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CURRICULUM VITAE

EDUCATION & PROFESSIONAL EXPERIENCE

2022—present **Ph.D. Student**
Graduate Program in Neuroscience, University of California, Riverside, USA.

2020—2022 **Research Assistant**
Institute of Neuroscience, National Yang Ming Chiao Tung University, Taiwan.
Supervisor: Dr. Cheng-Chang Lien

2017—2020 **Master of Science (M.Sc.)**
Institute of Neuroscience, National Yang-Ming University, Taiwan.
Thesis supervisor: Dr. Cheng-Chang Lien

2013—2017 **Bachelor of Science (B.Sc.)**
Department of Medical Laboratory and Biotechnology, Chung Shan Medical University, Taiwan.
Undergraduate research supervisor: Prof. Tsui-Hwa Tseng

ABILITIES & PROFESSIONAL SKILLS

1. ***ex vivo* electrophysiology**
   Field recording, patch-clamping, optogenetic-assisted connectivity mapping
2. **Stereotaxic surgery**
   Neuronal tracer and AAV virus injections for gene overexpression and anatomical connectivity mapping
3. **Biochemistry**
   Immunohistochemistry, Western blotting
4. **Microscopy and morphological analysis**
   IR-DIC, epifluorescence, confocal, two-photon imaging
   3D morphological reconstruction (with Neuromantic and Neurolucida software)
5. **Animal pharmacology and behavioral test**
   Intraperitoneal (i.p.) and intragastric (i.g.) drug application
   Pavlovian fear conditioning
6. **Cell line culture and *in vitro* tumor progression test**
7. **Animal management and genotyping**
8. **MATLAB coding for electrophysiological data analysis**

PUBLICATIONS

1. Jin X, Xie J, **Yeh CW**, Lien CC*, and Huang CL*. Under revision
   WNK1 is a central osmolality sensor for arginine vasopressin release.
2. Huang PH*, Yang TY#, **Yeh CW#**, Huang SM#, Chang HC#, Hung YF#, Chu WC, Cho KH, Lu TP, Kuo PH, Lee LJ, Kuo LW, Lien CC, and Cheng HJ (#equal contribution). *Transl Psychiatry.* **2022**; 12(1):411.
   Involvement of a BH3-only apoptosis sensitizer gene *Blm-s* in hippocampus-mediated mood control.
3. Wei YT, Wu JW, **Yeh CW**, Shen HC, Wu KP, Vida I, and Lien CC*. *J Comp Neurol.* **2021**; 529(10):2658-2675.
   Morpho-physiological properties and connectivity of vasoactive intestinal polypeptide-expressing interneurons in the mouse hippocampal dentate gyrus.
4. Chung DJ#, Wang CJ#, **Yeh CW#**, and Tseng TH* (#equal contribution). *J Agric Food Chem.* **2018**; 66(26):6708-6716.
   Inhibition of the proliferation and invasion of C6 glioma cells by tricin via the upregulation of focal-adhesion-kinase-targeting microRNA-7.

CONFERENCE ABSTRACTS

1. **Yeh CW**, Li YJ, and Lien CC*
   Endocannabinoid signaling gates cortical-hippocampal input-driven granule cell recruitment via cholecystokinin interneurons. *The 36th Joint Annual Conference of Biomedical Science (JACBS).* Mar. 26-27, 2022, Taipei, Taiwan.
2. **Yeh CW**, Wang KY, Ajibola MI, Abdulmajeed WI, Cheng HJ, Huang PH, and Lien CC*
   Morpho-physiological properties of hippocampal dentate granule cells in the *Blm-s* knockout mice. *The 35th Joint Annual Conference of Biomedical Science (JACBS).* Jun. 26-27, 2021, Taipei, Taiwan.
3. **Yeh CW**, Wang KY, Ajibola MI, Abdulmajeed WI, Cheng HJ, Huang PH, and Lien CC*
   Morpho-physiological properties of hippocampal dentate granule cells in the *Blm-s* knockout mice. *NYMU-INS 40th anniversary event.* Jun. 18, 2020, Taipei, Taiwan.
4. **Yeh CW** and Tseng TH*
   Tricin, an O-methylated flavonoid, inhibits C6 glioma cell progression *in vitro*. *The 32nd Joint Annual Conference of Biomedical Science (JACBS).* Mar. 25-26, 2017, Taipei, Taiwan.

HONORS

2022 **Dean's Distinguished Fellowship**
Graduate Division, University of California, Riverside, USA.

2021 **Excellent Award**
Poster Competition at the 35th Joint Annual Conference of Biomedical Science (JACBS), Taiwan.

2020 **Finalist Prize**
Poster Competition at NYMU-INS 40th anniversary event, Taiwan.

2016 **College Student Research Scholarship**
Ministry of Science and Technology (MOST), Taiwan.

PROFESSIONAL CREDENTIAL

2017 Registration in Medical Technologist (MT)

MENTORSHIP

Chien-Ting Kuo	Graduate student in **Tseng Lab, CSMU** Cancer cell line culture and tumor progression tests.
Zhu-Sen Yang	Graduate student in **Lien Lab, NYMU** Patch-clamp recording of amygdala neurons.
Hui-Chi Chiang	Undergraduate student in **Lien Lab, NYMU** Patch-clamp recording of hippocampal neurons.
Yu-Jui Li	Graduate student in **Lien Lab, NYCU** Field recording and patch-clamp recording of PP-GC synaptic plasticity.

REFERENCES

Dr. Cheng-Chang Lien (M.Sc. supervisor)

Institute of Neuroscience, National Yang Ming Chiao Tung University.

No. 155, Sec. 2, LiNong St., BeiTou Dist., Taipei City, 112, Taiwan.

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Prof. Tsui-Hwa Tseng (undergraduate research supervisor)

Department of Medical Applied Chemistry, Chung Shan Medical University.

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Collaborators

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Institute of Molecular Biology, Academia Sinica, Taiwan

Dr. Pei-Hsin Huang (phhuang@ntu.edu.tw)

Department of Pathology and Graduate Institute of Pathology, National Taiwan University, Taiwan

Dr. Chou-Long Huang (chou-long-huang@uiowa.edu)

Department of Internal Medicine, Caver College of Medicine, University of Iowa, USA

Dr. Shih-Chieh Lin (shihchieh.lin@nycu.edu.tw)

Institute of Neuroscience, National Yang Ming Chiao Tung University, Taiwan