

# 2022 ARTIFICIAL INTELLIGENCE SMART HEALTHCARE INTERNATIONAL CONFERENCE

DECEMBER 10

- 07:30-08:05** Registration
- 08:05-08:10** Opening Ceremony **Dr. Chi-Chun Lai**, President of Chang Gung Memorial Hospital, Keelung Branch
- 08:10-08:15** Group Photo
- 08:15-08:20** Welcoming & Introduction **Dr. Chih-Lang Lin**, Director of the CMRC Centre
- SESSION 1** **Dr. Pin-Yuan Chen**
- 08:20-09:10** Artificial Intelligence-assisted Discovery of Trans-omics Biomarker Signature that Reveals Molecular Mechanism Involving Inter-organ Communication in Diabetic Kidney Disease **Dr. I-Wen Wu**
- 09:10-10:00** Applications of Machine Learning Techniques in the Cohort Study: Our Experience **Dr. Ting-Shuo Huang**
- SESSION 2** **Prof. Shao-Jen Weng**
- 10:00-10:10** Break
- 10:10-10:50** Data Science and Decision Analytics in Health Applications **Prof. Chun-An Chou**
- 10:50-11:40** Healthcare Systems Consortium and Innovative Healthcare Systems for Hospitals **Prof. Shao-Jen Weng**
- 11:40-13:00** Lunch & Poster session online
- SESSION 3** **Dr. Chih-Lang Lin**
- 13:00-13:50** Illuminating Genomic Dark Matter through Machine Learning **Prof. Hua-Sheng Chiu**
- 13:50-14:30** Using Machine Learning Algorithms to Identify Important Mutations and Their Interactions that May Cause Lineage Assignment Change of SARS-CoV-2 on PangoLEARN **Dr. Kuan-Fu Chen**
- 14:30-15:20** Uncovering The Dependency of Deep Learning Performance on Structural Differences of Preoperative and Post Operative MRIs for Glioblastoma **Kang-Lin Hsieh, PhD**
- 15:20-15:30** Closing Remarks **Dr. Ming-Jui Hung**, Vice President of Chang Gung Memorial Hospital, Keelung Branch

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