

同意書 編號 AS-IRB02-107085 NUM : 日期 Date : 2018/02/27	<b>中央研究院醫學研究倫理委員會</b> <b>研究計畫審查通過證明</b> <i>Certificate of Approval</i>	IRB02 修訂日期 Revised Date : 1217' 2015
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申請案編號 Application No :

AS-IRB01-16056(R2)

計畫名稱 Project title :

總計畫：跨生命週期的動態語言理解神經補償機制子計畫一：自然閱讀的年齡差異：以眼動凝視為事件關聯的超快速功能性大腦造影研究子計畫二：老化對語言理解歷程中線索使用能力之影響及其神經補償機制子計畫三：健康老化的語言神經認知網絡在理解句法相關資訊時的補償機制子計畫四：大腦認知控制網絡在閱讀數學應用題時的發展與補償機制

Dynamic neural compensation for language comprehension across life span; Subproject 1: Age differences in natural reading: Studies of eye fixation-related and ultra-fast functional brain imaging; Subproject 2: Aging-related neural compensation for making use of linguistic cues in language comprehension; Subproject 3: Neural and cognitive reprogramming for syntax-related language comprehension in healthy aging; Subproject 4: The development and neural compensation of cognitive control circuits in reading arithmetic word problems

申請人 Project Investigator :

李佳穎 Chia-Ying Lee

合作機構 Collaborating Institute(s) :

蔡介立 (Jie-Li Tsai) / 國立政治大學心理系/心智、大腦與學習研究中心 Research center for Mind, Brain, and Learning, National Chengchi University

林發暄 (Fa-Hsuan Lin) / 國立台灣大學醫學工程學研究所 Institute of Biomedical Engineering, National Taiwan University

李佳霖 (Chia-Lin Lee) / 國立台灣大學語言所 Graduate Institute of Linguistics, National Taiwan University

吳恩賜 (Joshua Goh Oon Soo) / 國立臺灣大學醫學院腦與心智科學研究所 Graduate Institute of Brain and Mind Sciences, National Taiwan University

張葦葦 / 國立政治大學心智、大腦與學習研究中心 Research center for Mind, Brain, and Learning, National Chengchi University

執行期間 Project Duration:

From 2017/01/01 to 2019/12/31

核准日期 Approval Date :

2018/02/27

有效期限 Due Date :

From 2018/02/27 to 2019/12/31

進度或成果報告 Progress Report :

1.請於 2018/12/31 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 2018/12/31 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.

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茲 證明上項醫學研究計畫(AS-IRB-BM-16056 v.3)，包括計畫書、研究對象說明同意書、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-16056 v.3) has been reviewed, along with the informed consent form, and recruitment announcement, and found to conform with the guidelines set forth by IRB on Biomedical Science Research / IRB-BM Academia Sinica.

