Qian Lin, Ph.D.

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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

02/2022	**Talk** at HHMI's Janelia Research Campus, USA
02/2022	**Talk** at Department of Neurobiology and Behavior, Stony Brook University, USA
01/2022	**Talk** at Department of Cell & Systems Biology, University of Toronto, Canada
11/2021	**Talk** at Edmond and Lily Safra Center for Brain Sciences, The Hebrew University, Israel
11/2021	**Talk** at Leon Levy Neuroscience Seminar, The Rockefeller University, USA
10/2021	**Talk** and **poster** at Janelia Junior Scientist Workshop on Mechanistic Cognitive Neuroscience, HHMI's Janelia Research Campus, USA
09/2021	**Talk** at SickKids, The Hospital for Sick Children, the University of Toronto, Canada
12/2020	**Talk** at Leon Levy Fellows in Neuroscience Symposium, NYU Langone Health, USA
09/2020	**Talk** at the School of Life Sciences, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland
03/2020	**Selected talk** at Cold Spring Harbor Conference: Neuronal Circuits, USA
01/2020	**Talk** 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	**Selected talk** at the 9th European Zebrafish Meeting, Oslo, Norway
05/2014	**Selected talk** at Cold Spring Harbor-Asia Conference: Neural Circuit Basis of Behavior and Its Disorders, Suzhou, China

TEACHING EXPERIENCE

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

OTHER ACTIVITIES

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