

Chun-Hao Chen, Ph.D.

Institute of Molecular and Cellular Biology, National Taiwan University

No.1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan

Telephone: +886-2-33662482

Email: chunhaochen@ntu.edu.tw

POSITION

Assistant Professor, Institute of Molecular and Cellular Biology, National Taiwan University 2020/present

EDUCATION

National Taiwan University, Taipei, Taiwan 2010/2015

College of Medicine, Institute of Molecular Medicine, Ph.D.

Supervisor: Chun-Liang Pan, M.D., Ph.D.

National Cheng Kung University, Tainan, Taiwan 2008/2010

College of Medicine, Department of Biochemistry and Molecular Biology, Master

Supervisor: Woei-Jer Chuang, Ph.D.

National Changhua University of Education, Changhau, Taiwan 2004/2008

Department of Biology, Bachelor

RESEARCH EXPERIENCE

Biology and Biological Engineering Postdoctoral fellow, California Institute of Technology. 2018/2020

Supervisor: Paul Sternberg, Ph.D. at Division of Biology and Biological engineering

Postdoctoral fellow, College of Medicine, National Taiwan University. 2016/2018

Supervisor: Chun-Liang Pan, M.D, Ph.D. at Institute of Molecular Medicine

MENTORING EXPERIENCE

Tse-Yu Chen, master student (2020)

Rui-Tsung Chen, master student (2020)

Jen-Wei Weng, master student (2020)

Albert Lee, undergraduate researcher, National Taiwan University (2012).

Hongrui Liu, summer undergraduate researcher, Tsinghua University (2019).

PUBLICATIONS

Chen CH, Hsu HW, Chang YH, Pan CL. (2019) Adhesive L1-Robo Signaling Aligns Growth Cone F-actin Dynamics to Promote Axon-dendrite Fasciculation. **Developmental Cell**. 48(2):215-228

He CW, Liao CP, Chen CK, Teuliere J, **Chen CH**, and Pan CL. (2018) The Polarity Protein VANG-1 Antagonizes Wnt Signaling by Facilitating Frizzled Endocytosis. **Development**. 145(24)

Chen CH, He CW, Liao CP, Pan CL. (2017) A Wnt-Planar Polarity Pathway Instructs Neurite Branching by Restricting F-Actin Assembly through Endosomal Signaling. **PLOS Genet**. 13: e1006720

Chen YC, Chen HJ, Tseng WC, Hsu JM, Huang TT, **Chen CH**, Pan CL. (2016). A C. elegans Thermosensory Circuit Regulates Longevity through *crh-1*/CREB-Dependent *flp-6* Neuropeptide Signaling. **Developmental Cell**. 39: 209-223.

Chen CH, Lee A, Liao CP, Liu YW, Pan CL., (2014) RHGF-1/PDZ-RhoGEF and Retrograde DLK-1 Signaling Drive Neuronal Remodeling on Microtubule Disassembly. **Proc Natl Acad Sci U S A**. 111:16568-73.

Hsu JM*, **Chen CH***, Chen YC, McDonald KL, Gurling M, Lee A, Garriga G, Pan CL. (2014) Genetic Analysis of a Novel Tubulin Mutation that Redirects Synaptic Vesicle Targeting and Causes Neurite Degeneration in *C. elegans*. **PLoS Genet.** 10:e1004715. *equal contribution

Chen CH, Chen YC, Jiang HC, Chen CK, Pan CL. (2013) Neuronal Aging: Learning from *C. elegans*. **J Mol Signal.** 8:14. (Invited Review)

Pan CL, Peng CY, **Chen CH**, McIntire S. (2011) Genetic Analysis of Age-dependent Defects of the *Caenorhabditis elegans* touch receptor neurons. **Proc Natl Acad Sci U S A.** 108:9274-9.

Tsai KW, Chang SJ, Wu HJ, Shih HY, **Chen CH**, Lee CY. (2008) Molecular Cloning and Differential Expression Pattern of Two Structural Variants of the Crustacean Hyperglycemic Hormone Family from the Mud Crab *Scylla olivacea*. **Gen Comp Endocrinol.** 159(1):16-25.

HONOR

Taiwan MOST Young Scholar Fellowship (2020)

Biology and Biological Engineering Postdoctoral Fellowship, Caltech (2019)

Selected in Peer Review Training Program, Genetics Society of America (2019)

The Postdoctoral Research Aboard Program, MOST (Taiwan) postdoctoral fellowship (2018)

Lindau Nobel Prize Laureate Meeting and the Post-meeting event at Max Planck Institute (2018)

Graduate Student Publication Award, College of Medicine, NTU (2017)

Wang Ming-Ning Award (Outstanding Ph.D. thesis) (2016)

Graduate Student Publication Award, College of Medicine, NTU (2015)

Superior Quality Prize in thesis competition of College of Medicine, NCKU (2010)