

2019TwIChE壁報論文展覽競賽得獎名單

報告編號	報告作者	共同作者	單位	論文題目	獎項	領域
BB002	侯素君	Su-Chun How(侯素君), Chi-An Dai(戴子安)* and Steven Sheng-Shih Wang(王勝仕)*	臺灣大學	Preparation and Investigation of the Cold-Set Hydrogels Derived from β -Lactoglobulin/Bovine Serum Albumin Nanofibrils for Drug Delivery Systems	優勝	生化及生醫工程
BB004	呂可玉	John Chi-Wei Lan(藍祺偉)*, Ke-Yu Lu(呂可玉)	元智大學	Recovery of Bromelain using Aqueous Two-Phase System	優勝	生化及生醫工程
BB011	何家宇	Chia-Yu Ho (何家宇), Tzu-Wei Wang(王子威)	清華大學	Intervertebral Disc Tissue Engineering Using Shape Memory Cellulose-Chitin Based Organohydrogel with Microencapsulated Structure	優勝	生化及生醫工程
BB028	張家瑜	Tzu-Yu Lin (林子榆), Chia-Yu Chang (張家瑜), Chin-Hua Chang (張袞華), Yu-Cheng Liu (劉祐誠), Roa-Pu Shen (沈若樸), Shen-Long Tsai (蔡伸隆)*	臺灣科技大學	Biotransformation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid by a Syntrophic Consortium of Engineered <i>Synechococcus elongatus</i> and <i>Pseudomonas putida</i>	優勝	生化及生醫工程
BB045	繆養寶	Yang-Bao Miao (繆養寶), Kuan-Hung Chen (陳冠宏), You-Syun Chen (陳宥勳), Tsai-Hsiu Wen (蔡綉雯), Hsing-Wen Sung (宋信文)*	清華大學	Engineering a Nanoscale Al-MOF-Armored Antigen Carried by a "Trojan Horse" -Like Platform for Oral Vaccination to Induce Potent and Long-Lasting Immunity	優勝	生化及生醫工程
BB051	盧廷瑜 Ting-Yu Lu	Ting-Yu Lu, Ching-Cheng Tsai, Nai-Chen Cheng and Jiashing Yu	臺灣大學	Enhancement of human adipose-derived stem cell spheroid differentiation in an in situ enzyme-crosslinked gelatin hydrogel	優勝	生化及生醫工程
BB066	陳盈如	Ying-Ru Chen (陳盈如), Jen-Huang Huang (黃振煌)	清華大學	Fabrication of a Breathing Bronchial-like Platform for Pulmonary Drug Application	優勝	生化及生醫工程

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BB082	林佑玆	Yu-Hsuan Lin(林佑玆), Balkew Hailemeskel, Hsieh-Chih Tsai(蔡協致)*, Ming-Chien Yang(楊銘乾)	臺灣科技大學	Fabrication of redox-responsive Bi(mPEG-SeSe)-PCL micelles for anti-cancer drug delivery	優勝	生化及生醫工程
BB091	蔡欣燕	Chiung-Wen Hsu(許瓊文), Xin-Yan Tsai(蔡欣燕), Ching-Ching Hsiao(蕭菁菁), Chi-Chang Lin(林其昌)*、Cheng-Hsu Chen(陳呈旭)*	東海大學	Star-shaped gold nanoparticles for microorganism SERS detections in peritonitis	優勝	生化及生醫工程
BB099	張育瑄	I-Ming Chu(朱一民)*, Yu-Hsuan Chang(張育瑄), Shih-Jie Lin(林世傑)	清華大學	Establishment of a three-layer structure using PEG/PCL photocrosslinked hydrogel scaffold mixed with hydroxyapatite for cartilage and subchondral bone repair	優勝	生化及生醫工程
BB101	呂育綸	Yu-Lun Lu(呂育綸), Wei-Han Lai(賴威翰), Jen-Huang Huang(黃振煌)*	清華大學	Hydraulically-Driven Microperfusion Cell Culture Platform for Drug Screening	優勝	生化及生醫工程
BB007	郭嘉維	Chia-Wei Kuo, Tse-Han Kuo and Ling Chao	臺灣大學	Monitor Ligand Binding and Transport Behavior Change of Cell Membrane Transporters by a Surface Plasmon and Plasmon-Waveguide Resonance Combined Chip	佳作	生化及生醫工程
BB009	陳誼	Yi Chen(陳誼), Ya-Wen Liu(劉雅雯), Tzu-Yin Huang(黃慈茵), and Yang Wei(魏暘)	臺北科技大學	Preparation of human hair protein and chitosan-based hydrogel with tunable mechanical strength for tissue engineering application	佳作	生化及生醫工程

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BB013	林予珮	Hsin-Tzu Kuo(郭欣慈)*, Chin-Chen Hsu(徐勤禎)*, Yu-Pei Lin(林予珮), Wen-Chang Lu(盧文章), Hou-Peng Wan(萬皓鵬)	工業技術研究院	Enrichment and Isolation platform of CO ₂ -Fixing Bacteria	佳作	生化及生醫工程
BB015	Chieh-Jung Lee (李杰容)	Chieh-Jung Lee, Po-Hsiang Wang and Chih-Chen Hsieh*	臺灣大學	The Effects of Substrate Roughness to the Diffusive Behavior of DNA Adsorbed on Supported Lipid Bilayers	佳作	生化及生醫工程
BB017	Kim Rafaella E. Reyes	Reyes, Kim Rafaele E., Tacas, Arjay Christopher J., Tayo, Lemmuel L.*, Chen, Bor-Yann*	Mapúa University	Simultaneous bioenergy production and decolorization of Azo, Anthraquinone, and Triphenylmethane dyes using Microbial Fuel Cell	佳作	生化及生醫工程
BB023	王志宇	王志宇, 沈昊憫, 官宜靜*	大同大學	Biochemical characterization of D-amino acid oxidase immobilized onto polydopamine-coated magnetic and silver magnetic nanoparticles	佳作	生化及生醫工程
BB024	賴宜廷	Yi-Ting Lai(賴宜廷)1, Chao-Ling Yao(姚少凌)1, 2, *	元智大學	Developed a Serum-Free Induction Medium for Monocytes Differentiation from Hematopoietic Stem Cells	佳作	生化及生醫工程
BB031	陳香瑀	陳香瑀1, 蔡文沛2, 李孟珊3, 簡秀紋*,1	高雄科技大學	Shark skin patterns for the inhibition of biofilm formation	佳作	生化及生醫工程
BB034	Ching-Fang Su (蘇靖舫)	Ching-Fang Su (蘇靖舫), Jeng-Shiung Jan (詹正雄)*	成功大學	Synthesis of Linear and Star-Shaped Dopamine/Glutathione-Conjugated polypeptides applied in the Treatment of Parkinson' s Disease	佳作	生化及生醫工程

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BB048	林毓婷	Yu-Ting Lin(林毓婷) and Hsien-Hung Wei(魏憲鴻)*	成功大學	Expedited colloidal and molecular trapping by AC electrothermal flow and Its use in realizing ultrasensitive FRET target molecular detection	佳作	生化及生醫工程
BB049	Shuo-Hsiu Kuo (郭碩修)	Shuo-Hsiu Kuo (郭碩修), Po-Ting Wu (吳柏霆), Chih-Chia Huang (黃志嘉), Jiashing Yu (游佳欣)*	臺灣大學	Fabrication of Cu/CuFe ₂ O ₄ @polymer Nanoparticle as a Reactive Oxygen Species Initiator for Combining Glucose-Sensitive Cell Injury and Photothermal Therapy	佳作	生化及生醫工程
BB052	蘇文達	Wen-Ta Su(蘇文達)* and Chia-Chen Tseng(曾家珍)	臺北科技大學	Stem Cells from Human Exfoliated Deciduous Teeth used to Burn Injuries Healing	佳作	生化及生醫工程
BB054	顏孟暉	Yung-Chih Kuo(郭勇志)*, Meng-Hui Yen(顏孟暉), Yung-I Lou(樓庸儀), Rajendiran Rajesh	中正大學	Inhibition against glioblastoma and macrophage phagocytosis using salsic acid-grafted carmustine-encapsulated polyethyleneimine-tamoxifen-poly(lactide-co-glycolide) nanoparticles	佳作	生化及生醫工程
BB055	Hung-Yi Chen (陳弘益)	Hung-Yi Chen (陳弘益) , and Yi-Je Juang (莊怡哲) *	成功大學	Detection of mastitis in dairy cattle by paper-based microfluidics	佳作	生化及生醫工程
BB057	鄭舒云	Po Ting Chen(陳柏庭)*, Shu-Yun Cheng(鄭舒云), Yi-Fen Lin(林宜芬), Po-Chang Su(蘇柏彰), Ming-Zhi Cai(蔡明智)	南臺科技大學	Production and Characterization of Recombinant Thermostable Trehalose Synthase in Escherichia coli Nissle 1917	佳作	生化及生醫工程

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BB062	呂明威	Ming-Wei Lu (呂明威)*, Huan-Chiao Su (蘇煥喬), Akon Higuchi (樋口亞紺)	中央大學	Comparative Study in RGD-containing Motif of Different Extracellular Matrices-derived Synthetic Peptides for Adhesion, Proliferation and Differentiation of Human Pluripotent Stem Cells	佳作	生化及生醫工程
BB063	莊詠涵	Jui-Che Lin(林睿哲)*, Yung-Han Chuang(莊詠涵), Tse-An Lin(林則安), Bing-Hong Tsai(蔡秉宏)	成功大學	Sulfonation and characterization of poly(styrene-ethylene-propylene-styrene)(SEPS) and polypropylene (PP) blends for blood bag applications	佳作	生化及生醫工程
BB064	陳煒欣	BEI HSIN-CHEN, Yu-Shen Cheng	雲林科技大學	Electrospinning of food-grade nanofibers from jelly fig pectin/pullulan blends	佳作	生化及生醫工程
BB071	Jun- Liang Yang (楊浚良)	John, Chi-Wei Lan (藍祺偉)*, Jun-Liang Yang (楊浚良)	元智大學	Evaluation of different wastes as carbon source for polyhydroxybutyrate (PHB) accumulation in Ralstonia eutropha H16	佳作	生化及生醫工程
BB072	Zi-Xiang Lin (林子翔)	Zi-Xiang Lin (林子翔), Chih-Yu Huang (黃智郁), Jo-Shu Chang (張嘉修)*	成功大學	Effect of medium composition on constitutive expression of lysine decarboxylase (CadA) in recombinant Escherichia coli	佳作	生化及生醫工程
BB088	許哲維	Su-Yuan Lai (賴素媛)*, Min-Yang Wang (王敏盈), Hsing-Li Lai (賴鑫立), Hsin-Yu Wei (魏心愉), Che-Wei Hsu (許哲維)	中興大學	Phagocytosis activity of three sulfated polysaccharides purified from a marine diatom cultured in a semi-continuous system	佳作	生化及生醫工程
BB092	陳世傑	Shin-Chieh Chen(陳世傑), Mi-Hsuan Li(李宓璇), Te-Wei Ma(馬德威), Fan-Chiang Yang(楊芳鏘)*	東海大學	Effect of various cultivation strategies on the formation of erinacines in the submerged culture of Hericium erinaceus	佳作	生化及生醫工程

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BB102	Hsiu- Fang, Lin 林秀芳	Hsiu-Fang Lin, Shuo-Hsi Tang, Yung Chang*	中原大學	Design and Development of Bio-inert Zwitterionic ePTFE Membranes for chronic wound recovery	佳作	生化及生醫工程
BB103	畢翔	Jiansin Li (李建信), Xiang Bi (畢翔), Sigitas Tamulevičius, Donats Erts, Chiung-Fen Chang (張瓊芬), Yesong Gu* (顧野松)	東海大學	Construction of a biocompatible and continuous glucose biosensor with the poly(3,4-ethylenedioxythiophene) modified electrode	佳作	生化及生醫工程