

CURRICULUM VITAE

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PLACE OF BIRTH: Changhua, Taiwan

NATIONALITY: Taiwan, R.O.C.

EDUCATION:

07/2003 - Ph.D. Graduate Institute of Life Sciences, National Defense Medical Center

06/1993 - M.S. Institute of Genetics, National Yang-Ming University

06/1991 - B.S. School of Nursing, National Yang Ming University

POSITIONS HELD:

- 08/2004-present **Postdoctoral Fellow**, Dept of Biology, Stanford University
(Advisor: Liqun Luo)
Determining molecular mechanisms involved the establishment of *Drosophila* olfactory circuitry.
- 08/2003-07/2004 **Postdoctoral Fellow**, Institute of Molecular Biology, Academia Sinica (Advisor: Cheng-Ting Chien)
Determining mechanisms regulating *Drosophila* ommatidial rotation
- 08/1998-07/2003 **Doctoral Research**, Institute of Molecular Biology, Academia Sinica (Advisor: Cheng-Ting Chien)
Thesis: The role of Scabrous in ommatidial rotation during *Drosophila* eye development.
- 10/1997-07/1998 **Research Assistant**, Dept of Chemistry, National Changhua University of Education (Advisor: Der-Hang Chin)
Purifying chromoprotein neocarzinostatin (NCS) in large scale and analyzing the structure change of NCS chromophore and its by-products during activation
- 08/1995-07/1997 **Research Assistant**, (Advisor: Shih-Lan Hsu)
Department of Education and Research, Taichung Veterans General Hospital
Signal transductions involved in retinoic acid-induced apoptosis

- in hepatoma cell lines
- 08/1993-07/1995 **Research Assistant**, Dept of Pharmacology, Chang Gung University (Advisor: Benjamin Yat Ming Yung)
Dynamic changes of phosphorylation and palmitoylation of nucleophosmin during cell cycle progression.
- 09/1991-07/1993 **Master Research**, Institute of Genetics, National Yang Ming U. (Advisor: Sheng Wang-Wuu)
Thesis: Chromosome aberrations and sister chromatid exchanges induced by 1,2-dimethylhydrazine and methylazoxymethanol in cultured lymphocytes from patients with colorectal carcinoma.

AWARDS AND HONORS:

- 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)

PRESENTATIONS (TALKS):

- 2002 4th Asian-Pacific Organization for Cell Biology Congress,
Scabrous controls ommatidia rotation in *Drosophila*
- 2002 Second Global Chinese Ophthalmic Conference,
Planar Cell Polarity in *Drosophila* eyes

PUBLICATIONS:

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 *Nat Rev Neurosci*, Research Highlights. (Nov. 2010)

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. *Nat Neurosci* **13**, 439-449.

* equal authorship

Cover

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.

* equal authorship

Chou, Y.H. and Chien, C.T. (2002). Scabrous controls ommatidial rotation in the *Drosophila* compound eye. *Dev Cell* **3**, 839-850.

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. *Exp Cell Res* **248**, 87-96.

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. *Biochem. J* **333**, 57-64.

Chou, Y.H. and Yung, B.Y. M. (1995). Cell cycle phase-dependent changes of localization and oligomerization states of nucleophosmin/B23. *Biochem Bioph Res Comm* **217**, 313-325.

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