

# Qian Lin, Ph.D.

Leon Levy Postdoctoral Fellow

Vaziri Laboratory, The Rockefeller University

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## **PROFESSIONAL POSITIONS**

08/2016 – present    Postdoctoral Fellow with Dr. Alipasha Vaziri  
The Rockefeller University, New York, USA

09/2015 – 07/2016    Postdoctoral Researcher with Dr. Alipasha Vaziri  
Research Institute of Molecular Pathology (IMP), Vienna, Austria

Project: Investigate the neural basis underlying decision making at the single-trial, cellular, and whole-brain level by combining calcium imaging with a learning paradigm in larval zebrafish

## **EDUCATION**

08/2011 – 01/2016    **PhD in Neuroscience**, with Dr. Suresh Jesuthasan  
NUS Graduate School for Integrative Sciences and Engineering, National University of Singapore (NUS), Singapore  
Thesis title: Using vertical migration of larval zebrafish to study non-image-forming light processing: opsins, neural circuits, and neuromodulators

09/2007 – 07/2011    **BSc in Biology**  
University of Science and Technology of China (USTC), China  
Thesis title: Density changes of Nodes of Ranvier during regeneration of the retina ganglion cells after injury in adult zebrafish

## **AWARDS / SCHOLARSHIPS**

03/2019 – 05/2021    Leon Levy Fellowship, Leon Levy Foundation, USA

01/2015    Travel Award for NIG Collaborative Research Program, National Institute of Genetics, Japan

08/2011 – 08/2015    NUS NGS Scholarship - For a four-year PhD program, the best graduate scholarship for foreign students, Singapore

2008    USTC Undergraduate Scholarship, China

2007    USTC Freshman Scholarship, China

## **PUBLICATIONS**

**Lin, Q.**, Manley, J., Helmreich, M., Schlumm, F., Li, J.M., Robson, D.N., Engert, F., Schier, A., Nöbauer, T., & Vaziri, A. Cerebellar neurodynamics predict decision timing and outcome on the single-trial level. *Cell* 180, 536–551.e17(2020).

**Lin, Q.** & Jesuthasan, S. Masking of a circadian behavior in larval zebrafish involves the thalamo-habenula pathway. *Scientific Reports* 7, R927 (2017).

Cheng, R. K.\*, Krishnan, S.\*, **Lin, Q.**, Kibat, C. & Jesuthasan, S. Characterization of a thalamic nucleus mediating habenula responses to change in illumination. *BMC Biol.* 15, 104 (2017).

## **GRANTS UNDER REVIEW**

Warren Alpert Distinguished Scholar Award, \$200,000 annually for two years

The nominee of the Rockefeller University in 2021

## **SELECTED PRESENTATIONS**

11/2021	<b>Talk</b> at Edmond and Lily Safra Center for Brain Sciences, The Hebrew University, Israel
11/2021	<b>Talk</b> at Leon Levy Neuroscience Seminar, The Rockefeller University, USA
10/2021	<b>Talk and poster</b> at Janelia Junior Scientist Workshop on Mechanistic Cognitive Neuroscience, HHMI's Janelia Research Campus, USA
09/2021	<b>Talk</b> at SickKids, The Hospital for Sick Children, the University of Toronto, Canada
12/2020	<b>Talk</b> at Leon Levy Fellows in Neuroscience Symposium, NYU Langone Health, USA
09/2020	<b>Talk</b> at the School of Life Sciences, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland
03/2020	<b>Selected talk</b> at Cold Spring Harbor Conference: Neuronal Circuits, USA
01/2020	<b>Talk</b> at Kavli Neural Systems Institute Mini-Symposium, The Rockefeller University,
11/2019	Poster at Cold Spring Harbor Conference: Zebrafish Neural Circuits & Behavior, USA
06/2015	<b>Selected talk</b> at the 9th European Zebrafish Meeting, Oslo, Norway
05/2014	<b>Selected talk</b> at Cold Spring Harbor-Asia Conference: Neural Circuit Basis of Behavior and Its Disorders, Suzhou, China

## **TEACHING EXPERIENCE**

01/2018 – 10/2019	<b>Research supervision</b> on a Ph.D. student with a physics background, for zebrafish brain and behavioral recordings, The Rockefeller University, USA
09/2014	<b>Graduate teaching assistant</b> for General Biology, NUS, Singapore Responsibility: teach 12 lab sessions on Microscopy
11/2013 – 01/2014	<b>Research supervision</b> on 3 <i>female</i> junior college students from A*STAR-MOE Students Attachment Program, Singapore Research topic: Role of the habenula in the ultraviolet-induced aversive behavior of larval zebrafish
07/2013	<b>Teaching assistant</b> for the STEP-NUS Brain Camp Workshop, Singapore
07/2012	<b>Teaching assistant</b> for the STEP-NUS Brain Camp Workshop, Singapore This workshop invites ~100 students each year from Southeast Asian countries, with various backgrounds of <i>religions, races, and classes</i> . Responsibilities: prepare and teach lab sessions; advise students writing a book chapter on fear

## **OTHER ACTIVITIES**

2021	<b>Reviewer</b> for <i>Journal of Neuroscience Research</i> , <i>Nature Communications</i>
2012	<b>Volunteer</b> in Singapore Science Festival, demonstrate video games built on an eye-tracking device and introduce the related neurosciences

## **REFEREES**

**Alipasha Vaziri**, PhD ([vaziri@mail.rockefeller.edu](mailto:vaziri@mail.rockefeller.edu))

Associate Director, Kavli Neural Systems Institute

Professor and Head, Laboratory of Neurotechnology & Biophysics, The Rockefeller University

**Misha Ahrens**, PhD ([ahrensm@janelia.hhmi.org](mailto:ahrensm@janelia.hhmi.org))

Group leader, Janelia Research Campus, Howard Hughes Medical Institute

**Suresh Jesuthasan**, PhD ([sureshj@ntu.edu.sg](mailto:sureshj@ntu.edu.sg))

Associate Professor and Principal Investigator, Brain States and Behaviour Laboratory

Lee Kong Chian School of Medicine, Nanyang Technological University