

Congratulations to all winners!!!

ABRC 22nd Annual Poster Competition 2021 Outstanding Poster Award Winners

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

Integrative Plant Stress Biology (iPSB)

Yuh Tzean (曾昱)

Elucidating banana resistance to *Fusarium oxysporum* f. sp. *cubense* tropical race 4

Yuh Tzean¹, Bo-Han Hou¹, Shu-Ming Tsao¹, Ho-Ming Chen¹, Ming-Chi Lee¹, Sabnam Rai², Wei-Chiang Shen²,
Tsung-Chi Chen¹, Hsin-Hung Yeh^{1,2,3*}

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Pei-Shan Chien (簡佩珊)

TWAS integrated by eQTL analysis reveals the genetic connection between gene expression and flowering-time phenotype in *Arabidopsis*

Pei-Shan Chien¹, Pin-Hua Chen¹, Su-Fen Chiang¹, Cheng-Ruei Lee^{2*}, Tzyy-Jen Chiou^{1*}

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Li Chang (張立)

Plant A20/AN1 protein function in salicylic acid-induced redox oscillation through the modulation of catalase 2 activity

Li Chang¹, Yi-Shu Chiu¹, Duen-Wei Hsu², Yuh Tzean¹, and Hsin-Hung Yeh^{1,3*}

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Kuen-Jin Tsai (蔡昆縉)

The hypoxia response protein HRM1 modulates the mitochondrial electron transport chain in *Arabidopsis* under low oxygen stress

Kuen-Jin Tsai and Ming-Che Shih*

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

Yi-Shu Chiu (邱乙書)

Fungal F8-Culture Filtrate Induces Tomato Resistance against Tomato Yellow Leaf Curl Thailand Virus

Yi-Shu Chiu^{1,#} and Hsin-Hung Yeh^{1,2,3,}*

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Pao-Yuan Hsiao (蕭保元)

A negative feedback regulatory loop involving ERF-VII genes during the submergence stress

Pao-Yuan Hsiao[#], Ming-Che Shih^{}*

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

Po-Xing Zheng (鄭伯忻)

Protoplast Regeneration and CRISPR-Cas Genome Editing in *Brassica oleracea* Without Widespread Genome Alterations

Yao-Cheng Lin^{1,}, Steven Lin^{2,#}, Chen-Tran Hsu^{3,#}, Po-Xing Zheng^{1,#}, Qiao-Wei Cheng^{3,#}, Yu-Hsuan Yuan^{3,#}, Fu-Hui Wu³, Yu-Lin Wu¹, Jen Sheen⁴, Ming-Che Shih³ and Choun-Sea Lin^{3,*}*

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[#] These authors contributed equally to this work

Yu-Chun Shao (邵俞鈞)

PHOSPHATE TRANSPORTER 5 modulates PHR1-dependent immunity by regulating the status of intracellular inositol pyrophosphates

Ching Chan, Yu-Chun Shao and Tzyy-Jen Chiou^{}*

Agricultural Biotechnology Research Center, Academia Sinica, Taipei, Taiwan

Yu-Chun Hsiao (蕭仔君)

Identification of rice (*Oryza sativa*) RGF1 and elucidation of the protection mechanism of root meristem from high-temperature stress by *Arabidopsis* RGF1 peptide

Yu-Chun Hsiao^{1,2} and Masashi Yamada^{1,2,}*

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Wan-Yin Han (韓宛縈)

RNA decay landscape carved by *Arabidopsis* 5'-3' exoribonucleases in the XRN family

Wan-Yin Han^{1,2}, Ho-Ming Chen^{1,2}

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

Hieu Tran Nguyen Minh (陳明)

Functional and Mechanistic Study of Rotam-CS on Regulation of Gut Microbiota in Layer Chickens

Tran Nguyen Minh Hieu^{1,2}, Tien-Fen Kuo², Lin Chih-Yu², Didier Mazel³, Wen-Chin Yang^{1,2,4,5,6,*}

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Li-Ting Ma (馬莉婷)

The modular co-expression system for bacterial conjugated polyynes production in *Escherichia coli*

Li-Ting Ma^{1,2}, You-Huei Huang^{1,2}, Yu-Chieh Chen^{1,2}, Sin Yong Hoo^{1,2}, Ching-Chih Lin^{1,2} and Yu-Liang Yang^{1,2,*}

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Po-Wen Tu (涂博文)

Microbial Community Guided Approach for Developing Biological Control Agents of Banana Fusarium Wilt

Po-Wen Tu^{1,2,#}, Ching-Chih Lin^{1,2,#}, Wei-Chen Hsu^{1,2}, Chih Lin¹, Han-Tan Cheng¹, Ying-Ning Ho³, Yu-Liang Yang^{1,2,*}

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Tzung-Yan Chen (陳宗彥)

Targeting on PDIA4 is a Promising Two-pronged Approach to Treating Lung Cancer and other cancers

Tzung-Yan Chen^{1,2#}, Chun-Yen Yang^{1#}, Tien-Fen Kuo¹, Wen-Chin Yang^{1,2}*

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