**Schedule of Presentations: Poster Session**

**Biomaterials/Nanomedicine**

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| **Nov. 1 (Friday) 12:30~14:00 1F Lobby of the Dept. Chemistry** | | | |
| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-1 | G1-015 | **Chia-Jung Chen**  National Chung Hsing University, Taiwan | An 3D In Vitro Model For Investigating The Interactions Between Human Monocytes And Breast Cancer Spheroids. |
| PG6-2 | G1-018 | **Yang Zih-Syuan**  National Chung Hsing University, Taiwan | Expressions Of PGE2 In A 3D In Vitro Model Of Human Breast Cancer Under Hyperglycemic Conditions. |
| PG6-3 | G6-005 | **Yi-Shan Lin**  China Medical University, Taiwan | Enhancement Of Biocompatibility And Biofunctionality In Human Skin Fibroblasts Using Pullulan/Collagen/Silver Nanoparticle Composite Films. |
| PG6-4 | G6-012 | **鄭汶綺**  **國立中興大學** | Microfluidic 2D In Vitro Cell Models: Building Vascular Biochips. |
| PG6-5 | G6-015 | **Yu-Ting Lin**  National Taiwan University of Science and Technology, Taiwan | Dual-Functional Co-Polypeptide Materials For Neural Tissue Engineering. |
| PG6-6 | G6-021 | **Zi-Ming Zeng**  National Chung Hsing University, Taiwan | Tumor-Targeted Delivery Of Hyaluronic Acid/Polydopamine-Coated Fe2+-Doped Nano-Scaled Metal-Organic Frameworks With Doxorubicin Payload For Glutathione Depletion-Amplified Chemodynamic-Chemo Cancer Therapy. |
| PG6-7 | G6-031 | **Helen Nguyen**  Taipei Medical University, Taiwan | Paracrine-Based Cardiac Tissue Protection With Microstructured PLGA/PLA Scaffolds And Stem Cell-Derived Spheroids. |
| PG6-8 | G6-036 | **Shin-Rong Tsai**  National Cheng Kung University, Taiwan | Construction Of A Novel Photocured Polymer Nerve Conduit And Assessment Of Its Potential In Improving Peripheral Nerve Injury. |
| PG6-9 | G6-037 | **Chen-Yu Wang**  National Cheng Kung University, Taiwan | Synthesis And Evaluation Of Macrophage Membrane-Coated Ibuprofen-TEG-Mnfe2o4 Nanoparticles For MRI Imaging, Tracking, And Inflammation Inhibition In Neuropathic Pain. |
| PG6-10 | G6-038 | **Chun-Wei Hs**  Taipei Medical University, Taiwan | Impact Of Micropore Structural Design On The Performance Of Calcium Phosphate Coatings On 3D-Printed Metallic Surfaces. |
| PG6-11 | G6-039 | **Tzu-Erh Chen**  China Medical University, Taiwan | Preparation Of Copper Nanoclusters Using Sulfur-Containing Hyperbranched Polymers. |
| PG6-12 | G6-045 | **Chih-Kuang Chen**  Taipei Medical University, Taiwan | Enhanced Osteoarthritis Attenuation Using A Cold Atmospheric Plasma-Reinforced Micro/Nano-Biomimetic Hybrid Carrier Loaded With Platelet Lysate. |

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| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-13 | G6-047 | **Sheng-Liang Chen**  National Tsing Hua University, Taiwan | 改善腫瘤微環境與增強免疫治療之奈米粒子搭載趨化因子受體拮抗劑於肝細胞癌之治療 |
| PG6-14 | G6-055 | **Siang-Ying Lai**  National Yang Ming Chiao Tung University, Taiwan | Effects Of The Conditioned Media Obtained From Biodegradable Mg-Zn-Sn Alloys On Human Dental Pulp Stem Cells. |
| PG6-15 | G6-056 | **Dora Livkisa**  Taipei Medical University, Taiwan | Platelet Derived Extracellular Vesicle Application For Kidney Hypoxia/Reoxygenation Injury Therapy. |
| PG6-16 | G6-064 | **Hsia-Wei Liu**  Fu Jen Catholic University, Taiwan | Gelatin Methacrylate Based Bioink Containing Antioxidants In Three Dimensional Bioprinting For Hepatic Tissue Engineering. |

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| **Nov. 2 (Saturday) 9:40~11:10 1F Lobby of the Dept. Chemistry** | | | |
| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-1 | G6-010 | **Yu-Quan Yang**  National Cheng Kung University, Taiwan | Inhalable Ph-Sensitive Liposome Formulation Of PD-L1 Inhibitor And Cisplatin For Combination Therapy In Early-Stage Lung Cancer Treatment. |
| PG6-2 | G6-017 | **Sheng-Han Yun**  Hungkuang University, Taiwan | Impact Of Laser Surface Texturing And Oxidation On Tizrta Coatings With Various Patterns On The Cytotoxicity And Cell Viability Of MG-63 Cells. |
| PG6-3 | G6-018 | **Kuan-Chen Kung**  National Cheng Kung University, Taiwan | Heat Treatment Effects On Characteristics And Mechanical Properties Of Coatings Containing Strontium Or Zinc On Titanium By Micro-Arc Oxidation. |
| PG6-4 | G6-032 | **Winnie Weng**  Taipei Wego Private Senior High School, Taiwan | Study Of Extracellular Vesicles In The Patients With Renal Disease And The Healthy People. |
| PG6-5 | G6-033 | **劉奕岑**  國立臺灣科技大學 | 二甲雙胍包覆含氧微氣泡結合超音波開啟耳蝸血迷路屏障 |
| PG6-6 | G6-034 | **Hsi-Ling Hsiao**  National United University, Taiwan | Application Of Human Mesenchymal Stem Cell Exosomes In Reducing Inflammatory Responses In Cartilage Tissue. |
| PG6-7 | G6-046 | **Ming-Tse Lin**  National Cheng Kung University, Taiwan | Develop A Decellularized Tendon Scaffold With Anti-Adhesion Nanofibrous Membrane To Prevent Postoperative Tendon Adhesion For Tendon Tissue Engineering. |
| PG6-8 | G6-048 | **古崇德**  長庚大學 | 以氧化褐藻酸鈉微膠囊包覆細胞相容性及毒性研究 |
| PG6-9 | G6-049 | **Teng-San Hsieh**  National Tsing Hua University, Taiwan | A Method To Radiolabel Polyethylene Glycol (PEG) Nanoparticles With Nucleophilic F-18 Fluoride. |

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| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-10 | G6-050 | **Liu Hsia-Wei**  Fu Jen Catholic University, Taiwan | Exploring New Trichoderma Species In The Harzianum Clade Fermented Extractions For Modulation Of The Inflammatory Response And Wound Healing In Full-Thickness Skin Equivalent Model. |
| PG6-11 | G6-061 | **王孝銓**  長庚大學 | 口服遞送透明質酸修飾殼聚醣/Tpp奈米顆粒的最佳化及初步生物評價 |
| PG6-12 | G6-068 | **Chih-I Huang**  National Tsing Hua University, Taiwan | 開發胜肽修飾之奈米載體在胰臟癌之應用 |
| PG6-13 | G6-071 | **林垣百**  長庚大學 | 金奈米粒子對含氧微粒增加ROS效率評估 |
| PG6-14 | G6-077 | **游雅清**  臺北醫學大學 | Anti-Angiogenic Effects Of Epigallocatechin-3-Gallate (EGCG) Nanoparticles In A Zebrafish Model. |
| PG6-15 | G6-084 | **Pei-Zhen Chen**  National Tsing Hua University, Taiwan | Hydrogen-Bonded Organic Framework (Hofs) Encapsulating Α-IO Carrying Ruthenium Compounds In Synergy With Nitric Oxide For Immunotherapy Of Oral Cancer And Prevention Of Lymphatic Metastasis. |
| PG6-16 | G6-088 | **Pin-Tzu Su**  National Yang Ming Chiao Tung University, Taiwan | Biodegradable Nanoparticles Coated With Fucoidan And Melatonin Enhancing Chemotherapy Efficiency In Triple-Negative Breast Cancer. |

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| **Nov. 2 (Saturday) 14:10~15:40 1F Lobby of the Dept. Chemical** | | | |
| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-1 | G6-007 | **Yu-Yuan Ku**  Ming Chi University of Technology, Taiwan | Fabrication Of Polymer Bioscaffolds By Blending Polycaprolactone With Nerve Growth Stimulating Poly(Γ-Benzyl-L-Glutamate). |
| PG6-2 | G6-023 | **Shun Yi Huang**  Chang Gung University, Taiwan | The Therapeutic Signifycance Of Bimetallic Nanocluster As A Radiosensitizer For Imaging Guided Radiotherapy. |
| PG6-3 | G6-025 | **洪世霈**  國立臺灣科技大學 | 探討超音波誘導裝載薄荷醇微氣泡穴蝕效應於下咽癌細胞治療與正常皮膚角質生成細胞之影響機制 |
| PG6-4 | G6-027 | **Yu-Wei Tseng**  National Cheng Kung University, Taiwan | Target-Delivery Of Microbubble By Acoustic Vortex Ultrasound. |
| PG6-5 | G6-028 | **Ling-Hsuan Yang**  National Cheng Kung University, Taiwan | An Innovative Fept Nano-Sonosensitizer For Ferroptosis-Driven Sonodynamic Therapy. |
| PG6-6 | G6-030 | **Tzu Yu Lin**  National Cheng Kung University, Taiwan | Develop A Type Of Nanomaterial Capable Of Inducing Ferroptosis In A Hypoxic Tumor Microenvironment And Evaluate Its Therapeutic Efficacy. |
| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-7 | G6-043 | **Yu-Hao Tseng**  National Cheng Kung University | Rapid Fabrication Of Cell-Based Microfluidic Devices By Utilizing Stereolithography 3d-Printing. |
| PG6-8 | G6-054 | **Ming-You Shie**  Asia University, Taiwan | Evaluation Of Light-Curable Lung Decellularized Extracellular Matrix For Lung Tissue Engineering. |
| PG6-9 | G6-058 | **Wan-Ling Chu**  National Cheng Kung University, Taiwan | In Vitro Assessment Of A Double Base Photo-Crosslinking Hydrogel With Manganese Ion For Osteoarthritis Treatment. |
| PG6-10 | G6-069 | **Anh Hue Luong**  National Sun Yat-sen University, Taiwan | Development Of Eco-Friendly Polyvinyl Alcohol/ Sodium Alginate Hydrogel-Nanofiber Scaffolds With Enhanced Biocompatibility For Wound Dressing Applications. |
| PG6-11 | G6-070 | **徐子驊**  **中原大學** | Synthesis And Verification Of Nanoparticle Protein Corona And Their Opportunities As Glucose-Sensitive Nanodevice. |
| PG6-12 | G6-074 | **Meng-Tsz Yen**  Taipei Medical University, Taiwan | Preparation Of Gelatin-Tetrahydroxystilbene-2- O-**Β**-D-Glucoside(THSG) Self-Assembled Nanoparticles For Dry Eye Treatment. |
| PG6-13 | G6-076 | **Pin-Jun Liao**  Chung Yuan Christian University, Taiwan | Precision Labeling Of Extracellular Vesicles On The Home-Made Dark-Field Nano-Biochip. |
| PG6-14 | G6-079 | **黃貴湘**  **國立陽明交通大學** | Combination Of Nanomedicines And Silica Microspheres As An Embolic System For Treating Hepatocellular Cancer. |
| PG6-15 | G6-085 | **張云瑄**  **國立清華大學** | Oral-Delivered Carbon Monoxide-Mediated By Titanium Carbide Nanosheets To Eliminate ROS And Inhibit Macrophage Polarization For Treating Inflammatory Bowel Disease. |
| PG6-16 | G6-087 | **陳奕璇**  國立陽明交通大學 | 利用藥物共治療將負載吖啶黃和法舒地爾奈米載體運送至胰臟癌之應用 |

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| **Nov. 3 (Sunday) 10:10~11:20 1F Lobby of the Dept. Chemical** | | | |
| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-1 | G6-004 | **Jada Paige Elfridge**  National Cheng Kung University, Taiwan | Chitosan Nanoparticle-Based Gene Therapy For Dystrophic Epidermolysis Bullosa (DEB). |
| PG6-2 | G6-006 | **Yuen-Shan Tsai**  National Taiwan University, Taiwan | Enhanced Bio-Compatible Polyurethanes Derived From Isosorbide With Superior Mechanical Properties And Eucalyptol Solubility For Dental Root Canal Obturation. |
| PG6-3 | G6-016 | **Hui-Yi Hsiao**  Chang Gung University, Taiwan | Lymphatic Endothelial Cells In Shear-Exposed Model Promote Lymphatic Vessel Regeneration. |
| **Poster No.** | **Paper No.** | **Presenter** | **Title** |
| PG6-4 | G6-019 | **Chen-Yu Kao**  National Taiwan University of Science and Technology, Taiwan | Preparation And Investigation Of Novel Decellularized Matrix Hydrogels For Pulmonary Delivery. |
| PG6-5 | G6-020 | **Priyanka Chaudhary**  Ming Chi University Of Technology, Taiwan | Enhancement Of Mechanical Properties Of Hydrogel Using Cellulose-Nanofibers/ Polypeptide (CNF/PLL80GA20) For Tissue Engineering. |
| PG6-6 | G6-022 | **Gizem Canko**  National Chung Hsing University, Taiwan | Developing A Microfluidic 3D In Vitro Model Of Tumor Microenvironment For Studying Drug Delivery. |
| PG6-7 | G6-024 | **ChuYu Chang**  National Chung Hsing University, Taiwan | Recombinant Expression Of Serglycin As A Bioactive Material For Enhancing Wound Healing. |
| PG6-8 | G6-026 | **Chi-hsin Yu**  Fu Jen Catholic University, Taiwan | 3D Mesenchymal Stem Cell Spheroids Using Droplet-Based Microfluidics Enhanced Anti-Inflammation And Angiogenic Properties For Promoting Wound Healing. |
| PG6-9 | G6-053 | **Manidipa Pandey**  Taipei Medical University, Taiwan | Investigating Cardioprotection By Extracellular Vesicle Modulation Of Ferroptosis. |
| PG6-10 | G6-059 | **Yi-Chun Chou**  National Taipei University of Technology, Taiwan | The Development And Application Of Gelatin-Based Modified Hemostatic Powder In Upper Gastrointestinal Bleeding. |
| PG6-11 | G6-063 | **Hsiu-Min Chen**  China Medical University, Taiwan | 三維列印支架接枝兒茶素於骨母細胞再生之評估 |
| PG6-12 | G6-065 | **Chia-Yueh Hsiung**  National Tsing Hua University, Taiwan | 開發調節巨噬細胞之奈米粒子應用於發炎性腸道疾病治療 |
| PG6-13 | G6-073 | **王鈞緯**  屏東科技大學 | 運用電化學加速鹼化處理對鈦合金表面性質之影響 |
| PG6-14 | G6-080 | **Guan-Ting Lai**  Asia University, Taiwan | Effect Of Cell Aggregates And Material Combinations On Vascular Formation And Tubulogenesis. |
| PG6-15 | G6-081 | **Yu-Hsiang Liao**  Asia University, Taiwan | Development Of Skin Organoids For Application In Skin Injury Repair. |
| PG6-16 | G6-083 | **C.-H. Chuang**  Chung Yuan Christian University, Taiwan | The Study Of Magnetofluorescent Carbon Dots For Bioimaging In Breast Cancer Bearing Mice. |