

## Curriculum Vitae

# Jimmy Ming-Yuan Huang

MD, MSc, Assistant Professor of Medicine



### Education

M.D.

2001

College of Medicine, Kaohsiung Medical University, Taiwan

M.Sc., Genomic and pathway biology

2011

Department of Pathway Medicine, School of Medicine, University of Edinburgh, UK

### Current Positions

Director of Digital Medicine, Center of Biomedical Development  
Innovation and Incubation, Mackay Memorial Hospital, Taipei

Senior Attending Physician, Emergency Department, Mackay  
Memorial Hospital, Taipei

Assistant Professor, Emergency Medicine, Mackay Medical College,  
Taipei

Standing Director, Taiwan Society of Engineering and Practical  
Medicine.

Assistant Editor, Board of Editor, International Journal of Gerontology,  
Elsevier

### Research Interests

Mobile Health, Medical Informatics, Point-of-Care Testing, Critical  
Medicine, Geriatric Medicine

## Biography

Jimmy Ming-Yuan Huang received his M.D. in 2000, finished residency program in Emergency Medicine, and currently serves as Senior Consultant in that field at MacKay Memorial Hospital, Taipei, Taiwan. Also, he is now serving as the Assistant Professor of Emergency Medicine at MacKay Medical College and as Director of Digital Medicine at Center of Biomedical Development, Innovation and Incubation at MacKay Memorial Hospital. In 2011, Dr. Huang obtained his M.Sc. from The University of Edinburgh, and was recruited to develop a point-of-care detection platform for multi-drug resistance pathogens in UK.

Aside from leadership for clinical research and development of rapid diagnostic biochips, Dr. Huang has a passion for leveraging information technology to empower patient and healthcare provider. In particular, he is fascinated by mobile and cloud technology on healthcare system. His research team has been awarded funding by the National Science Council for innovating and implementing IT in Education. In addition, Dr. Huang led his team to win the Innovation Award from the Ministry of Economic Affairs this year for the design and deployment of a mobile platform for managing medication adherence issues at an institutional level. In this project, Dr. Huang sees the transformative potential and the impact of digital technology to the healthcare services in Taiwan in the near future. He currently provides consulting services to many ICT corporate companies.

Dr. Huang's research interest includes 1) next-generation healthcare, with focus on mHealth and telehealth to facilitate patient engagement for people with chronic diseases, 2) rapid development and scaling of conceptual prototypes that integrate IoT features into medical devices, 3) educational technology using virtual/ augmented reality and mobile learning to enrich the experience in medical education, 4) IT-enhanced tools for data processing and visualization that help patient-physician communication in clinical medicine. He is currently exploring the subjects using clinical trials as well as data technology in both MacKay Memorial Hospital and MacKay Medical College.