



Congratulations to all winners!!!

**ABRC 24th Annual Poster Competition 2023
Outstanding Presentation Award Winners**

(based on the evaluation of ABRC lab members)

Integrative Plant Stress Biology (iPSB)

Suma Mitra (米舒瑪)

HSP101 prevents proteasome-mediated rapid degradation of HSA32 to maintain heat acclimation memory in Arabidopsis

Suma Mitra^{1,2,3}, Shih-Jiun Yu^{1,4}, Hong-Yi Li^{1,4}, Nai-Yu Liu¹, Chuan-Chih Hsu⁵, Akankshita Borah^{1,2,3}, Yu-Yan Shen¹, Meng-Ju Hung¹, Yang-Hsin Hsu⁶, Hongyong Fu^{2,3,5}, Yee-yung Charn^{1,2,3,4}

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⁵Institute of Plant and Microbial Biology, Academia Sinica, Taipei, Taiwan

⁶Department of Horticulture, National Chiayi University, Chiayi, Taiwan

Solomon Antonio (邱乙書)

Efficient production of COVID-19 VLPs in plants

Yi-Shu Chiu^{1,#}, Yi-Chun Yeh¹, Pei-Wen Hsiao¹ and Hsin-Hung Yeh^{1,}*

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Solomon Antonio (所羅門)

The Role of NADPH Oxidase-Mediated ROS in Mitochondrial Status in Arabidopsis Tapetum

Solomon Antonio Jr.^{1,2,3}, Der-Fen Suen^{1,3,4}*

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Ya-Tan Cheng (鄭雅丹)

The Regulation of Cytosolic α -Tubulin Proteostasis by the Mitochondrial Inner Membrane Protease OMA1 Under Acute Heat Stress

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

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Jeevan Kumar Shrestha (潔凡)

Phytoene Synthase 2 Regulates Iron Plaque Formation in Rice Roots

Jeevan Kumar Shrestha^{1,2,3}, Munkhtsetseg Tsednee¹, Chang-Sheng Wang⁵, & Kuo-Chen Yeh^{1,2,4*}

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⁵Department of Agronomy, National Chung Hsing University, Taichung, Taiwan, 402

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

Jeng-Yuan Shiau (蕭証元)

Integrated omics strategy reveals deoxyelephantopin and its derivative DETD-35 induced mitochondrial dysfunction in triple negative breast cancer cells

Jeng-Yuan Shiau, Han-Jung Huang, and Lie-Fen Shyur*

Agricultural Biotechnology Research Center, Academia Sinica, Taiwan

Yu-Chih Yang (楊聿智)

Cross-protective antibodies induced by multi-valent spike VLP vaccine

Yu-Chih Yang^{1#}, Yi-Te Lin^{1#}, Yi-Chun Yeh^{1#}, Pei-Wen Hsiao^{1*}

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Meng-Ting Chang (張孟亭)

Chemopreventive phytoesquiterpene lactones impede BRAF inhibitor induced cutaneous papilloma through regulating MAPK pathway and lipid metabolism

Meng-Ting Chang, Jia-Hua Feng, and Lie-Fen Shyur*

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

Mu-Fan Tsou (鄒牧帆)

Research on active pharmaceutical ingredients from a medicinal orchid plant against vemurafenib induced resistant melanoma

Mu-Fan Tsou^{1,2}, Lie-Fen Shyur^{1,2,*}

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Bo-Wei Wang (王博緯)

Actions of 6-pentyl-2H-pyran-2-one derivative in controlling fusarium wilt by *Fusarium oxysporum* f. sp. *cubense* in banana

Bo-Wei Wang^{1,2,3,4}, Yang-Zhi Zhou^{2,3}, Yao-Cheng Lin^{2,3}, Yu-Liang Yang^{1,2,3,*}, Chih-Chuang Liaw^{1,4,*}

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