

2023 年物化與分析小組秋季聯合交流會

10/28 日(星期六) 集思台中新烏日會議中心(台鐵新烏日車站) 401 會議室(富蘭克林廳)

10:00-10:15	主辦單位致詞	
Session A Environmental Issues (Chair: 羅世強/黃志清)		
10:15-10:30	王家蓁(中山)	氣膠物化及分析技術之現況與挑戰
10:30-10:45	周崇光(中研院)	Physicochemical characterization of aerosols with implications for urban air quality
10:45-11:00	林志民(中研院)	Building an oxidation reactor to study the secondary organic aerosol formation in Taiwan
11:00-11:15	許瑞峯(海大)	全球微型塑膠的流布及微量分析的挑戰
11:15-11:30	陳頌方(師大)	Differential Metabolomics for Mouse Liver Induced by Microplastics Utilizing SWATH-based Mass Spectrometry
11:30-11:45	周文臣(海大/碳匯)	Synergy of organic metabolism and carbonate dissolution can act as an ideal blue carbon sink: evidences from the seagrass meadows of Dongsha Island
11:45-11:55	綜合討論	
11:55-13:00	午餐討論：學門業務介紹與討論	
Session B Exosome and Biological Applications (Chair: 徐尚德)		
13:00-13:15	賴品光(中研院)	Reappraisal of Cancer EVs & Therapeutic Implications: Big and Small Evs
13:15-13:30	何佳安(台大)	Nanotechnology in the Development of Sensors and Therapeutic Strategies
13:30-13:45	李偉鵬(高醫大)	Evolution of Functionalized Nanomaterials from Surface Chemical Modification to Membrane Encapsulation
13:45-13:55	綜合討論	
13:55-14:25	茶敘交流	
Session C Net Zero Technology: Materials Perspective (Chair: 薛景中)		
14:25-14:40	李君婷(師大)	Metal-Organic Chalcogenolate Frameworks and Air-stable Perovskite Electrocatalysts for Dye-Sensitized Solar Cells
14:40-14:55	林煒淳(中山)	應用表面分析技術於混合型鈣鈦礦薄膜光致降解機制之探討
14:55-15:10	柯富祥(陽明交大)	Implications for Global Net-zero Emissions from Piezo-enhanced Thermoelectric and Sustainable All-day Radiative Cooling Materials
15:10-15:25	包淳偉(中研院)	多尺度模擬與能源材料-是非成敗經驗談 (Multiscale Simulations and Energy Materials - Case Studies)
15:25-15:40	郭宗枋(成大)	The progress toward the fabrication of efficient two terminals perovskite/Si tandem solar cell
15:40-15:50	綜合討論	



主辦單位：中央研究院 / 國科會物理化學及分析化學學術小組

會議籌劃：徐尚德(中研院) / 李弘文(臺大) / 黃志清(海大) / 薛景中(中研院) / 羅世強(臺大)