

Yunlu Zhu, Ph.D.

Leon Levy Neuroscience Fellow

Neuroscience Institute, NYU Grossman School of Medicine
435 E 30th St., SB1123R, New York, NY 10016, USA
Email: yunluzhu.g@gmail.com | yunlu.zhu@nyulangone.org

Education

Ph.D. in Biology: Developmental Biology & Neuroscience <i>University of Virginia, VA</i>	2013 – 2019
B.S. in Life Sciences: Cell Biology <i>University of Science and Technology of China, Anhui, China</i>	2009 – 2013

Publications

Journal Articles

1. Zhu, Y., Auer, F., Ehrlich D.E., Schoppik D. (2022), Apparatus to record posture and vertical locomotion in zebrafish. *In preparation*
2. Arena, K., Zhu, Y., Kucenas, S. (2022), Transforming growth factor-beta signaling modulates perineurial glial bridging following peripheral spinal motor nerve injury in zebrafish. *Glia*
3. Zhu, Y., Crowley, S.C., Latimer, A.J., Lewis, G.M., Nash, R., Kucenas, S. (2019), Migratory Neural Crest Cells Phagocytose Dead Cells in the Developing Nervous System. *Cell*
4. Morioka, S., Perry, S.A.J., Raymond, M.H., Medina, C.B., Zhu, Y., Zhao, L., Sebulea, V., Onengut, S., Leitinger, N., Kucenas, S., Rathmell, J.C., Makowski, L., Ravichandran, K.S. (2018), Efferocytosis induces a novel SLC program to promote glucose uptake and lactate release. *Nature*
5. Zhao, H., Zhu, L., Zhu, Y., Cao, J., Li, S., Huang, Q., Xu, T., Huang X., Yan, X., Zhu, X. (2013), The Cep63 paralogue Deup1 enables massive de novo centriole biogenesis for vertebrate multiciliogenesis. *Nature Cell Biology*

Book Chapters & Invited Contributions

1. Zhu, Y., Hamling, K.R., Schoppik, D. (2020), Chapter 6.25: Vestibulospinal Circuits and Posture Control Mechanisms in Fish. *The Senses (Second Edition)*
2. Micrographs: Garrett, R.H., Grisham, C.M. (2016), Chapter 12: Recombinant DNA, Cloning, Chimeric Genes, and Synthetic Biology. *Biochemistry (Sixth Edition)*

Grants & Awards

1. 30th Rainwater Tau Leadership Award <i>The Rainwater Charitable Foundation, Fort Worth, TX</i>	2022
2. Leon Levy Fellowship in Neuroscience <i>The Leon Levy Foundation, New York, NY</i>	2020
3. Outstanding PhD Dissertation Award (The Fleming Prize) <i>Department of Biology, University of Virginia, VA</i>	2020

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| 4. The Dent Award | 2020 |
| <i>Department of Biology, University of Virginia, VA</i> | |
| 5. UVA Brain Grant | 2017, 2019 |
| <i>Brain Institute, University of Virginia, VA</i> | |
| 6. (Britt) Travel Award | 2016, 2017, 2019 |
| <i>Graduate Student and Post-Doc Association, University of Virginia, VA</i> | |

Selected Conference Talks

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| 1. 14th meeting of the Zebrafish Disease Models Society (ZDM14) | 2021 |
| <i>Virtual</i> | |
| 2. Mid-Atlantic Regional Zebrafish Meeting (MARZ) | 2019 |
| <i>University of Maryland School of Medicine, Baltimore, MD</i> | |
| 3. Gordon Research Seminar (GRS): Glial Biology | 2019 |
| <i>Ventura, CA</i> | |
| 4. Cold Spring Harbor Laboratory (CSHL): Glia in Health & Disease | 2018 |
| <i>Cold Spring Harbor, NY</i> | |
| 5. International Zebrafish Conference (IZFC) | 2018 |
| <i>University of Wisconsin-Madison, Madison, WI</i> | |
| 6. Mid-Atlantic Regional Zebrafish Meeting (MARZ) | 2016 |
| <i>National Institutes of Health, Bethesda, MD</i> | |

Selected Poster Presentations

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| • Society for Neuroscience (SFN) Annual Meeting: Neuroscience 2021 | 2021 |
| <i>Virtual</i> | |
| • American Society for Neurochemistry (ASN) Annual Meeting | 2021, 2016 |
| <i>Virtual / Denver, CO</i> | |
| • International Zebrafish Conference (IZFC) | 2021, 2018, 2016 |
| <i>Virtual / Madison, WI / Denver, CO</i> | |
| • Cold Spring Harbor Laboratory (CSHL): Zebrafish Neural Circuits & Behavior | 2019 |
| <i>Cold Spring Harbor, NY</i> | |
| • Gordon Research Conference (GRC): Glial Biology | 2019, 2017 |
| <i>Ventura, CA</i> | |
| • Mid-Atlantic Regional Society for Developmental Biology Meeting (MASDB) | 2018 |
| <i>University of Virginia, Charlottesville, VA.</i> | |
| • Cold Spring Harbor Laboratory (CSHL): Glia in Health & Disease | 2019, 2018 |
| <i>Cold Spring Harbor, NY</i> | |
| • Mid-Atlantic Regional Zebrafish (MARZ) Meeting | 2017, 2015 |
| <i>NYU School of Medicine, NY / Johns Hopkins University, Baltimore, MD</i> | |

Research Experience

Rainwater Tau Leadership Fellow	01/2021 – Present
Leon Levy Neuroscience Fellow	06/2020 – Present
Post-doctoral Fellow	10/2019 – Present
Supervisor: Dr. David Schoppik	
<i>Neuroscience Institute, NYU Grossman School of Medicine, NY</i>	
Doctoral Researcher	08/2013 – 09/2019
Supervisor: Dr. Sarah Kucenas	
<i>Department of Biology, University of Virginia, VA</i>	
Undergraduate Research Assistant	08/2012 – 06/2013
<i>Institute of Biochemistry and Cell Biology, Shanghai, China</i>	

Teaching & Advising

Postdoc Mentor	2021 – Present
<i>Neuroscience Institute, NYU Grossman School of Medicine, NY</i>	
Graduate Mentor	2015 – 2019
<i>Department of Biology, University of Virginia, VA</i>	
Lecturer, Lab Leader & Teaching Assistant	Spring 2014, Spring 2015 & Fall 2015
<i>Department of Biology, University of Virginia, VA</i>	

Academic & Leadership Services

Leon Levy Mini-symposium	08/2021
Organizer, Host	
<i>Virtual</i>	
Neuroscience Outreach Group at NYU Immersive Neuroscience Program	07/2021
Assistant Lecturer	
<i>Virtual</i>	
Intersections Science Fellows Symposium	01/2021
Organizer - Programming Committee	
<i>Virtual</i>	
Neuroscience Guest Lecture and Workshop	07/2020
Assistant Lecturer	
<i>Columbia Pre-college Summer Immersion Program, NY</i>	
Science Class at Elementary School	12/2018
Invited Lecturer	
<i>Woodbrook Elementary School, VA</i>	
Biology Lab Workshop	12/2016, 12/2017
Lecturer	
<i>Thomas Harrison Middle School STEM, VA</i>	