RNA metabolism in the context of health and diseases begin in fall 2021.

By taking advantage of a unique humanized liver mouse model, the Ruan Lab's research focuses on studying how RNA metabolism in humans responds to nutrients and stress at the organism level and how dysregulation of these processes causes diseases and aging. The current research projects include:

- (1) Study the molecular mechanisms controlling the activity of our recently identified human lncRNAs associated with cardiometabolic traits. ([PMID: 33048844](#); [PMID: 31896749](#))
- (2) Reveal how the 5' RNA degradation pathway is regulated by overnutrition and explore its role in fatty liver diseases.
- (3) Identify nuclear-enriched lncRNAs that regulate pre-mRNA splicing in the liver and brain and explore their roles in aging.

The Ruan lab is devoted to foster the career success of postdoctoral research fellows. By joining IFBR, the fellows' research will benefit from active collaboration with experts from the institute's Center for Metabolic Origins of Disease and Center for RNA Biology and the rich resource of Johns Hopkins school of medicine. Salary will follow the NIH standard. Located in St. Petersburg, Florida, IFBR will provide fellows a great work/life environment that Tampa Bay can offer.

Successful candidates are expected to hold a Ph.D., M.D., or M.D./Ph.D. degree by July 2021. Previous research experience in RNA biology, animal experiments, and analysis of RNA-seq data is a plus. Please submit your application package, including a cover letter, CV, and contact information of at least three referees to [xruan5@jhmi.edu](mailto:xruan5@jhmi.edu). To learn more about the Ruan Lab, please visit <https://www.theruanlabofnametabolism.org/>.