



Congratulations to all winners!!!

25th ABRC Poster Day 2024
Outstanding Presentation Award Winners

(based on the evaluation of ABRC lab members)

Integrative Plant Stress Biology (iPSB)

Ya-Tan Cheng (鄭雅丹)

In-depth Exploration of the Role of Mitochondrial Inner Membrane Protease OMA1 in Plant Thermotolerance

Ya-Tan (Cassie) Cheng^{1,2,3#} and Der-Fen Suen^{1,3,4}*

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³Molecular and Biological Agricultural Sciences, Taiwan International Graduate Program, Academia Sinica, Taipei, Taiwan

⁴Biotechnology Centre, National Chung Hsing University, Taichung, Taiwan 402

Kuen-Jin Tsai (蔡昆縉)

Initiation of SA signaling: SA-binding proteins drive metabolic networking toward enhanced glutathione formation

*Kuen-Jin Tsai, Tzu-Yi Liao, and Hsin-Hung Yeh**

Agricultural Biotechnology Research Center, Academia Sinica, Taipei, 11529, Taiwan

Chih-Pin Chiang (姜智彬)

Inositol phosphates trigger conformational changes of Arabidopsis vacuolar phosphate transporter PHT5 in regulating cytosolic phosphate homeostasis

*Chih-Pin Chiang[†], Jia-Ling Li[†], Yu-Chun Shao, Su-Fen Chiang, Zhengrui Wang, Hui-Fen Kuo, Cheng-Hsun Ho and Tzyy-Jen Chiou**

Agricultural Biotechnology Research Center, Academia Sinica, Taipei, Taiwan, 115

Wen-Chi Lee (李温琪)

Non-cleavable binding of plant microRNAs induces SGS3-dependent and -independent translational repression

*Wen-Chi Lee, Bo-Han Hou, Ho-Ming Chen**

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Tzu-Hsiang Lin (林子翔)

Genome-wide atlas of termination codons targeting Arabidopsis normal transcripts to nonsense-mediated mRNA decay

Tzu-Hsiang Lin^{1,2}, Wen-Chi Lee¹, Tze-Ching Chan¹, Bo-Han Hou¹, Ho-Ming Chen^{1,2,}*

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²Bioinformatics Program, Taiwan International Graduate Program, National Yang Ming Chiao Tung University, Academia Sinica, Taipei, 115, Taiwan

Herbal Medicine Research (HMR) or Molecular Vaccine Technology (mVT) or Enzyme Biotechnology

Meng-Ting Chang (張孟亭)

A novel botanical supplement improves physical performance and ameliorates inflammaging in aged mice via regulating systemic metabolism and gut microbiota

Meng-Ting Chang¹, Yu-Ling Lin¹, Chi-Chang Huang², and Lie-Fen Shyur^{1,}*

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²Graduate Institute of Sports Science, National Taiwan Sport University, Taoyuan, Taiwan

Chung-Chih Yang (楊仲智)

Active Pharmaceutical Ingredients of an Asteraceae Medicinal Plant Impede Melanoma Lung Metastasis in Mice

*Chung-Chih Yang, Meng-Ting Chang, Pei-Wen Hsiao, and Lie-Fen Shyur**

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Thanyakorn Nilsakha (倪安荷)

The Potential of BP as a Feed Additive on Growth Performance in Tilapia

Thanyakorn Nilsakha^{1,2}, Yi-San Lee², Wen-Chin Yang^{1,2,}*

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Ting-Yan Jian (簡廷諺)

Asteraceae API YL-2 induced mitochondrial oxidative stress by inhibiting lysophosphatidic acid receptor signaling in 5-fluorouracil-resistant colorectal cancer cell growth

Ting-Yan Jian¹, Yi-Fang Ho¹, Ya-Hsuan Tsai¹, Yu-Ling Lin^{1,}*

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Freta Kirana Ballardona (博菲娜)

The Arabidopsis Methionine Sulfoxide Reductase B5 Regulates Root Growth Through Maintaining Protonmotive Force

Freta K. Ballardona^{1,2} and Ming-Tsair Chan^{1,2}

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