

Session I

學生英文報告競賽			
優勝			
報告編號	作者	單位	論文題目
EP002	Jing Rou Boo, Chi Van Nguyen, and Kevin C.-W. Wu*	臺灣大學	ZIF-8 derived N-doped nanoporous carbon for furfural-maleic acid conversion under liquid oxidant
EP025	Way-Rong Lin (林瑋榕), I-Son Ng (吳意珣)*	成功大學	Genetic Engineering of <i>Chlorella vulgaris</i> Using the CRISPR/Cas9 System
佳作			
報告編號	作者	單位	論文題目
EP004	Chiung-Han Chen(陳炯翰), Chu-Chen Chueh(闕居振)*	臺灣大學	Multi-layered Quasi-2D Perovskite Tailored by Diamine Cations for Applications of Light-Emitting Diodes
EP005	Zih-Yu Lin and Shiang-Tai Lin*	臺灣大學	The Promotion of Gas Hydrate Formation Upon Addition of Sodium Dodecyl Sulfate: A Molecular Dynamics Simulation Study
EP006	Kuan-Hung Chen (陳冠宏), Po-Yen Lin (林柏諺), Hsin-Lung Chen (陳信龍), Yang-Bao Miao (繆養寶), Chun-Nan Yeh (葉俊男), Yen Chang (張燕) and Hsing-Wen Sung (宋信文)*	清華大學	Phase-Changeable Nanoemulsions for Oral Delivery of a Therapeutic Peptide Directly Targeting Pancreas via Lymphatic Transport for Glycemic Control in Diabetes

EP026	Chih-I Chen(陳芷儀) and Chu-Chen Chueh(闕居振)*	臺灣大學	Improving Performance of Perovskite Solar Cell Using A Stable Biradical Helicene-based Hole-Extraction Layer
EP029	Huan-Chaio Su(蘇煥喬)*, Tzu-Cheng Sung(宋子承), Akon Higuchi(樋口亞紺)	中央大學	Differentiation of Human Pluripotent Stem Cells into Cardiomyocytes Cultured on Thermo-Responsive Polymer Coated with Extracellular Matrix
EP028	Yu-Ru Huang(黃于茹)*, Nien-Ju Ku(古琰如), Akon Higuchi(樋口亞紺)	中央大學	DIFFERENTIATION OF HUMAN AMNIOTIC FLUID STEM CELLS CULTURED ON BIOMATERIALS HAVING NANOSEGMENTS

Session II

學生英文報告競賽			
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報告編號	作者	單位	論文題目
EP011	Chien-Wei Chang (張健威), Chechia Hu (胡哲嘉)*	中原大學	Photocatalytic wastewater treatment using Graphene Oxide modified SrTiO ₃
EP035	Chun-Shen Chang(張淳慎), Chih-Hsiang Shu(舒稚翔), Chen-Ju Liu(劉貞汝), Chih-Chen Hsieh(謝之真)*	臺灣大學	Electrophoretic Separation of DNA by Normal Force in Microchannels
佳作			
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EP012	Shang-Lin Yeh(葉尚霖), Wei-Bor Tsai* (蔡偉博)	臺灣大學	Surface Immobilization of PEG by Pyrogallol Self-Polymerization for Antifouling Application
EP013	Kuan-Ju Lin(林冠汝)*, Jia-Sin Yang(楊佳馨), Akon Higuchi(樋口亞紺)	中央大學	Continuous Culture of hESCs on Thermoresponsive Polymer Surface
EP014	Pei-En Shen (沈培恩), Wei-Bor Tsai (蔡偉博)*	臺灣大學	Metal-Chelate Affinity Purification of Proteins Based on UCST-Type Polymer Poly(allylamine)-co- poly(allylurea)s
EP034	Thao Phuong Nguyen, Yu-Jane Sheng (譚玉真), and Heng-Kwong Tsao (曹恆光)*	中央大學	Stress-Driven Separation of Surfactant Stabilized Emulsions by Superhydrophobic/Superoleophilic Meshes
EP038	Yen-Shao Su, Chun-Hsiang Wang, Tzung-Han Chou, and Li-Hsien Yeh*	臺灣科大	An Innovative Technique to Identify the Solution-Property- Dependent Zeta Potentials of a Nanochannel and Nanovesicles
EP039	Tsai-Wei Lin	臺灣大學	Role of pH Gradient for the Ion Transport and Current Rectification in a Nanopore Functionalized with single pH- tunable Polyelectrolyte Brushes

Session III

學生英文報告競賽			
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報告編號	作者	單位	論文題目

EP022	葉俊毅, Kevin C.-W. Wu (吳嘉文)*	臺灣大學	De novo synthesis Pt-embedded MIL-53(Al)-NH ₂ derived Pt@Al ₂ O ₃ composites for efficient furfural to 1,5-pentanediol conversion with assistance of NaBH ₄
EP044	Meng-Jiy Wang (王孟菊)*, Tai-Chun Tsai (蔡岱均)	臺灣科大	Preparation of Thin films Containing Carboxylic and Amine Functionalities by PECVD to conduct Surface Modification on Rigid Gas Permeable Contact Lens
佳作			
報告編號	作者	單位	論文題目
EP016	Gian Vincent Dizon (賈維森), Maria Thea Rane Clarin, Antoine Venault (費安東), Lemmuel Tayo, and Yung Chang (張雍)*	中原大學	Surface Zwitterionization of Polydimethylsiloxane via Tannic Acid-Iron(III) Complex for Improved Human Blood-inert Properties
EP018	Yung Chang(張雍)*, Shuo-Hsi Tang(唐碩禧)	中原大學	Stable Antifouling Molecular Design of Biomimetic Zwitterionic Interfaces
EP023	Yu-Cheng Lai (賴昱成), I-Son Ng (吳意珣)*	成功大學	Development of High Protein Production from Microalgae for Circular Economy
EP042	Wan-Yi Lin (林宛儀), Jyh-Chiang Jiang *(江志強)	臺灣科大	Theoretical Study on Wetting Behavior of Boron doped Carbon nanotubes: Effects of Doping Concentration

EP043	Meng-Jiy Wang*, Saitong Muneekaew	臺灣科大	Investigation the Cytotoxicity of L-929 Fibroblasts and A-375 Melanoma Cancer Cells Treated with Atmospheric Pressure Plasma Jet (APPJ)
EP045	Chia-Hsin Li(李佳 欣), Chang-Che Tsai(蔡昌哲), Min Yun Liao(廖明筠), Yu-An Su(蘇佑 安), Shiang-Tai Lin(林祥泰), and Chu-Chen Chueh(闕居振)*	臺灣大學	2D SCN-Based Perovskites with Improved Stability and Color-Tunability Enabled by Cs Cation and Halide Substitution