Congratulations to all winners!!!

26th ABRC Poster Day 2025

Outstanding Poster Award Winners

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

Integrative Plant Stress Biology (iPSB)

Jeevan Kumar Shrestha (潔凡)

Carotenoid Biosynthesis Drives Root Plasticity: Insights from Aerenchyma and Iron Plaque Formation in Rice

Jeevan Kumar Shrestha[1,2,3], Chih-Yu Lin[1], Jian You Wang[4,5], I-Chien Tang[1], Chun-Hao Hu[1], Munkhtsetseg Tsednee[1], Yasha Zhang[6], Muhammad Jamil[4,5], Lamis M. Tareq Berqdar[4], Ikram Blilou[5,6], Salim Al-Babili[4,5,6], Chang-Sheng Wang[7], Kuo-Chen Yeh[1,2,8]*

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Chiu-Ling Yang (楊秋鈴)

Feeding the Grain: How Phosphate Energizes Starch Production in Rice

Chiu-Ling Yang[1], Wen-Chien Lu[1], Jo-Chi Hung[2], Swee-Suak Ko[2,], Tzyy-Jen Chiou[1,*]*

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[2]Biotechnology Center in Southern Taiwan, Academia Sinica, Tainan, Taiwan 711

Tung-Han Lin (林東翰)

Discovery of a pyrrolnitrin-producing *Burkholderia* strain conferring biological control of banana fusarium wilt

Tung-Han Lin[1,2,3,#], Bo-Wei Wang [1,2], Wen-Chieh Tsai [3,], Yu-Liang Yang[1,2,3,]**

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Yen-Ning Chen (陳彥甯)

Watching Nitrate Dynamics in Lateral Root Initiation: New Insights by Using a Genetically Encoded Fluorescent with high Spatiotemporal resolution

Yen-Ning Chen, and Cheng-Hsun Ho[*]

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Sheng-Chi Hung (洪勝崎)

Quantitative Peptidomics Reveals an Novel Peptide Induced by Flg22 That Activates Local and AtCAPE9-Dependent Systemic Immunity

Sheng-Chi Hung[1,2], Kai-Ting Fan[1], Chia-Wei Hsu[1], Wei-Hung Chang[1], Fan-Wei Lin[1], and Yet-Ran Chen[1,2]*

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Yu-Chun Hsiao (蕭伃君)

Root meristem growth factor (RGF) peptide signaling coordinates root meristem size and adaptation to non-lethal thermal stress

*Yu-Chun Hsiao[1,2], Joon-Keat Lai[1,2], Shiau-Yu Shiue[1,2], Yuan-Fong Chin [1,2], and Masashi Yamada[1,2,]**

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Akankshita Borah (柯什妲)

Regulated condensation and proteasomal turnover of HSA32 govern heat acclimation memory in *Arabidopsis*

Akankshita Borah[1,2,3], Nai-yu Liu[1], Shih-jiun Yu[1,4], Cheng-ying Wu[1,4], Yee-Yung Charng[1,2,3,4]*

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Wei-Hsun Hsieh (謝韋勳)

Multi-omics Analyses Provide Insights Into The Interplay Between DNA Methylation And Transcriptional Programs During Black Raspberry (*Rubus occidentalis*) Fruit Ripening

Wei-Hsun Hsieh[1,2,#], Yu-Hung Hung[3,4,#], Jian-Hui Zhang[3,4], Han-Yi Chen[3,4], Liang-Peng Lin[1,2], Meng-Hsun He[1,2], Yen-Chng Wang[1,2], Yu-Yu Ho[1,2], Gina Fernandez[5], Penelope Perkins-Veazie[4,5], Brandon H. Le[6], Xu Li[3,4,], Tzung-Fu Hsieh[3,4,*], Jer-Young Lin[1,2,*]*

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Puyam Tondonba Singh (金甫陽)

Chromosomal deletions in banana somaclonal variants reveal negative regulators of immunity underlying Fusarium wilt resistance

Puyam Tondonba Singh[1, 2], Bo-Han Hou[1], Yi-Heng Tsai[1], Ho-Ming Chen[1, 2]*

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Yi-Hsuan Weng (翁伊萱)

Distinct Regulation of Inositol Phosphate in NLA- and PHO2-Mediated Degradation of Phosphate Transporters

*Yi-Hsuan Weng[1], Tzyy-Jen Chiou[1]**

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

Zhijack Fong (封之傑)

Plant sesquiterpene lactones impede vemurafenib-accelerated cutaneous carcinogenesis in mice via targeting a hydrolase-mediated lipid metabolism

*Meng-Ting Chang[1], Zhijack Fong[1], Jia-Hua Feng[1], and Lie-Fen Shyur[1]**

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Meng-Ting Chang (張孟亭)

A novel botanical supplement improves physical performance and immune senescence in aged mice via regulating systemic metabolism and gut-muscle axis

Meng-Ting Chang[1], Chi-Chang Huang[2], Yu-Ling Lin[1], Hui-Ming Chen[1], Tai-Na Wu[1], and Lie-Fen Shyur[1,]*

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Mu-Fan Tsou (鄒牧帆)

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

*Mu-Fan Tsou[1,2], Chung-Hsing Chang[1], and Lie-Fen Shyur[1,2,]**

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Juan Davin Tamsuli (李明輝)

Suppression of non-small cell lung cancer growth with the novel immunogenic cell death inducer through activation of DC and iNKT cells

Yi-Fan Chen[1,2#], Juan Davin Tamsuli[1,2], Yi-Hsiang Wang[1], Chen-Chin Cheng[1], Yi-Ting Wang[1,2], Qi-Xuan Wu[1], Juimin Chang[1], Yu-Wei Chen[1], Meng-Ting Chang[1], Lie-Fen Shyur [1,3], Tai-Na Wu[1,2]*

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Yi-Hsiang Wang (王義翔)

Eradication of MYCN high-risk neuroblastoma with the novel immunogenic cell death inducer through activation of DC and iNKT cells

Yi-Hsiang Wang[1], Juimin Chang[1], Yi-Ting Wang[1,2], Qi-Xuan Wu[1], Yi-Fan Chen[1,2], Chen-Chin Cheng[1], Hui-Kai Hsu[1], Wen-Chin Yang[1], Alice Lin-Tsing Yu[3], Pei-Wen Hsiao[1,2], Tai-Na Wu[1,2*]*

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Chung-Chih Yang (楊仲智)

Deciphering Brain Metabolome Associated with Aging and Herbal Supplement Intervention in Mice

*Chung-Chih Yang[1], Meng-Ting Chang[1], Chi-Chang Huang[2], and Lie-Fen Shyur[1,]**

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