

2017 生物醫學工程科技研討會

學生論文競賽得獎名單(壁報論文)

組別	獎項	編號	作者	題目
生醫材料	優勝	134	鈺琇 邱, 良晟 蘇, 建甫 林, 軒愷 楊, 國淵 何 and 美瑾 陳	貼片可溶式鑲嵌型微針作為新一代經皮疫苗緩釋系統(3/3)
	佳作	81	Aiho Liao, Hangkang Chen and Wanting Lin	Estimating the treatment efficacy of ultrasound mediated cisplatin loaded microbubbles cavitation in hypopharyngeal cancer
	佳作	89	Wun-Chang Cheng and Jui-Yang Lai	Antioxidant Gallic Acid-Functionalized Biodegradable in Situ Gelling Copolymers for Cytoprotective Antiglaucoma Drug Delivery Systems
	佳作	135	Yu-Pu Chu, Chih-Jung Ko and Tzer-Min Lee	Controlling drug release through polymer film on bioactive ceramic coating
醫用電子/ 生醫感測	優勝	97	Shu-Hong Huang, Yu- Shin Chang, Kai-Wei Chang, Mong-Hsun Tsai and Nien-Tsu Huang	AN AUTOMATIC MICROFLUIDIC DNA MICROARRAY PLATFORM FOR SNP DETECTION USING A DNA INTERCALATING DYE AND GRAPHENE OXIDE
	佳作	43	Ping-Tzan Huang, Jian- Xing Wu, Tai-Lang Jong, Chien-Ming Li and Chia-Hung Lin	Integration of Photocell Sensors and Intelligent Machine Learning Model to Detect Vascular Access Hemorrhage during Dialysis
	佳作	159	Chang Chun Chieh, Chiu Tzu Keng and Wu Min Hsien	Specific membrane capacitance of single white blood cells
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	佳作	250	亮心 王, 士軒 王, 呈仲 林, 智嘉 黃 and 佳燕 李	半自動化不同時間點之於二維根尖 X 光片影像對位演算法
	佳作	310	Wei-Huan Hsieh and Bao-Yu Hsieh	非接觸式光學同調彈性影像於眼科醫學上之應用 Non-contact Optical Coherence Elasticity Imaging Tool for Ophthalmology
臨床工程	優勝	96	Pei-Shan Ho, Chen-Wei Chou, Yung-Chih Su and Shun-Chi Wu	癲癇高頻震盪分析 - 偵測、定位與癲癇網絡架構
	佳作	41	Dai-Ru Xu	用於腦水腫狀況評估之無線非侵入式多參數監測系統
	佳作	98	Chi-Chun Chen, Yen-Chan Chiu and Ching-Ping Chang	Noninvasive Heart Rate Recording in Free Moving Rats for Ischemic Stroke Prevention
醫療器械	優勝	153	Chia-Wei Chiang, Chi-Yu An, Chung-Hsiang Peng and Ching-Shiow Tseng	Ultrasound image guided robotic HIFU positioning system for targeted therapy
	佳作	127	顧若喬 and 王家鍾	非侵入性骨質疏鬆度測量裝置之研發
	佳作	131	Pei-Tsz Huang, Chan-Ming Wu, Shih-Tsang Tang and Ming-Chen Wang	農藥殘留檢測儀系統開發

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	優勝	13	Ching-Ching Yang, Guan-Lin Huang and Hung-Hsuan She	Toward consistent image quality in prospectively ECG triggered coronary CT angiography for patients in different weight status
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	優勝	110	邱承智，李宇翔	FABRICATION AND CHARACTERIZATION OF INDOCYANINE GREEN – RIFAMPICIN LOADED PLGA NANOPARTICLES FOR PHOTOCHEMO-ANITBACTERIAL THERAPY
	優勝	119	Yu-Chun Lin and Yu- Hsiang Lee	Fabrication and Characterization of EGFR-Targeted Indocyanine Green-Mitomycin C-Incorporated Perfluorocarbon Nano-Agents for Photochemotherapy of Bladder Cancer Cells
轉譯醫學	優勝	132	Kai-Chun Liu and Chia- Tai Chan	Analyzing Aging Behavior via ADL Monitoring and Assessment
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	佳作	116	炤民 吳, 郁凱 黃, 博雲 鄭, 心和 黃 and 吳傳 蔡	語音診斷復健系統之發展-音聲障礙復健遊戲系統
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	佳作	78	渝捷 林 and 亦淇 李	雙頻超音波對神經幹細胞誘導分化和細胞活性的影響
	佳作	207	Ru-Siou Hsu, Shang-Hsiu Hu and Yu-Jen Lu	Directly Accelerated Axonal Outgrowth by injectable NGF-Gradient Microporous Scaffold Assembled from Charged Microgel Building Blocks

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