

## Session D1: Biomedical Science & Engineering

June 23 (Friday), Room AC 122, 1<sup>st</sup> floor International Conference Hall

### 16:40 Invited Speech

Polyanhydride copolymers/surface grafted hydroxyapatite composites for bone tissue application

Prof. I-Ming Chu

Department of Chemical Engineering, National Tsing Hua University, Hsinchu, Taiwan

### 17:05 Invited Speech

Prof. Grrace Ng

Faculty of Applied Sciences, UCSI University Kuala Lumpu

### 17:30 Invited Speech

CB1 antisense oligonucleotide therapy attenuates carbon tetrachloride induced liver fibrosis mice model

Prof. Chang-Chun Hsiao

Graduate Institute of Clinical Medical Chang Gung University

## Session D2: Biomedical Science & Engineering

June 24 (Saturday), Room AC 122, 1<sup>st</sup> floor International Conference Hall

### 14:00 Invited Speech

Single-cell dynamics underlie basal-like breast cancer heterogeneity

Prof. Chun-Chao Wang

Institute of Molecular Medicine & Department of Medical Science, National Tsing Hua University

- 14:25** D-1: Using baculovirus-mediated mir-214 sponges switch osteoporotic ascsc from adipogenesis to osteogenesis for osteoporotic bone defects repair  
*Vu Anh Truong, Kuei-Chang Li, Yu-Han Chang and Yu-Chen Hu\*, National Tsing Hua University, Hsinchu, Taiwan*

- 14:40** D-2: Novel biocompatible porous scaffold for wound repair and tissue engineering  
*Chung-Yen Chang, Hung-Hsun Yen, Yu-Shen Cheng and Hui-Min David Wang\*, National Yunlin University of Science and Technology, Yunlin, Taiwan*

**14:55** D-3: Layer-by-layer plasma deposition of biocompatible polyacrylic acid and polyallylamine hybrid thin films

*Yi-Zeng Sun and Meng-Jiy Wang\*, National Taiwan University of Science and Technology, Taipei, Taiwan*

**15:10** D-4: Transcutaneous administration of poly- $\gamma$ -glutamic acid microneedles ameliorates atopic dermatitis-like lesions in Nc/Nga mice by negatively regulating IgE, IgG1 and IgG2a

*Chia-Sui Chen and Mei-Chin Chen\*, National Cheng Kung University, Tainan, Taiwan*