



Congratulations to all winners!!!

25th ABRC Poster Day 2024
Outstanding Poster Award Winners

(based on the evaluation of ABRC faculty and invited reviewers)

Integrative Plant Stress Biology (iPSB)

Yu-Chun Hsiao (蕭仔君)

Cysteine sulfenylation modulates the PLT2 protein stability through ROS under the RGF1 signal in root meristem development

Yu-Chun Hsiao^{1,2}, Shiau-Yu Shiue^{1,2}, Ming-Ren Yen^{1,2,3}, Joon-Keat Lai^{1,2}, Masashi Yamada^{1,2}*

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Suma Mitra (米舒瑪)

Stabilization of HSA32 by HSP101 in maintaining acquired thermotolerance in Arabidopsis

Suma Mitra^{1,2,3}, Shih-Jiun Yu^{1,4}, Nai-Yu Liu¹, Chuan-Chih Hsu⁵, Hong-Yi Li^{1,4}, Akankshita Borah^{1,2,3}, Yu-Yen Shen¹, Shang-hao Wu^{1,4}, Yang-Hsin Hsu⁶, Hongyong Fu^{2,3,5}, Yee-yung Charng^{1,2,3,4}*

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

Po-Xing Zheng (鄭伯忻)

Transposable Elements Drive Evolution and Perturb Gene Expression in *Brassica*

Po-Xing Zheng^{1,2#}, Chia-Ying Ko^{1,2,3}, Jheng-Yan Ou^{1,2}, Wen-Chi Chang³, Andrea Zuccolo^{4,5}, Yao-Cheng Lin^{1,2,3}*

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⁵Crop Science Research Center (CSRC), Scuola Superiore Sant'Anna, Pisa, 56127, Italy

Jeevan Kumar Shrestha (潔凡)

***Phytoene Synthase 2* Regulates Iron Plaque and Aerenchyma Formation in Rice Roots**

Jeevan Kumar Shrestha^{1,2,3}, Munkhtsetseg Tsednee¹, Chang-Sheng Wang⁴, & Kuo-Chen Yeh^{1,2,5*}

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Tsung-Chi Chen (陳宗祺)

Identification of resistant genes from Cavendish banana against *Fusarium oxysporum* f. sp. *cubense* tropical race 4

Tsung-Chi Chen^{1,#}, Yuh Tzean^{1,#}, Bo-Han Hou¹, Shu-Ming Tsao¹, Ming-Chi Lee¹, Sabnam Rai², Ho-Ming Chen^{1*}, Wei-Chiang Shen^{2*}, Hsin-Hung Yeh^{1,2,3*}

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Jyoti Aggarwal (安喬蒂)

Biosynthesis of phytosiderophores in graminaceous plants: divergent functions for their specific environments of iron nutrient

Jyoti Aggarwal^{1,2,3} and Kuo-Chen Yeh^{1,2,4,*}

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Ching-Min Lin (林靖閔)

Temperature Vulnerability of PAMP Elicited Plant Immunity Depends on a Heat-Sensitive Protease

Ching-Min Lin^{1,2}, Kai-Ting Fan³, and Yet-Ran Chen^{2,3,*}

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

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*

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

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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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}, Jheng-Yang Ou^{2,3}, Yu-Chang Liu^{2,3}, Yang-Zhi Zhou^{2,3}, Kai-Yu Wang^{2,3}, Li-Min Huang^{2,3}, Wei-Chih Chin^{2,3}, Yao-Cheng Lin^{2,3}, Yun-Chu Chen^{2,3}, Yu-Liang Yang^{1,2,3,*}, Chih-Chuang Liaw^{1,4,*}

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Yi-Te Lin (林益德)

Herbal extract CRA-5 inhibits the deregulated proliferation by alleviating oxidative stress in benign prostatic hyperplasia

Yi-Te Lin¹, Wei-Kai Chien¹, Yu-Chih Yang¹, Shih-Chuan Hsieh¹, Lie-Fen Shyur¹ and Pei-Wen Hsiao^{1,*}

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