SUEWEI LIN, Ph.D.

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Education

AUG 2011	PhD in Neuroscience University of Massachusetts Medical School, USA.
JUN 2004	MSc in Genetics National Yang-Ming University, Taiwan.
JUN 2002	BSc in Life Science National Yang-Ming University, Taiwan.

Academia work experience

2018/1-present	Adjunct Assistant Professor. Department of Life Sciences and the Institute of Genome Sciences, National Yang-Ming University, Taiwan.
2015/11-present	Assistant Research Fellow. Institute of Molecular Biology, Academia Sinica, Taiwan.
2015/3-2015/9	EMBO Advanced Fellow with Prof. Scott Waddell in the Centre for Neural Circuits and Behaviour at the University of Oxford, UK.
2012/3-2015/9	James Martin Fellow and Long-Term EMBO Fellow (since March 2013) with Prof. Scott Waddell in the Centre for Neural Circuits and Behaviour at the University of Oxford, UK.
2011/9-2011/12	Postdoctoral fellow with Dr. Tzumin Lee in Howard Hughes Medical Institute, Janelia Farm Research Campus, USA.
2005-2006	Research Associate with Dr. Tzumin Lee in University of Massachusetts Medical School, USA.

Publications

1. **Lin S**, Senapati B, Tsao CH. Neural basis of hunger-driven behavior in Drosophila. (2019 Mar) Open Biology 9(3):180259.
2. Tsao CH, Chen CC, Lin CH, Yang HY, **Lin S**. (2018 Mar) Drosophila mushroom bodies integrate hunger and satiety signals to control innate food-seeking behavior. eLife 7:e35264.

3. Felsenberg J, Barnstedt O, Cognigni P, **Lin S**, Waddell S. (2017 Apr) Re-evaluation of learned information in Drosophila. Nature 544(7649):240-244.

4. Das G, **Lin S**, Waddell S. (2016 Feb) Remembering Components of Food in Drosophila. Front Integr Neurosci. 19;10:4.

5. Owald D, **Lin S**, Waddell S. (2015) Light, heat, action: neural control of fruit fly behaviour. Phials Trans R Soc Lond B Biol Sci. 379(1677): 20140211.

6. Huetteroth W, Perisse E, **Lin S**, Klappenback M, Burke C, Waddell S. (2015) Sweet taste and nutrient value subdivide rewarding dopaminergic neurons in Drosophila. Curr Biol 25(6):751-758.

7. **Lin S**, Owald D, Chandra V, Talbot C, Huetteroth W, Waddell S. (2014) Neural correlates of water reward in thirsty Drosophila. Nat Neurosci 17:1536-1542.

8. **Lin S**, Marin EC, Yang CP, Kao CF, Apenteng BA, Huang Y, O'Connor MB, Truman JW, Lee T. (2013) Extremes of Lineage Plasticity in the Drosophila Brain. Curr Biol 23:1908-1913.

9. Perisse E, Yin Y, Lin AC, **Lin S**, Huetteroth W, Waddell S. (2013) Different kenyon cell populations drive learned approach and avoidance in Drosophila. Neuron 79:945-956.

10. **Lin S**, Kao CF, Yu HH, Huang Y, Lee T. (2012) Lineage analysis of Drosophila lateral antennal lobe neurons reveals Notch-dependent binary temporal fate decisions. PLoS Biol 10(11): e1001425.

11. **Lin S**, Lee T. (2012) Generating neuronal diversity in the Drosophila central nervous system. Dev Dyn 241:57-68.

12. **Lin S**, Lai SL, Yu HH, Chihara T, Luo L, Lee T. (2010) Lineage-specific effects of Notch/Numb signaling in post-embryonic development of the Drosophila brain. Development 137:43-51.

13. **Lin S**, Huang Y, Lee T. (2009) Nuclear receptor Unfulfilled regulates axonal guidance and cell identity of Drosophila mushroom body neurons. PLoS One 4:e8392.

14. Chen YC, **Lin S**, Chen YK, Chiang CS, Liaw GJ. (2009) The torso signaling pathway modulates a dual transcriptional switch to regulate tailless expression. Nucleic Acid Res 37:1061-1072.

15. Lei S*, **Lin S***, Grinberg Y, Beck Y, Grozinger CM, Robinson GE, Lee T. (2007) Roles of Drosophila Kruppel-homolog 1 in neuronal morphogenesis. Dev Neurobiol 67:1614-1626. (*equal contribution)

16. Zhu S, **Lin S**, Kao CF, Awasaki T, Chiang AS, Lee T. (2006) Gradients of the Drosophila Chinmo BTB-zinc finger protein govern neuronal temporal identity. Cell 127:409-422.

17. Wang J, Lee CH, **Lin S**, Lee T. (2006) Steroid hormone-dependent transformation of polyhomeotic mutant neurons in the Drosophila brain. Development 133:1231-1240.

Grants and fellowships

1. MOST grant (107-2311-B-001-042-MY3). Investigating the assembly of a memory circuit in Drosophila, 2018/8-2021/7.

2. AS Seed Grant for Grand Challenges in Neuroscience Research (GBA-107-TP-115-06), “Making sense of time in Drosophila,” 2018-2019.

3. AS Thematic Grant (AS-107-TP-L08-3), “Functions of pregnenolone derivatives on memory and neurodegeneration in Drosophila,” 2018-2021.

4. 科技部優秀年輕學者研究計畫 (105-2628-B-001-005-MY3). Neural Mechanisms of thirst-driven water seeking in Drosophila. 2016/8-2019/7.

1. EMBO Advanced Fellowship (aALTF 1674-2014; one of the five awardees in 2014). 2015-2017.

2. EPA Cephalosporin Junior Research Fellowship at Linacre College, University of Oxford. 2014-2016.

3. EMBO Long-Term Fellowship (ALTF 1270-2012). 2013-2015.

4. James Martin Fellowship, Oxford Martin School, University of Oxford. 2012-2015.

Awards and honours

1. Young Scholar Innovation Award (年青學者創新獎) from Foundation For The Advancement of Outstanding Scholarship (傑出人才基金會), 2019.

2. Recommended by Academia Sinica as a Future Leader to attend STS forum in Kyoto Japan. OCT 6-9, 2018.

3. Dean’s Award for outstanding achievement in the core curriculum, University of Massachusetts Medical School, USA. 2008.

4. Best Poster Award. National Yang-Ming University Academic Poster Competition, Taipei, Taiwan. 2004.

5. President’s Award for outstanding achievement in the core curriculum, National Yang-Ming University, Taiwan. 2003.

6. Best Poster Award. National Yang-Ming University Academic Poster Competition, Taipei, Taiwan. 2002.

7. President’s Award for outstanding achievement in the core curriculum, National Yang-Ming University, Taiwan. 2002.