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Associate Research Fellow

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EDUCATION

- 2003 Ph.D. Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan, R.O.C. (Dr. Cheng-Ting Chien)
- 1993 M.S. Institute of Genetics, National Yang Ming University, Taipei, Taiwan, R.O.C. (Dr. Sheng Wang-Wuu)
- 1991 B.S. School of Nursing, National Yang Ming University, Taipei, Taiwan, R.O.C.

POST-GRADUATE TRAINING

- 2009-2011 Basic Life Science Research Associate, Department of Biology, Stanford University, Stanford, CA, USA (Dr. Liqun Luo)
- 2004-2009 Postdoctoral Fellow, Department of Biology, Stanford University, Stanford, CA, USA (Dr. Liqun Luo)
- 2003-2004 Postdoctoral Fellow, Institute of Molecular Biology, Academia Sinica, Taiwan, R.O.C. (Dr. Cheng-Ting Chien)

ACADEMIC APPOINTMENTS

- 04/2019-present Associate Research Fellow, Institute of Cellular and Organismic Biology, Academia Sinica
- 08/2011-04/2019 Assistant Research Fellow, Institute of Cellular and Organismic Biology, Academia Sinica
- 08/2011-present Member, Neuroscience Program in Academia Sinica, Academia Sinica
- 08/2020-present Adjunct Associate Professor, Genome and Systems Biology Degree Program, National
- 08/2015-07/2020 Adjunct Assistant Professor, Genome and Systems Biology Degree Program, National Taiwan University
- 08/2012-present Adjunct Assistant Professor, Institute of Life Sciences, National Defense Medical Center

HONORS AND AWARDS

- 2022 EMBO Travel grant
- 2022 Selected speaker, EMBO workshop: Molecular and Developmental Biology of *Drosophila*. Kolymbari, Crete, Greece.
- 2020 Invited speaker, The first Asia-Pacific Computational and Cognitive Neuroscience (AP-CNN) conference, Hsin-Chu, Taiwan.
- 2020 Selected speaker, 2020 Virtual Crete Workshop on Molecular & Developmental Biology of *Drosophila* (original Crete meeting)
- 2019- Editorial board, Journal of Neurogenetics
- 2019 Invited speaker, The second Asia Pacific *Drosophila* Neuroscience Conference, Taipei, Taiwan
- 2016 Invited speaker, 10th FENS Forum of Neuroscience, Copenhagen, Denmark.
- 2016 Selected as eLife early-career reviewer
- 2015 Selected Speaker, Gordon Research Conference: Modulation of Neural Circuits & Behavior, Hong Kong, China.

- 2015 EMBO Travel grant
- 2013 Career Development Award (Academia Sinica)
- 2012 Initial Employment Academic Research Grants (Academia Sinica)
- 2003 Chien-Tien Hsu Outstanding Graduate Dissertation Award (The Chinese Society of Cell and Molecular Biology)
- 2003 Outstanding Students Conference Travel Grant (Foundation for the Advancement of Outstanding Scholarship)
- 1993 Albert Ly-Young Shen Medical Scholarship (Albert Ly-Young Shen Memorial Foundation for Medical Education)

MEMBERSHIPS

- 2020-present member of the Taiwanese Society for Computational Neuroscience
- 2014-present member of the Taiwanese Society of Developmental Biology
- 2012-present member of the Neuroscience Society of Taiwan
- 2011-present member of the Society for Neuroscience
- 2003-2004 member of the Chinese Society of Cell and Molecular Biology
- 2002-2003 member of the Genetics Society of American

EDITORIAL DUTIES

Editorial board member

07/2019-present Journal of Neurogenetics

Ad hoc journal reviewer

(Since 2011.08)

Cellular and Molecular Life Sciences
 Developmental Biology
 Developmental Neurobiology
 Genes and Genetic Systems
 Genes Brains and Behavior
 Insects
 Journal of Biomedical Sciences
 Journal of Neurogenetics
 Nature Communications
 PLoS Genetics
 PLoS One
 Scientific Reports

(Before 2011.08)

Cell
 Current Biology
 Genesis
 Journal of Comparative Neurobiology
 Journal of Neuroscience
 Nature Neuroscience
 Neuron

Ad hoc grant reviewer

- 2022 General Research Project Study Section: Life Sciences/Basic Biology, Minister of Science and Technology, Taiwan, R.O.C.
- 2021 General Research Project Study Section: Life Sciences/Basic Biology, Minister of Science and Technology, Taiwan, R.O.C.
- 2020 General Research Project Study Section: Life Sciences/Basic Biology, Minister of Science and Technology, Taiwan, R.O.C.
- 2018 Research proposals of PR: Life Sciences, Minister of Science and Technology, Taiwan, R.O.C.
- 2018 National Taiwan University and Academia Sinica Innovative Joint Program, Academia Sinica, Taiwan, R.O.C.

- 2017 TIGP Student Conference Travel Grant, Taiwan International Graduate Program, Academia Sinica, Taiwan, R.O.C.
- 2016 Research Project for Newly-recruited Personnel: Life Sciences, Minister of Science and Technology, Taiwan, R.O.C.
- 2016 General Research Project Study Section: Life Sciences/Neurology/Neurosurgery, Minister of Science and Technology, Taiwan, R.O.C.

PRESENTATIONS

Oral presentations and lectures (International meetings and seminars)

- 2022.06.22 EMBO workshop: Molecular and Developmental Biology of *Drosophila*. Kolymbari, Crete, Greece.
- 2020.09.26 The first Asia-Pacific Computational and Cognitive Neuroscience (AP-CNN) conference, Hsin-Chu, Taiwan. (Invited)
- 2020.06.24 2020 Virtual Crete Workshop on Molecular & Developmental Biology of *Drosophila*
- 2019.04.12 EMBO/EMBL Symposium: Probing Neural Dynamics with Behavior Genetics, Heidelberg, Germany.
- 2019.01.19 The second Asia Pacific *Drosophila* Neuroscience Conference, Taipei, Taiwan. (Invited)
- 2018.09.26 National Institute for Basic Biology, Aichi, Japan.
- 2016.08.11 Jiujiang International *Drosophila* Conference, Jiujiang, JiangXi, China
- 2016.07.04 10th FENS Forum of Neuroscience, Copenhagen, Denmark. (Invited)
- 2015.10.05 Columbia University, Department of Physiology and Cellular Biophysics, New York, USA. (Invited)
- 2015.09.14 International Summer Camp and Symposium, Toyo University, Japan. (Invited)
- 2015.06.22 Gordon Research Conference: Modulation of Neural Circuits & Behavior, Hong Kong, China
- 2014.12.09 The 2nd Taiwan-Tohoku University Neuroscience Workshop for Young Scientists, Miyagi, Japan. (Invited)
- 2013.07.21 14th SCBA International Symposium, Xi'An, China (Invited)
- 2012.04.13 NCTS April Workshop on Critical Phenomena and Complex Systems, Institute of Physics, Academia Sinica, Taipei, Taiwan, R.O.C. (Invited)
- 2011.11.29 Franco-Taiwanese Symposium on Neurobiology, Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France
- 2011.02.27 Boston University, Department of Biology, Boston, MA, USA. (Invited)
- 2002.11.04 4th Asian-Pacific Organization for Cell Biology Congress, Taipei, Taiwan, R.O.C.
- 2002.06.16 2nd Global Chinese Ophthalmic Conference, Taipei, Taiwan, R.O.C.

Oral presentations and lectures (Taiwan meetings and seminars, Stanford meetings)

- 2020.09.13 TSfN 2020: Interdisciplinary Neuroscience Congress, Taipei, Taiwan.
- 2019.10.26 Local fly meeting, National Cheng Kung University, Tainan City, Taiwan, R.O.C.
- 2019.04.24 AS-NIH-TMU Joint Neuroscience Symposium, The Great Roots Forestry Spa Resort, New Taipei City, Taiwan, R.O.C. (Invited)
- 2019.04.20 Local fly meeting, National Central University, Taoyuan City, Taiwan, R.O.C.
- 2018.09.05 National Taiwan University, Developmental Biology and Regenerative Medicine, Taipei, Taiwan, R.O.C. (Invited)
- 2017.07.26 *Drosophila* Neurobiology, Neuroscience Program in Academia Sinica, Academia Sinica, Taipei, Taiwan, R.O.C. (Invited)
- 2017.04.14 Challenges in Neuroscience Conference, National Center for Theoretical Sciences, Hsinchu, Taiwan, R.O.C. (Invited)
- 2016.10.04 National Central University, Department of Life Sciences, Taoyuan City, Taiwan, R.O.C. (Invited)
- 2016.05.12 National Taiwan Ocean University, College of Life Sciences, Keelung, Taiwan, R.O.C. (Invited)
- 2014.02.22 2014 Annual Symposium on Brain and Mind Sciences, Taipei, Taiwan, R.O.C. (Invited)

- 2012.09.22 10th Annual Meeting of Taiwan Neuroscience Society, Taipei, Taiwan, R.O.C. (Invited)
- 2012.09.14 National Taiwan University, Institute of Zoology, Taipei, Taiwan, R.O.C. (Invited)
- 2012.08.17 Local fly meeting, Academia Sinica, Taipei, Taiwan, R.O.C.
- 2012.02.22 Neuroscience Program in Academia Sinica, Academia Sinica, Taipei, Taiwan, R.O.C. (Invited)
- 2011.11.24 National Taiwan Normal University, Department of Life Science, Taipei, Taiwan, R.O.C. (Invited)
- 2011.11.11 National Defense Medical Center, Department and Graduate Institute of Microbiology and Immunology, Taipei, Taiwan, R.O.C. (Invited)
- 2011.05.09 Academia Sinica, Institute of Cellular and Organismic Biology, Taipei, Taiwan, R.O.C. (Invited)
- 2011.02.17 National Yang Ming University, Institute of Physiology, Taipei, Taiwan, R.O.C. (Invited)
- 2011.01.26 Academia Sinica, Institute of Molecular Biology, Taipei, Taiwan, R.O.C. (Invited)
- 2011.01.24 National Tsing Hua University, Institute of Systems Neuroscience, Hsinchu, Taiwan, R.O.C.
- 2011.03.10 Neurobiology Lab Evening, Stanford, U.S.A.
- 2009.12.05 Stanford Synaptic Circuit Club, Stanford, U.S.A.
- 2009.11.21 Stanford Neuroscience Joint Meeting, Stanford, U.S.A.
- 2008.09.15 Stanford University, Developmental Biology Annual Retreat, Monterey, U.S.A.
- 2007.06.06 Academia Sinica, Institute of Molecular Biology, Taipei, Taiwan, R.O.C.
- 2007.04.07 Stanford University, Department of Biology, Stanford, U.S.A.
- 2003.01.20 The 11st Symposium on Recent Advances in Cellular and Molecular Biology, Kenting, Taiwan, R.O.C.

ORGANIZING/CHAIRING SYMPOSIA/WORKSHOP

- 2020 The first Asia-Pacific Computational and Cognitive Neuroscience (AP-CNN) conference. Sep. 26-Sep. 27, 2020. Hsin-Chu, Taiwan. (Session chair)
- 2019 The second Asia-Pacific Drosophila Neuroscience Conference. Jan. 16-20, 2019. Taipei, Taiwan. (Session chair)
- 2014 The 2nd Taiwan-Tohoku University Neuroscience Workshop for Young Scientists, the brain in function and malfunction: a neurogenetic approach. Dec. 7-Dec. 11., 2014 Miyagi, Japan. (Organizer, session chair)

TEACHING and EDUCATIONAL EXPERIENCE

Graduate programs

- Genome and Systems Biology Degree Program, National Taiwan University (GSB)
- Taiwan International Graduate Program/Interdisciplinary Neuroscience (TIGP-INS)
- Taiwan International Graduate Program/Molecular and Cell Biology (TIGP-MCB)
- Graduate Institute of Life Sciences, National Defense Medical Center

Courses taught

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| 2022-present | Thesis Writing (TIGP-INS) | Co-coach |
| 2019-present | Advance Animal Biology (8016) (TIGP-MBAS) | Lecturer |
| 2013-present | Summer Workshop on <i>Drosophila</i> Genetics (Fly Core-Taiwan) | Lecturer |
| 2013-present | Experimental Approaches in Molecular and Cell Biology (TIGP-MCB) | Lecturer |
| 2012-present | Introduction of Research Techniques in Neuroscience (TIGP-INS, TIGP-MCB) | Course organizer, Lecturer |
| 2012-present | TIGP-MCB Seminar (TIGP-MCB) | Course co-organizer, Discussion mentor |
| 2017-2020 | Topics and Seminars in Genome and System Biology (GSB) | Discussion mentor, Lecturer, Course |

		co-organizer
2014, 2021	Neuroscience seminar II (TIGP-INS)	Discussion mentor
2013-2015	Introduction to Neuroscience (TIGP-INS)	Lecturer
2013-2015	Introduction to Neuroscience-Seminar (TIGP-INS)	Discussion mentor
2013-2014	Developmental Biology-Web Course (NTU open course)	Unit coordinator, Lecturer
2012-2014	Molecular Neuropathology (Dept. of Life Sciences, NTU)	Lecture
2012-2014	Special Topics in Cellular and Organismic Biology (ICOB-NTU)	Lecturer
2012	Basic Neuroscience (NPAS Summer Internship 2012)	Lecturer

Public Lectures

2018.10.27	2018 Academia Sinica Open House, Taipei, Taiwan, R.O.C. The lesson from little flies: exploring neural circuits
2012.10.27	2012 Academia Sinica Open House, Taipei, Taiwan, R.O.C. Will a fly get old?

Postdoctoral Fellow mentorship

2021.02-present	Viet-Dai Dang, Ph.D. * Awardee of 2022 Regular Postdoctoral Scholar at Academia Sinica
2014.08-2019.10	Kuo-Ting Tsai, Ph.D. Assistant Professor, Feng Chia University * Delegate of Global Young Scientist Summit 2017 (Singapore) * Awardee of 2018 Regular Postdoctoral Scholar at Academia Sinica

Graduate student mentorship

2020.08-present	Hao-Hsin Chang	(PhD student, TIGP-MCB, Taiwan)
2021.05-2022.07	Hsuan-Wei Shen	(Master student, Applied Mathematics, Feng Chia U., Taiwan) (Co-advisor: Tsai-Yu Lin)

Graduate Student mentorship (Rotation)

2019.11-2020.01	Sonia Bansal	(TIGP-MCB, Taiwan)
2013.12-2014.02	Chien-Chun Chen	(TIGP-INS, Taiwan)
2012.06-2012.07	Ravi Chandra	(TIGP-IIP, Taiwan)

Research Assistant mentorship

2022.01-present	Ying-Jie Pan	
2021.02-2021.03	Chia-Fan Li	
2021.01-present	Jeffery Chen	
2020.10-2021.03	Ting-Wei Liang	
2020.07-present	Michael Raphael Panganiban	
2019.10-2020.10	Hao-Wei Huang	Micron Technology, Taiwan
2019.10-2020.01	Chia-Ming Chen	
2019.10-present	Hsuan-Wei Shen	
2019.08-present	Hsin-Ti Hsieh	
2018.04-2021.12	Yu-Chen Huang	
2016.09-2019.07	Nan-Fu Liou	Product Specialist, AmCad Biomed Corporation * 2017 NPAS International Conference Travel Grant
2016.08-2020.08	Hao-Hsin Chiang	TIGP-MCB, Academia Sinica, Taiwan
2016.08-2017.06	Cen-You Li	University of Tübingen, Germany
2016.07-2018.03	Kai-Hsiang Chiang	Cooper Genomics, U.S.A.
2014.06-2020.12	Chi-Jen Yang	Taiwan center for Disease Control, Taiwan * 2019 Asia Pacific Drosophila Neuroscience Conference Best Poster Award * 2019 NPAS International Conference Travel Grant
2014.03-2016.05	Yuh-Tarnng Chen	UT Southwestern Medical Center, U.S.A.
2013.04-2016.08	Hsin-Ju Lin	National Taipei University of Technology, Taiwan
2013.04-2016.08	Ting-Han Wu	TIGP-MCB, Academia Sinica, Taiwan

2012.08-2017.12	Shih-Han Lin	Aprinoia Therapeutics Inc., Taiwan
2012.08-2013.12	Shi-Yow Yang	
2011.09-2014.06	Ying-Jun Chen	TTY Biopharma Company Ltd., Taiwan
2011.09-2013.05	Tzi-Yang Lin	Dresden International PhD Program, Germany

Undergraduate Student mentorship

2021.02-2021.08	Iris Zi Qing Low	Undergrad. Student, U. Toronto, Canada
2020.07-2020.08	Si-Ju Chu	Undergrad. Student, Tatung University
2020.07-2020.08	Cheng-Hsiu Hou	Master Student, National Taiwan University * Outstanding Award of 2020 Summer Internship of ICOB, Academia Sinica
2019.07-2019.08	Shu-Wei Chang	Undergrad. student, Chinese Culture U. * Outstanding Award of 2019 Summer Internship of ICOB, Academia Sinica
2019.07-2019.08	Fei-Bi Lan	Master student, Inst. Brain Science, N. Yang-Ming U. * Outstanding Award of 2019 Summer Internship of NPAS, Academia Sinica
2018.07-2018.08	Yan-Min Chiu	Master student, National Taiwan U. * Outstanding Award of 2018 Summer Internship of ICOB, Academia Sinica
2018.07-2018.08	Chen-Tse Lu	Undergrad. student, N. Cheng Kung U. * Outstanding Award of 2018 Summer Internship of NPAS, Academia Sinica
2017.06-2017.08	Yi-Jui Peng	Master student, NTU College of Medicine
2013.07-2014.06	Cheng-Han Lee	Intern, National Taiwan U. Hospital
2013.07-2013.08	Yi-An Luo	Master student, National Chiao Tung University
2012.06-2014.02	Bing-Hong Shi	Master student, National Tsing Hua University
2012.03-2014.06	Kuan-Wei Lee	Resident, National Taiwan U. Hospital * Outstanding Award of 2012 Summer Internship of NPAS, Academia Sinica
2011.09-2014.06	Nan-Fu Liou	Product Specialist, AmCad Biomed Corporation * 2012 Fellowship of College Student Participation in Research Projects (National Science Council) (101-2815-C-001-024-B)

Senior High School Student mentorship

2022.05-present	Chien-Hsiang Wang	The affiliated Senior High School of National Taiwan Normal U * 2021 Biological Programs for Senior High School Students in Academia Sinica
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INTELLECTUAL PROPERTY GENERATED AND IMPACT OF RESEARCH TO THE SOCIETY

Member laboratory of InSITE consortium

As a member laboratory of InSITE consortium, my lab and Prof. Kristin Scott's lab (UC Berkley) worked together to analyze and annotate the expression patterns of GAL4 in the adult brains (total 1058 InSITE lines). The result is one of the key elements of InSITE database which has ended up with more than 20 peer-reviewed papers from 7 joined international groups in past 7 years.

PUBLICATIONS

Research Articles

(* Denotes corresponding or co-corresponding authorship; † denotes equal contribution)

1. **Chou, Y.H.***, Yang, C.J., Huang, H.W., Liou, N.F., Panganiban, M.R., Luginbuhl, D., Yin, Y., Taisz, I., Liang, L., Jefferis, G.S.X.E., Luo, L. (2022) Mating-driven Variability in Olfactory Local Interneuron Wiring. **Science Advances**. 8, eabm7723.
2. Tsai, K.T., **Chou, Y.H.*** (2019) Random walk revisited: quantification and comparative analysis of *Drosophila* walking trajectories. **iScience** 19, 1145-1159.
3. Chen, Y.J., Chang, H.H., Lin, S.H., Lin, T.Y., Wu, T.H., Lin, H.J., Liou, N.F., Yang, C.J., Chen, Y.T., Chang, K.H., Li, C.Y., **Chou, Y.H.*** (2019) Differential efficacy of genetically swapping GAL4. **J. Neurogenetics** 33, 52-63.
4. Liou, N.F., Lin, S.H., Chen, Y.J., Tsai, K.T., Yang, C.J., Lin, T.Y., Wu, T.H., Lin, H.J., Chen, Y.T., Gohl, D.M., Silies, M., **Chou, Y.H.*** (2018) Diverse populations of local interneurons

integrate into the *Drosophila* adult olfactory circuit. **Nature Communications** 9, 2232. (Recommended by F1000Prime. Hiesinger P: F1000Prime, 2018, 10.3410) (Selected as 2018 Academia Sinica Significant Research Achievements)

5. Tsai, K.T., Hu, C.K., Li, K.W., Hwang, W.L., **Chou, Y.H.*** (2018) Circuit variability interacts with excitatory-inhibitory diversity of interneurons to regulate network encoding capacity. **Scientific Reports** 8, 8027.
6. Hsia, E.Y.C., Zhang, Y., Tran, H.S., Lim, A., **Chou, Y.H.**, Lan, G., Beachy, P.B., Zheng, X. (2017) Hedgehog mediated degradation of Ihog adhesion proteins modulates cell segregation in *Drosophila* wing imaginal discs. **Nature Communications** 8, 1275.
7. Wu, B., Li, J., **Chou, Y.H.**, Luginbuhl, D., Luo, L. (2017) Fibroblast growth factor signaling instructs ensheathing glia wrapping of *Drosophila* olfactory glomeruli. **Proceedings of the National Academy of Sciences USA** 114, 7505-7512.
8. Sweeney, L.B., **Chou, Y.H.‡**, Wu, Z.‡, Joo W.‡, Komiyama, T., Potter, C.J., Kolodkin, A.L., Garcia, K.C., and Luo, L. (2011) Secreted Semaphorins from degenerating larval ORN axons direct adult projection neuron dendrite targeting. **Neuron** 72, 734-747.
9. **Chou, Y.H.**, Zheng, X., Beachy, P.A. and Luo, L. (2010) Patterning axon targeting of olfactory receptor neurons by coupled Hedgehog signaling at two distinct steps. **Cell** 142, 954-966. (Featured in *Nature Reviews Neuroscience*, Research Highlights. (Nov. 2010))
10. **Chou, Y.H.‡**, Spletter, M.L.‡, Yaksi, E.‡, Leong, J.C.S., Wilson, R.I. and Luo, L. (2010) Diversity and wiring variability of olfactory local interneurons in the *Drosophila* antennal lobe. **Nature Neuroscience** 13, 439-449. (Featured on the cover)
11. Sweeney, L.B., Couto, A.‡, **Chou, Y.H.‡**, Berdnik, D., Dickson, B.J., Luo, L., and Komiyama, T. (2007). Temporal target restriction of olfactory receptor neurons by Semaphorin-1a/PlexinA-mediated axon-axon interactions. **Neuron** 53, 185-200. (Preview by Greg J. Bashaw)
12. **Chou, Y.H.** and Chien, C.T. (2002). Scabrous controls ommatidial rotation in the *Drosophila* compound eye. **Developmental Cell** 3, 839-850.
13. Hsu, S.L., Chen, M.C., **Chou, Y.H.**, Hwang, G.Y., and Yin, S.C. (1999). Induction of P21^{CIP1/Waf1} and activation of p34^{cdc2} involved in retinoic acid-induced apoptosis in human hepatoma Hep3B cells. **Experimental Cell Research** 248, 87-96.
14. Hsu, S.L., **Chou, Y.H.**, Yin, S.C., and Liu, J.Y. (1998). Differential effects of phorbol ester on growth and protein kinase C isoenzyme regulation in human hepatoma Hep3B cells. **Biochemical Journal** 333, 57-64.
15. **Chou, Y.H.** and Yung, B.Y. M. (1995). Cell cycle phase-dependent changes of localization and oligomerization states of nucleophosmin/B23. **Biochemical and Biophysical Research Communications** 217, 313-325.

Review/Commentary/Book chapter

1. Tsai, K.T., **Chou, Y.H.*** (2022) *Drosophila* as a Model to Explore Individuality. In: Yamamoto, D. (eds) Behavioral Neurogenetics. **Neuromethods**, v181, Humana, New York, NY.
2. Tsai, K.T., Liou, N.F., **Chou, Y.H.*** (2019) Quantitatively analyzing morphological phenotypes of neurons and neuropils through three-dimensional reconstruction of *Drosophila* brains. **Bio-101** e1010290. (*Drosophila* Protocol ebook, 1st ed. Bio-Protocol) (In Chinese)
3. Chang, H.H., **Chou, Y.H.*** (2019) Labeling single cells by Mosaic analysis with a repressible maker (MARCM) in *Drosophila* nervous system. **Bio-101** e1010289. (*Drosophila* Protocol ebook, 1st ed. Bio-Protocol) (In Chinese)
4. Yang, C.J., Tsai, K.T., Liou, N.F., **Chou, Y.H.*** (2019) Interneuron diversity: toward a better understanding of interneuron development in the olfactory system. **J. Experimental Neuroscience** 13, 1-5.