# Young Investigator Competition

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| **Nov. 2 (Sat.) 15:40~17:30 3F Room 36308**  **Chair：Prof. Yeau-Ren Jeng 鄭友仁教授**  (Department of Biomedical Engineering, National Cheng Kung University, Taiwan.)  **Prof. Cheng-Hsin Chuang 莊承鑫教授**  (Institute of Medical Science and Technology, National Sun Yat-sen University, Taiwan.) | | |
| **Paper NO.** | **Presenters** | **Title** |
| G1-034 | **Tsan-Yang Chen**  Chia Nan University of Pharmacy and Science | Effects of Age and the Functional Footwears on Three-Dimensional Kinematic Data in Toddlers |
| G2-027 | **Yin-Shen Cheng**  National Taiwan University | Real-time monitoring of the photothermolysis induced by laser therapy with dynamic optical coherence tomography |
| G2-028 | **Chien-Hua Peng**  National Taiwan University | Real-time, long-range SS-OCT imaging based on the HCG-VCSEL light source |
| G3-024 | **Ching-Heng Lin**  Chang Gung Memorial Hospital | Development and Validation of a Deep Learning-Based Survival Analysis Model for Heart Failure Prediction Using 12-lead Electrocardiograms |
| G4-011 | **Kiran Kaladharan**  National Tsing Hua University | Multiplex Detection of SARS-CoV-2 Variants using a SERS Barcoding-based Platform with a Portable Raman Spectrometer |
| G5-058 | **WanLou Lei**  National Yang Ming Chiao Tung University | Biodegradable Viscoelastic Hydrogel Electrocorticography Grids Enable Enhanced Diagnosis and Treatment of Ischemic Stroke |
| G6-029 | **Chieh-Cheng Huang**  National Tsing Hua University | Development of an MSC Spheroid-Derived 3D Decellularized ECM Scaffold Enriched MSC Secretome as a Pro-regenerative Biomaterial for Brain Repair |
| G6-091 | **Ying-Chi Chen**  National Cheng Kung University | Electroactive membrane fusion-liposome for increased electron transfer to enhance radiodynamic therapy |
| G6-009 | **Nithil Kennedy**  Imperial College London, United Kingdom | Developing a Dynamic Trophoblast Stem Cell-Derived Placenta-on-a-Chip Model of the Placental Barrier |