

Current Positions

- 2025 - : Research Professor, Department of Psychiatry, University of Cambridge
- 2020 - : Professor of Neuroimaging, Department of Neuroscience, University of Sheffield

Education and Qualifications

- 2003 - 2008: PhD in Computer Science and Cognitive Neuroscience, University of Kent, UK
- 2002 - 2003: MSc in Distributed Systems and Networks, University of Kent, UK
- 1997 - 2001: BSc in Computer Science, Beijing University of Posts and Telecommunications, China

Employment History

- 2022 - 2025: Principal Research Fellow, Department of Psychiatry, University of Cambridge
- 2013 - 2022: Senior Research Associate, Department of Psychiatry, University of Cambridge
- 2011 - 2013: Research Associate, Department of Psychology, University of Cambridge
- 2009 - 2011: Investigator Scientist, MRC Cognition and Brain Sciences Unit
- 2008 - 2009: Postdoctoral Researcher, Institute of Psychiatry, King's College London

Current Research Projects and Grants

- 2025 - 2026, Delivering Technology-Enabled Support for Dementia: A framework for timely intervention and engagement, Engineering & Physical Sciences Research Council
- 2025 - 2026, Validation of Remote Blood and Neuropsychological Assessment in Diverse Populations, NIHR HealthTech Research Centre in Brain Health
- 2025 - 2028, ANGLIA: An innovation network for total body PET research, Medical Research Council (MRC)
- 2025 - 2026, The relationship between sex hormones and brain changes in people at increased genetic risk of dementia, Accelerate-C2D3
- 2024 - 2027, BRIDGES for Dementia Network - Building Research Innovation co-Developing Greater Empowerment and Support for people living with Dementia, Engineering & Physical Sciences Research Council
- 2024 - 2027, Remote Ischaemic Conditioning for FATigue after STroke (RICFAST 2): A randomised controlled feasibility trial, Stroke Association
- 2024 - 2027, A Preliminary Research on the Application of Brain-Computer Interface Technology in Enhancing Tourism Experiences for Families with ASD Children, Hong Kong large-scale HTRC grant
- 2022 - 2027, Developing an Individualized Deep Connectome Framework for ADRD Analysis, NIH RO1 Award
- 2022 - 2027, The National Institute for Health and Care Research (NIHR) Sheffield Biomedical Research Centre
- 2021 - 2026, Efficacy and mechanism evaluation of transcutaneous vagal nerve stimulation for upper limb recovery post-stroke, NIHR Efficacy and Mechanism Evaluation Programme
- 2019 - 2027, Alzheimer's Research UK East Network Centre, Alzheimer's Research UK

Selected Publications

1. Elizabeth McKiernan, Peter Swann, Ejijah Mak, Maria Prats-Sedano, Georage, Savulich, Allison Bentley, Guy William, Li Su, John T. O'Brien (2026) Seven tesla MRI reveals amygdala and hippocampal subfield atrophy in dementia with Lewy bodies, *Alz Res Therapy* (2026). <https://doi.org/10.1186/s13195-026-02091-8>
2. Pawel J. Markiewicz, Gerard Thompson, Joanna M. Wardlaw, Catriona Wimberley, Craig Ritchie, John-Paul Taylor, David Brooks, Ross Maxwell, Michael Firbank, Nigel Hoggard, Li Su, Jim Wild, Philip Hillel, Victoria Rhodes-Bradford, Laura M. Parkes, John T. O'Brien, Stephen F. Carter, Franklin I. Aigbirhio, Tim Fryer, Paul M. Matthews, Paresh Malhotra, Gabrielle Grey, Will

- Hallett, Dilek Ocal, John C. Dickson, Enrico De Vita, David L. Thomas, Nick C. Fox, Giorgios Krokos, Jane E. Mackewn, Paul Marsden, Alexander Hammers, Karl Herholz, Frederik Barkhof, Julian C. Matthews (2026) The dementias platform UK PET/MR harmonisation and test-retest study: assessment of PET repeatability and reproducibility across the national network, *European Journal of Nuclear Medicine and Molecular Imaging*, DOI: 10.1007/s00259-02607885-4
3. Audrey Low, Georgios Ntalianis, Kamen Tsvetanov, Maria A. Prats-Sedano, Elizabeth McKiernan, Stephen F. Carter, James D. Stefaniak, Stefania Nannoni, Anna McKeever, Li Su, Maria-Eleni Dounavi, Graciela Muniz-Terrera, Katie Bridgeman, Sarah Gregory, Karen Ritchie, Brian Lawlor, Lorina Naci, Paresh Malhotra, Clare Mackay, Ivan Koychev, Craig W. Ritchie, John T. O'Brien and the PREVENT Dementia Investigators (2025) Neighborhood deprivation and midlife cognition: Evidence of a modifiable vascular pathway involving health behaviors and cerebral small vessel disease, *Alzheimer's and Dementia*, 21(11):e70756.doi:10.1002/alz.70756
 4. Weijie Huang, Haojie Chen, Zhenzhao Liu, Xinyi Dong, Guozheng Feng, Guangfang Liu, Aocai Yang, Zhanjun Zhang, Amir Shmuel, Li Su, Guolin Ma and Ni Shu (2024) Individual Variability in the Structural Connectivity Architecture of the Human Brain, *Journal of Neuroscience*, e2139232024; <https://doi.org/10.1523/JNEUROSCI.2139-23.2024>
 5. Francesca R Farina, Katie Bridgeman, et al, Li Su, Wendy Weidner, Laura Booi (2024) Next generation brain health: transforming global research and public health to promote dementia prevention and risk reduction in young adult populations, *Lancet Healthy Longevity*, 5(12)100665
 6. Samuel K Bennett, Jianmin Zeng, Maria-Eleni Dounavi, Arshad Majid, Sheharyar S Baig, Matteo De Marco, Craig Ritchie, John T O'Brien, Li Su (2024) Cerebral Perfusion Alterations in Healthy Young Adults due to Two Genetic Risk Factors of Alzheimer's Disease: APOE and MAPT, *Journal of Cerebral Blood Flow and Metabolism*. 45(6):1048-1058.doi: 10.1177/0271678X241310731
 7. Coco Newton, Marianna Pope, Catarina Rua, et al, Li Su, Dennis Chan; for the PREVENT Dementia Research Programme, (2024) Entorhinal-based path integration selectively predicts midlife risk of Alzheimer's disease, *Alzheimer's and Dementia*, 20(4):2779-2793
 8. Ludmila Kucikova, Xiong Xiong, Patricia Reinecke, Jessica Madden, Elizabeth Jackson, Oliver Tappin, Weijie Huang, Maria-Eleni Dounavi, Li Su (2024) The effects of APOEε4 allele on cerebral structure, function, and related interactions with cognition in young adults, *Ageing Research Reviews*, 101, 102510
 9. Anna McKeever, Peter Swann, Maura Malpetti, Paul C Donaghy, Alan Thomas, Elijah Mak, Stephen F Carter, Jerry Tan, Young T Hong, Tim D Fryer, Amanda Heslegrave, Henrik Zetterberg, Li Su, Leonidas Chouliaras, James B Rowe, John T O'Brien (2024) Polygenic risk discriminates Lewy body dementia from Alzheimer's disease, *Alzheimer's and Dementia*. e14381. doi: 10.1002/alz.14381
 10. Chouliaras L, Thomas AJ, Malpetti M, et al, Su L, Rowe J, O'Brien JT (2021) Differential levels of plasma biomarkers of neurodegeneration in Lewy body dementia, Alzheimer's disease, frontotemporal dementia and progressive supranuclear palsy, *Journal of Neurology, Neurosurgery, and Psychiatry*, 93(6): 651–658.
 11. Su L, Surendranathan A, et al. (2021), Relationship between tau, neuroinflammation and atrophy in Alzheimer's disease: the NIMROD study. *Information Fusion*, 67: 116-124.
 12. Elijah Mak, Maria-Eleni Dounavi, Audrey Low, et al, Li Su*, John T O'Brien* (2021) Proximity to dementia onset and multi-modal neuroimaging changes: The PREVENT-Dementia Study, *Neuroimaging*, 229:117749.
 13. Li Su, Ajenthan Surendranathan, Yujing Huang, et al, (2020), Relationship between tau, neuroinflammation and atrophy in Alzheimer's disease: the NIMROD study. *Information Fusion*, 67: 116-124.
 14. Ritchie K, Carrière I, Gregory S, Watermeyer T, Su L, Ritchie CW, O'Brien J. (2020) Trauma and depressive symptomatology in middle-aged persons at high risk of dementia: the PREVENT Dementia Study, *Journal of Neurology, Neurosurgery, and Psychiatry*, jnnp-2020-323823. doi:10.1136/jnnp-2020-323823.