


Personal information

Name	Chia-Ping Lai	
Title	Assistant Professor	
Office	I0708	
Phone	886-6-2533131 ext.3923	
Email	glbhouse@stust.edu.tw	
Education	Graduate Institute of Microbiology and Biochemistry, National Taiwan University	
Research Interests	1. Food inspection and analysis 2. Genetic engineering 3. Plant tissue culture	
Laboratory	I0906	
Work Experience	1. Postdoctoral Research Fellow, IPMB, Academia Sinica 2. Assistant Professor, Far East University of Technology.	
Webpage		

Publications

Journal Papers

1. Chia-Ping Lai, Li-Min Huang, Long-Fang O. Chen, Ming-Tsair Chan, Jei-Fu Shaw. 2017. Genome-wide analysis of GDSL-type esterases/lipases in Arabidopsis. *Plant Mol Biol* 95:181-197 (SCI).
2. Li-Min Huang, Chia-Ping Lai, Long-Fang O. Chen, Ming-Tsair Chan, Jei-Fu Shaw. 2015. Arabidopsis SFAR4 is a novel GDSL type esterase involved in fatty acid degradation and glucose tolerance. *Botanical Studies* 56(33): 1-12 (SCI).
3. Chia-Ping Lai and Jei-Fu Shaw. 2012. Interaction analyses of Arabidopsis tubby-like proteins with ASK proteins. *Botanical Studies* 53: 447-458 (SCI).
4. Hanna Chepyshko, Chia-Ping Lai*, Li-Min Huang, Jyung-Hurng Liu, Jei-Fu Shaw*. 2012. Multifunctionality and diversity of GDSL esterase/lipase gene family in rice (*Oryza sativa* L. japonica) genome: new insights from bioinformatics analysis. *BMC Genomic* 13(309):1-19 (*corresponding authors, equal contribution) (SCI).
5. Chia-Ping Lai, Po-Hsuan Chen, Jen-Pan Huang, Yun-Huei Tzeng, Shu-Miaw Chaw, Jei-Fu Shaw. 2012. Functional diversification of the tubby-like protein gene families (TULPs) during eukaryotic Evolution. *Biocatalysis and Agricultural Biotechnology* 1: 2-8 (SCI).

Conference Papers

1. Zi Sheng. Yu , and Chia Ping. Lai. 2023. Studies on Tissue Culture of *Aeonium aureum*. International Symposium on Novel and Sustainable Technology, Tainan, Taiwan.
2. Chia-Ping Lai¹, Li-Min Huang. 2022. A novel GDSL-type esterase, AtGELP72, involved in glucose tolerance. International Symposium on Novel and Sustainable Technology, Tainan, Taiwan.
3. Chia-Ping.Lia, Ge-Hao.Yang. 2021. Analyzing the Multifactor Structure by Applying PRECEDE Model of the Handwashing Practice among General Public's-Cases of Tainan City. International Symposium on Novel and Sustainable Technology, Tainan, Taiwan.
4. Chia-Ping Lai, Li-Min Huang.2019. Phylogenetic classification and the expression profile of AtGELP genes in various tissues. International Symposium on Novel and Sustainable Technology, Tainan, Taiwan.
5. Chia-Ping Lai, Li-Min Huang.2019. Study of Arabidopsis GDSL-type lipase/esterase in response to biotic Stresses. International Symposium on Novel and Sustainable Technology, Tainan, Taiwan.
6. Chia-Ping Lai, Li-Min Huang, Long-Fang O. Chen, Ming-Tsair Chan, Jei-Fu Shaw. 2017, October. Genome-wide analysis and functional characterization of GDSL-type esterases/lipases in Arabidopsis. 13th International Symposium on Biocatalysis and Agricultural Biotechnology, Taichung, Taiwan.
7. Chia-Ping Lai, Li-Min Huang, Long-Fang O. Chen, Jei-Fu Shaw. 2014, October. The study of Arabidopsis GDSL-type lipase/esterase gene Family under Abiotic Stress Responses. 10th International Symposium on Biocatalysis and Agricultural Biotechnology, Kaohsiung, Taiwan (ISBN978-986-91184-0-8).
8. Chia-Ping Lai, Li-Min Huang, Long-Fang O. Chen, Jei-Fu Shaw. 2014, October. The Study of Arabidopsis GDSL-type Lipase/Esterase Gene Family in the Infection of Plant Pathogenic Bacteria. 10th International Symposium on Biocatalysis and Agricultural Biotechnology, Kaohsiung, Taiwan (ISBN978-986-91184-0-8).
9. Chia-Ping Lai, Li-Min Huang, Long-Fang O. Chen, Jei-Fu Shaw. 2014, October. AtTLP3, a F-Box Protein which Mediate Abscisic Acid and Stress Signaling. 10th International Symposium on Biocatalysis and Agricultural Biotechnology, Kaohsiung, Taiwan (ISBN978-986-91184-0-8).
10. Chia-Ping Lai, Li-Min Huang, Long-Fang O. Chen, Jei-Fu Shaw. 2014, October. The Characterization and Activity Analysis of Arabidopsis GDSL-type Esterase/Lipase (AtGLP72). 10th International Symposium on Biocatalysis and Agricultural Biotechnology, Kaohsiung, Taiwan (ISBN978-986-91184-0-8).
11. Chia-Ping Lai, Li-Min Huang, and Jei-Fu Shaw. 2013, May. Expression and physiological function analyses of GDSL-type lipases/esterases in Arabidopsis. 2013 International Symposium on Agricultural Biotechnology, Taichung, Taiwan.
12. Chia-Ping Lai, Li-Min Huang, and Jei-Fu Shaw. 2013, May. Investigation of Arabidopsis GDSL-type lipase/esterase in Biotic and Abiotic Stress Responses. 2013 International Symposium on Agricultural Biotechnology, Taichung, Taiwan.

Projects

NSTC Projects:

Year	Project Title (number)	Period

Government Projects:

Year	Project Title (number)	Period

Industry Collaboration Projects:

Year	Project Title (number)	Period

Patent

1. J.F. Shaw and C.P. Lai. Plant TUBBY-like proteins U.S.A. Patents
12/372.231, 04/25/2013-04/25/2033 °
- 2.

Professional Certificates

- 1.
- 2.