

2021 Healthy Longevity Grand Challenge Competition Winners

2021 年健康長壽大挑戰計畫獲選名單

獲選名單	研究主題
詹大千研究員 中央研究院人文社會科學研究中心 Ta-Chien Chan, PhD Research Center for Humanities and Social Sciences Academia Sinica	以口香糖咀嚼、影像辨識與個人健康資訊整合改善高齡者咀嚼功能與營養 Improving elderly masticatory function and nutrition by chewing gum, image recognition, and personal health informatics
劉議謙醫師 財團法人天主教新店耕莘醫院 Yi-Chien Liu, MD, PhD Cardinal Tien Hospital Xindian District	以語言分析來預測高齡族群的病態性老化 Connected speech analysis in elderly population
林靜嫻醫師 國立臺灣大學醫學院附設醫院神經部 Chin Hsien Lin, MD Department of Neurology National Taiwan University Hospital	結合多面向生物特徵感知平台以早期偵測出無主觀症狀之巴金森氏症患者 A multidomain biometric sensing platform that detects asymptomatic prodromal phase of Parkinson's disease
邱俊誠教授 國立陽明交通大學電控工程研究所 Jin-Chern Chiou, PhD Institute of Electrical and Control Engineering National Yang Ming Chiao Tung University	用於早期檢測肌少症的新型 TtT 篩檢系統 Novel top-to-toe screening system for early detecting sarcopenia
賴威達副教授 中國醫藥大學醫學院生物醫學研究所 Ted Weita Lai, PhD Graduate Institute of Biomedical Sciences China Medical University	調整電影與電視節目之刷新率，大規模預防老化造成的智力衰退 Population-wide preventative treatment of aging-associated cognitive impairment via adjustment of movie and TV shows frame and refresh rates
周資傑博士 Tzu-Chieh (Jake) Chou, PhD Electrical Engineering California Institute of Technology	基於磁阻尼原理的無創內臟導電度造影 Noninvasive magnetic damping method to image the electrical conductivity of the internal organs
吳炳慶教授 國立成功大學生物醫學工程學系 Ping-Ching Wu, PhD Department of Biomedical Engineering National Cheng Kung University	精準口腔醫學-使用噬菌體噴霧快速無痛治療牙周病 Oral Precision Medicine - Rapid and painless treatment of periodontal disease using a bacteriophage spray