同意書編號 NUM：AS-IRB02-107185 日期 Date：2018/06/07	**中央研究院醫學研究倫理委員會** **研究計畫審查通過證明** *Certificate of Approval*	IRB02 修訂日期 Revised Date： 1217’2015

申請案編號 Application No：AS-IRB01-15053(R2)

計畫名稱 Project title：

總計畫：運用腦科學之技術及介入方法，增進兒童與老年人的心智資本與健康福祉

子計畫一：整合多感官訊息於聽覺輔具架構及聽損者訓練平台

子計畫二：認知控制與注意力的發展與預防退化研究

子計畫三：回想過去與瞻望未來：年長者日常生活中前瞻記憶功能的評估與訓練

子計畫四：以腦波與眼動測量探討閱讀理解與額葉執行功能之關聯與認知訓練成效

Title: To optimize mental capital and well-being in children and elders through brain science technologies and intervention

Sub-project 1: Integration of visual and audio information for hearing assistive framework and application in the assessment and intervention in speech-language therapy and aural rehabilitation

Sub-project 2: Age-related development and decline in cognitive control and attention

Sub-project 3: Remembering the past and planning the future in older adults’ everyday life: the evaluation of prospective memory function in the elderly and its training

Sub-project 4: Using ERPs and Eye-tracking to investigate how executive function contributes to reading comprehension and the effectiveness of cognitive training

申請人 Project Investigator：李佳穎 Chia-Ying Lee

合作機構 Collaborating Institute(s)：

曹昱、Yu Tsao / 資訊科技創新研究中心 Research Center for Information Technology Innovation

張秀雯、Hsiu-Wen Chang / 馬偕醫學院聽力暨語言治療學系、Department of Audiology and Speech Language Pathology, Mackay Medical College (子計畫一主持人)

阮啟弘、Chi-Hung Juan / 中央大學認知神經科學研究所、Institute of Cognitive Neuroscience, National Central University (子計畫二主持人)

鄭仕坤、Shih-Kun Cheng / 中央大學認知神經科學研究所、Institute of Cognitive Neuroscience, National Central University (子計畫三主持人)

蔡介立、Jie-Li Tsai / 政治大學心理學系暨心理學研究所、Department of Psychology, National Chengchi University

楊明道、Ming-Tao Yang / 亞東醫院紀念醫院一般兒科、Department of Pediatrics, Far Eastern Memorial Hospital

執行期間 Project Duration: From 2016/03/23 to 2019/06/30

核准日期 Approval Date：2018/06/07

有效期限 Due Date：From 2018/06/07 to 2019/06/30

進度或成果報告 Progress Report：

1.請於 2019/03/22 前繳交進度或成果報告至本委員會追蹤審查。
The progress report should be submitted to the IRB at Academia Sinica before 2019/03/22 for continuing review.
2.如向衛生福利部定期提出進度或成果報告，需將完整報告內容副知本委員會。
If Progress reports are submitted to the Department of Health, a copy should be submitted to the IRB at Academia Sinica.
3.如研究對象有不良反應，應即時向主管機關報告並副知本委員會。
All the adverse events are required to be reported to the official institute and IRB of Academia Sinica promptly.

附註意見 Additional Opinion：

欲檢閱者，請向本委員會依程序申請。

提醒事項 Reminder：

1.若需與研究對象溝通（如與研究對象通信、致贈禮物等），與研究對象溝通之文件、信件或禮物，須經本委員會審核通過後方可進行。Any materials (correspondence, brochure, compensation, etc.) provided to subjects, must be approved by the IRB of Academia Sinica.
2.未經本委員會審核通過即實施研究或變更研究計畫內容者，不得使用或保存於審查通過或同意變更前收集之檢體或資料。計畫主持人或其他成員仍予使用或保存者，主管機關得依人體研究法第22條處計畫主持人之研究機構新臺幣10萬元以上、100萬元以下之罰鍰、命令終止研究及公布研究機構名稱。
Amendments of an approved research protocol shall be submitted for IRB approval prior to its implementation. Where any research entity affiliated principal investigator or research personnel are subject to violate of that, the responsible ministry of central government may fine the research entity a penalty in the amount of no less than NT$100,000 nor more than NT$1,000,000, may terminate the research, and may publish the name of the research entity so penalized.

茲 證明上項醫學研究計畫(AS-IRB-BM-15053 v.3)，包括計畫書、研究對象說明同意書、問卷、招募廣告，已經本委員會之審核，並同意此計畫之內容符合本委員會所訂定之醫學研究倫理標準。
The above named study proposal(AS-IRB-BM-15053 v.3) has been reviewed, along with the informed consent form, questionnaire, and recruitment announcement, and found to conform with the guidelines set forth by IRB on Biomedical Science Research / IRB-BM Academia Sinica.