Professor. Terence O'Brien
Sub Faculty of Translational Medicine and Public Health
Department of Neuroscience
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Biography

Professor Terence (Terry) O'Brien MB, BS, MD, FRACP, FRCPE, FAHMS, FAES is Chair of Medicine (Neurology) and Head of The School of Translational Medicine, Monash University, and Program Director Alfred Brain and Deputy Director of Research, Alfred Health. He is the former Van Cleef Roet Chair of Neuroscience, Monash University (2017-20) and James Stewart Chair of Medicine, The Royal Melbourne Hospital, University of Melbourne (2008-2017).
The mission of the Central Clinical that he leads is to undertake high quality, internationally significant, research, research training and teaching across a broad range of basic and clinical medical fields, and to translate these to improve treatment and outcomes of patients. The School has 16 Departments and Centres (https://www.monash.edu/medicine/ccs/centres), and is part of the Sub-Faculty of Translational Medicine and Public Health led by Foundation Dean, Professor Stephen Jane.
Prof. O'Brien has received 18 awards for his research from national and international scientific bodies, including the Ambassador for Epilepsy Award of the International League Against Epilepsy (2017), The Dreifuss-Penry Epilepsy Award of the American Academy of Neurology (2006), The Eccles Lecturer and Medallion of The Australian Neuroscience Society and The Neurosurgical Society of Australia (2011), Election as Fellow of the Australian Academy of Health and Medical Sciences (2016), The Fritz E. Dreifuss Lecture and Award of The American Epilepsy Society (2022) and The James Lance Oration and Award, the highest award of The Australian and New Zealand Association of Neurologists (2023). Prof. O'Brien has trained students and fellows from many countries of the world, including Holland, Belgium, France, United Kingdom, Brazil, Israel, India, New Zealand, Indonesia, Malaysia and China.
He has supervised to completion 58 doctoral students, 11 masters students, 70 honours/medical research students, 28 clinical epilepsy fellows and 21 post-doctoral research fellows. He is currently supervising 20 PhD students, 1 Masters Students (MPhil), 1 undergraduate/medical students, 6 clinical epilepsy fellows and 14 post-doctoral research fellows. Many of his former students/fellows have gone on to obtain independent NHMRC funding, or the equivalent, for their research, and to be significant research and/or clinical leaders in their own right.

Qualifications

1 Dec 2000 → … Doctor of Medicine, MD

1 Dec 1998 → … Bachelor of Medicine, Bachelor of Surgery, MB, BS

1 Jul 1997 → … Fellow of the Royal Australasian College of Physicans (Neurology and Clinical Pharmacology), FRACP

Employment

Professor &Dean
Sub Faculty of Translational Medicine and Public Health
MONASH UNIVERSITY
1 Aug 2026 → present

Department of Neuroscience
MONASH UNIVERSITY
1 Mar 2017 → present

President
Epilepsy Society of Australia
Glenelg, Australia
1 Nov 2018 → present

Program Director, Alfred Brain
Alfred Hospital
Melbourne, Australia
1 Jul 2018 → present

Professorial Fellow
University of Melbourne
Melbourne, Australia
1 Dec 2017 → present

Director of Neurology
Alfred Hospital
Melbourne, Australia
1 Oct 2017 → present

Research outputs

Factor analysis of multimodal MRI, biofluid, and vascular biomarkers reveals latent constructs of brain health
Rowsthorn, E., Sim, M. A., O'Brien, W. T., McDonald, S. J., Franks, K., Sinclair, B., Chong, T. T. J., Yiallourou, S., Cavuoto, M., Vivash, L., O'Brien, T. J., Shao, X., Wang, D. J. J., Law, M., Harding, I. H. & Pase, M. P., Apr 2026, In: GeroScience. 48, 2, p. 1885–1903 19 p.

Repeatable Battery for the Assessment of Neuropsychological Status: Preliminary Utility for Subacute Cognitive Monitoring after Immune Effector Cell-Associated Neurotoxicity Syndrome after Chimeric Antigen Receptor T-Cell Therapy
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Non-invasive neurostimulation for drug-resistant epilepsy: systematic review and meta-analysis of effectiveness, safety, and optimal stimulation parameters
Premaratne, S., Zoghi, M., Antonic-Baker, A., Chen, Z., Chen, L., Hamer, R., Major, B., Thomas, E. H. X., Kwan, P., O'Brien, T. J., Lundstrom, B. N. & Simpson, H. D. (Leading Author), Jan 2026, In: Journal of Neurology. 273, 1, 15 p., 7.

A Novel Vision-Based Transformer for Seizure Detection with Multi-biosignals
Wong, S., Barnett, S., Sivathamboo, S., Perucca, P., Ge, Z., Kwan, P., Kuhlmann, L. & O'Brien, T. J., 2026, *Data Science and Machine Learning : 22nd Australasian Conference, AusDM 2024 Melbourne, VIC, Australia, November 25–27, 2024 Proceedings.* Balasubramaniam, T., Liao, K., Vetrova, V., Benavides-Prado, D., Boo, Y. L. & Zhao, Y. (eds.). Singapore: Springer, p. 95-109 15 p. (Communications in Computer and Information Science; vol. 2325).

Knowledge Tree Driven Contextualized Instruction Tuning of Foundation Models for Epilepsy Drug Recommendation
Pham, D. K., Mehta, D., Jiang, Y., Thom, D., Chang, R. S. K., Nazem-Zadeh, M., Foster, E., Fazio, T., Holper, S., Verspoor, K., Liu, J., Nhu, D., Barnard, S., O'Brien, T., Chen, Z., French, J., Kwan, P. & Ge, Z., 2026, *Medical Image Computing and Computer Assisted Intervention, MICCAI 2025 - 28th International Conference, Proceedings.* Gee, J. C., Hong, J., Sudre, C. H., Golland, P., Alexander, D. C., Iglesias, J. E., Venkataraman, A. & Kim, J. H. (eds.). Cham Switzerland: Springer, p. 373-383 11 p. (Lecture Notes in Computer Science; vol. 15965).

Response to "Between pregnancies: An educational window in women with epilepsy"
Vajda, F., O'Brien, T. J., Graham, J., Hitchcock, A., Perucca, P., Lander, C., Vajda, S. & Eadie, M., 2026, (Accepted/In press) In: Epileptic Disorders. 1 p.

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Characterisation of the expression of P2X7 receptor, cancer stem cell markers and immunological mediators in human high-grade gliomas
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The relationship between patient-reported quality of life and clinician-rated outcome scores in patients with autoimmune encephalitis: a study of the Australian Autoimmune Encephalitis Consortium
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Ko, K. Y., Seery, N., Kazzi, C., Griffith, S., Wesselingh, R., Rushen, T., Tan, T. H., Melitsis, L., Meade, C., O'Shea, M. F., Forcadela, M., Duncan, A., Halliday, A., Ford, H., Butler, E. G., Van Der Walt, A., Kalincik, T., D'Souza, W., Seneviratne, U. & Buzzard, K. & 11 others, Macdonell, R., Ramanathan, S., Kulkarni, J., Reddel, S. W., Hardy, T. A., Butzkueven, H., O'Brien, T. J., Alpitsis, R., Malpas, C. B., Monif, M. & on behalf of the Australian Autoimmune Encephalitis Consortium, 15 Nov 2025, In: Journal of the Neurological Sciences. 478, 10 p., 123709.

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The Australian Traumatic Brain Injury Initiative: Systematic Review of Predictive Value of Biological Markers for People With Moderate-Severe Traumatic Brain Injury
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The Australian Traumatic Brain Injury Initiative: Single Data Dictionary to Predict Outcome for People With Moderate-Severe Traumatic Brain Injury
Fitzgerald, M., Ponsford, J. L., Hill, R., Rushworth, N., Kendall, E., Armstrong, E., Gilroy, J., Bullen, J., Keeves, J., Bagg, M. K., Hellewell, S. C., Lannin, N. A., O'Brien, T. J., Cameron, P. A., Cooper, D. J., Gabbe, B. J. & the AUS-TBI Initiative Investigators, Nov 2025, In: Journal of Neurotrauma. 42, 21-22, p. 2078-2095 18 p.

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A companion to the development of common data elements for Sudden Unexpected Death in Epilepsy (SUDEP)
Iyengar, S. S., O'Loughlin, E. K., Harte-Hargrove, L., Holmay, M., Lubbers, L. S., CURE Epilepsy SUDEP Data Standardization Project Steering Committee & CURE Epilepsy SUDEP Data Standardization Project Working Group Members, Oct 2025, In: Epilepsia Open. 10, 5, p. 1439-1449 11 p.

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CLOX and neurotox: Utility of the clock drawing task in monitoring for immune effector cell-associated neurotoxicity syndrome following chimeric antigen receptor T-cell therapy
Kazzi, C., Simpson, T., Wronski, M., Seery, N., Wesselingh, R., Tan, T. H., Ko, K. Y., Pearce, D. J., Abbott, C., Li, J., Griffith, S. P., Wong, S. M., Westworth, M., Inam, S., Tam, C. S., Fleming, S., Van Der Walt, A., O'Brien, T. J., Alpitsis, R. & Spencer, A. & 3 others, Malpas, C. B., Sanfilippo, P. & Monif, M., Oct 2025, In: British Journal of Haematology. 207, 4, p. 1495-1503 9 p.

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Cortical stimulation predicts language decline following SEEG radiofrequency thermocoagulation
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Gunasekera, L. (Leading Author), Ray, J. C., Butzkueven, H., O'Brien, T. J., Hutton, E. & Kaul, N. (Leading Author), Sept 2025, In: Brain and Behavior. 15, 9, 14 p., e70860.

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Projects

3D printer - Stratasys Objet30 Pro:
Kwan, P. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Jones, N. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Hudson, M. (Chief Investigator (CI)), Wright, D. (Chief Investigator (CI)), Alan, T. (Chief Investigator (CI)), French, C. (Chief Investigator (CI)), Chan, J. (Chief Investigator (CI)) & Jayawardena, A. (Chief Investigator (CI))
1/10/21 → 31/12/22

A 2-year prospective study to evaluate the onset of action of Mavenclad in subjects with highly active relapsing multiple sclerosis.
Skibina, O. (Primary Chief Investigator (PCI)) & O'Brien, T. (Chief Investigator (CI))
5/12/18 → 5/12/23

A 57-Week, Multicenter, Active-treatment, Open-label Extension Trial of CVL-865 as Adjunctive Therapy in Adults with Drug-Resistant Focal Onset Seizures.
O'Brien, T. (Primary Chief Investigator (PCI)), Nicolo, J.-P. (Chief Investigator (CI)), Nikpour, A. (Chief Investigator (CI)), Wijayath, M. (Chief Investigator (CI)), D'Souza, W. J. (Chief Investigator (CI)), Reutens, D. C. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Somerville, E. R. (Chief Investigator (CI)), Mullen, S. A. (Chief Investigator (CI)) & Frasca, J. (Chief Investigator (CI))
18/12/20 → 31/12/24

A Double-Blind, Placebo-Controlled, Inpatient, Dose-Ranging Efficacy Study of Staccato Alprazolam (STAP-001) in Subjects with Epilepsy with a Predictable Seizure Pattern. ENGAGE study.
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)) & Mullen, S. A. (Chief Investigator (CI))
20/02/19 → 31/12/19

A Double-blind, Placebo-controlled Study Investigating the Safety, Tolerability, Efficacy and Pharmacokinetics of EP1, an Enriched Cannabidiol Oil, in Children and Adolescents with Medication Resistant, Refractory Epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI))
10/01/19 → 31/12/19

A double-blind, randomized, placebo-controlled, multicenter, outpatient, parallel-group study to assess the efficacy and safety of staccato alprazolam in study participants 12 years of age and older with epilepsy with stereotypical prolonged seizures
O'Brien, T. (Primary Chief Investigator (PCI))
7/03/23 → 7/03/25

A Double-Blind, Randomized, Placebo-Controlled, Safety and Efficacy Study of ANAVEX2-73 in patients with Rett Syndrome.
O'Brien, T. (Primary Chief Investigator (PCI))
5/04/19 → 31/12/22

ADVANCE: Addressing Dementia Via Agitation-Centered Evaluation
Gleason, A. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Woodward, M. C. (Chief Investigator (CI)) & Clarnette, R. (Chief Investigator (CI))
10/01/19 → 15/09/19

A Multicenter, Double-blind, Randomized, Placebo-Controlled Trial with an Open-Label Extension Phase of Perampanel as Adjunctive Treatment in Subjects at Least 2 years of Age with Inadequate Controlled Seizures Associated with Lennox-Gastaut Syndrome.
O'Brien, T. (Primary Chief Investigator (PCI))
28/11/18 → 28/11/20

A Multicenter, Long-Term Extension study to evaluate the safety, tolerability, and efficacy of AL002 in participants with Alzheimer's Disease
O'Brien, T. (Primary Chief Investigator (PCI)) & Stewart, N. (Project Manager)
2/05/23 → 2/05/25

A Multicenter, Open-label Extension Study to Evaluate the Safety, Pharmacodynamics, and Clinical Effects of WVE-120101 in Patients with Huntington's Disease.
O'Brien, T. (Primary Chief Investigator (PCI)) & Burn, K. (Project Manager)
1/09/20 → 30/04/23

A Multicenter, Open-label Extension Study to Evaluate the Safety, Pharmacodynamics, and Clinical Effects of WVE-120102 in Patients with Huntington's Disease.
O'Brien, T. (Primary Chief Investigator (PCI)) & Burn, K. (Project Manager)
1/09/20 → 30/04/23

A Multicenter, Open-label, Long-term, Safety, Tolerability, and Efficacy Study of CB03-154 in Subjects Diagnosed with Epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
6/01/26 → 5/01/28

A Multicenter, Open-label, Single-arm Study to Evaluate Long-term Safety, Tolerability, and Efficacy of Brivaracetam in Study Participants 2 to 26 Years of Age with Childhood Absence Epilepsy or Juvenile Absence Epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI))
22/04/22 → 31/12/27

A multicenter, randomized, double-blind, placebo-controlled, parallel-group study to evaluate the efficacy and safety of padsevonil as adjunctive treatment of focal-onset seizures in adult subjects with drug-resistant epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), D'Souza, W. J. (Chief Investigator (CI)), Berkovic, S. F. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Nikpour, A. (Chief Investigator (CI)), Reutens,

D. C. (Chief Investigator (CI)) & Frasca, J. (Chief Investigator (CI))
10/10/19 → 31/12/21

A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel group study to Evaluate the Efficacy, Safety, and Tolerability of Soticlestat as Adjunctive Therapy in Pediatric and Adult Subjects with Lennox-Gastaut Syndrome (LGS).
O'Brien, T. (Primary Chief Investigator (PCI))
16/03/22 → 31/12/24

A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel group study to Evaluate the Efficacy, Safety, and Tolerability of Soticlestat as Adjunctive Therapy in Pediatric and Young Adult Subjects with Dravet Syndrome (DS).
O'Brien, T. (Primary Chief Investigator (PCI))
16/03/22 → 31/12/24

A Multicenter, Randomized, Double-blind, Placebo-controlled, Phase 1b/2a Study of WVE-120101 Administered Intrathecally in Patients with Huntington's Disease.
O'Brien, T. (Primary Chief Investigator (PCI)), Bertram, K. (Chief Investigator (CI)) & Burn, K. (Project Manager)
18/09/19 → 31/10/21

A Multicenter, Randomized, Double-blind, Placebo-controlled, Phase 1b/2a Study of WVE-120102 Administered Intrathecally in Patients with Huntington's Disease.
O'Brien, T. (Primary Chief Investigator (PCI)), Bertram, K. (Chief Investigator (CI)) & Burn, K. (Project Manager)
18/09/19 → 31/10/21

A national Magnetic Particle Imaging Facility
Egan, G. (Primary Chief Investigator (PCI)), Davis, T. (Chief Investigator (CI)), Hagemeyer, C. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Martino, M. (Chief Investigator (CI)), Bansal, V. (Chief Investigator (CI)) & Crosbie, J. C. (Chief Investigator (CI))
7/02/19 → 31/12/19

An Extension Study of ANAVEX2-73 in Patients with Mild to Moderate Alzheimer's Disease.
Darby, D. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)) & Burn, K. (Project Manager)
16/03/20 → 31/12/21

An informatics approach to predict outcomes and monitor intervention efficacy following moderate to severe traumatic brain injury
Fitzgerald, M. (Primary Chief Investigator (PCI)), Gabbe, B. (Chief Investigator (CI)), Lannin, N. (Chief Investigator (CI)), Vallmuur, K. (Chief Investigator (CI)), Curtis, K. A. (Chief Investigator (CI)), Harrison, J. E. (Chief Investigator (CI)), Young, J. T. (Chief Investigator (CI)), Menon, D. K. (Chief Investigator (CI)), Cullen, J. C. (Chief Investigator (CI)), Armstrong, E. (Chief Investigator (CI)), Eades, S. (Chief Investigator (CI)), Cameron, P. (Chief Investigator (CI)), Cooper, J. (Chief Investigator (CI)), Fitzgerald, M. (Chief Investigator (CI)), Balogh, Z. (Chief Investigator (CI)), Fatovich, D. (Chief Investigator (CI)), Honeybul, S. (Chief Investigator (CI)), Jeffree, R. L. (Chief Investigator (CI)), McNamara, R. (Chief Investigator (CI)), Mitchell, G. J. (Chief Investigator (CI)), Delaney, A. (Chief Investigator (CI)), Reade, M. (Chief Investigator (CI)), Wells, A. (Chief Investigator (CI)), Williams, J. K. (Chief Investigator (CI)), Ponsford, J. (Chief Investigator (CI)), McDonald, S. (Chief Investigator (CI)), Kendall, E. (Chief Investigator (CI)), Ownsworth , T. (Chief Investigator (CI)), Simpson, G. (Chief Investigator (CI)), Togher, L. (Chief Investigator (CI)), Hassett, L. (Chief Investigator (CI)), Fleming, J. (Chief Investigator (CI)), Williams, G. (Chief Investigator (CI)), Collins-Praino, L. (Chief Investigator (CI)), Reeder, S. (Chief Investigator (CI)), Mobbs, R. (Chief Investigator (CI)), Vickers, J. C. (Chief Investigator (CI)), Anderson, V. A. (Chief Investigator (CI)), Barlow, K. (Chief Investigator (CI)), Holland, A. J. A. (Chief Investigator (CI)), Scheinberg, A. (Chief Investigator (CI)), Semple, B. (Chief Investigator (CI)), Parizel, P. M. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Law, M. (Chief Investigator (CI)), Rose, S. (Chief Investigator (CI)), Varma, D. (Chief Investigator (CI)), Nasrallah, F. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Hellewell, S. C. (Chief Investigator (CI)), Bosio, E. (Associate Investigator (AI)), King, K. (Associate Investigator (AI)), Parr, M. (Associate Investigator (AI)), Udy, A. (Associate Investigator (AI)), Hill, A. F. (Associate Investigator (AI)), Olver, J. (Associate Investigator (AI)), Teague, W. (Associate Investigator (AI)), Egan, G. (Associate Investigator (AI)), Fisher, M. (Associate Investigator (AI)), York, L. (Associate Investigator (AI)), Bynevelt, M. (Associate Investigator (AI)), Maas, A. I. R. (Chief Investigator (CI)), O'Reilly, G. (Associate Investigator (AI)), McDonald, S. (Associate Investigator (AI)), Capell, J. (Associate Investigator (AI)), Gilroy, J. (Associate Investigator (AI)), Walsham, J. (Associate Investigator (AI)), Newcombe, V. (Associate Investigator (AI)), Geraghty, T. J. (Associate Investigator (AI)), Joyce, C. J. (Associate Investigator (AI)), Rosenfeld, J. (Associate Investigator (AI)), Elcock, M. (Associate Investigator (AI)), Ross, J. (Associate Investigator (AI)), Bragge, P. (Associate Investigator (AI)), Meka, S. (Associate Investigator (AI)), Chai, K. (Associate Investigator (AI)), Cowen, G. (Associate Investigator (AI)), Hasseler, L. (Associate Investigator (AI)), Ercole, A. (Associate Investigator (AI)), Wagland , J.

(Associate Investigator (AI)), Alexander, T. (Associate Investigator (AI)), Babl, F. (Associate Investigator (AI)), Bidargaddi, N. (Associate Investigator (AI)), Mahoney, A. J. (Associate Investigator (AI)), Wright, D. (Associate Investigator (AI)), Crowe, L. M. (Associate Investigator (AI)), Robinson, S. M. (Associate Investigator (AI)), Rushworth, N. (Associate Investigator (AI)), Hansen, M. (Associate Investigator (AI)), Ellis, D. (Associate Investigator (AI)), Zeeman, H. (Associate Investigator (AI)), Francis, R. J. (Associate Investigator (AI)), Whiley, L. (Associate Investigator (AI)) & Reid, C. (Associate Investigator (AI))
1/07/21 → 30/06/23

An Open-Label Ascending Single-Dose, and Randomized, Double-blind, Placebo-controlled, Ascending Multiple-Dose Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of CST-2032 in Healthy Volunteers and Subjects with Mild Cognitive Impairment or Parkinson's Disease
O'Brien, T. (Primary Chief Investigator (PCI)) & Kerris, J. (Project Manager)
29/07/21 → 31/12/24

An Open Label Clinical Trial to Evaluate the Efficacy and Safety of PRAX-628 in Adult Patients with Focal Onset or Primary Generalized Tonic-Clonic Seizures
O'Brien, T. (Primary Chief Investigator (PCI))
18/12/24 → 17/12/26

An Open-Label Extension, One-Year, Safety, and Efficacy Study of SPN-817 in Adults With Focal Onset Seizures
O'Brien, T. (Primary Chief Investigator (PCI))
23/03/26 → 22/03/28

An Open Label Extension on the Examination of the Combination of Dronabinol and Acetazolamide for Treatment of Obstructive Sleep Apnoea (OSA)
O'Brien, T. (Primary Chief Investigator (PCI))
22/06/21 → 31/12/24

An Open-Label Extension Study to Investigate the Long-Term Safety, and Tolerability of Intracerebroventricular (ICV) Delivery of Valproate in Subjects with Focal Seizures, with Temporal Lobe Onset with or without Secondary Generalization
O'Brien, T. (Primary Chief Investigator (PCI))
3/09/21 → 31/12/24

An open-label, multicenter, extension study to evaluate the safety and efficacy of Padsevonil as adjunctive treatment of focal-onset seizures in adult subjects with drug-resistant epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI)), Perucca, P. (Chief Investigator (CI)), D'Souza, W. J. (Chief Investigator (CI)), Berkovic, S. F. (Chief Investigator (CI)), Wijayath, M. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Seneviratne, U. (Chief Investigator (CI)), Reutens, D. C. (Chief Investigator (CI)), Zentner, C. (Chief Investigator (CI)), Frasca, J. (Chief Investigator (CI)) & Nikpour, A. (Chief Investigator (CI))
4/06/19 → 31/12/21

An open-label, multicenter, outpatient extension study to evaluate the safety and tolerability of staccato alprazolam in study participants 12 years of age and older with stereotypical prolonged seizures
O'Brien, T. (Primary Chief Investigator (PCI))
10/03/23 → 10/03/25

An open-label, non-randomized, single-arm pilot study to evaluate the safety and efficacy of blood-brain barrier transient opening using NaviFUS System in patients with mild Alzheimer's Disease.
O'Brien, T. (Primary Chief Investigator (PCI)) & Burn, K. (Project Manager)
13/08/20 → 31/12/23

An open-label, non-randomized, single-arm pilot study to evaluate the safety and efficacy of multiple pulsed focused ultrasound treatment in patients with drug resistant temporal lobe epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
29/03/23 → 28/03/25

An Open-Label, Phase 1b/2a Study to Evaluate the Safety and Tolerability of Oral SVG103 (paxalisib) in Adults with Focal Cortical Dysplasia Type II (FCD-II), Tuberous Sclerosis Complex (TSC) or Hemimegalencephaly (HME), Followed by Long-Term Treatment
O'Brien, T. (Primary Chief Investigator (PCI))
19/03/26 → 18/03/28

An Open Label Phase 2b Study to Evaluate the Efficacy and Safety of Ascending Doses of BMB-101 to a Maximum Tolerated Dose for the Treatment of Absence Seizures
O'Brien, T. (Primary Chief Investigator (PCI))
7/10/26 → 6/10/28

An Open-Label Phase 2 Study to Evaluate the Efficacy, Safety and Tolerability of BMB-101 in Adults with either classic Absence Epilepsy (with or without Eyelid Myoclonia (EEM; Jeavons syndrome), OR Developmental Epileptic Encephalopathy (DEE)
O'Brien, T. (Primary Chief Investigator (PCI)), Zentner, C. (Chief Investigator (CI)), Reutens, D. C. (Chief Investigator (CI)) & Scheffer, I. E. (Chief Investigator (CI))
5/12/24 → 5/12/26

A Phase 1b/2a randomized, double-blind, placebo-controlled, parallel-group, dose-escalation study to investigate the safety, tolerability, pharmacokinetics, pharmacodynamics, and exploratory efficacy of LP352 in subjects with developmental and epileptic encephalopathies
O'Brien, T. (Primary Chief Investigator (PCI)) & Smith, R. (Project Manager)
11/05/23 → 11/05/25

A Phase 1 Study Evaluating the Safety, Tolerability, Pharmacokinetics, Pharmacodynamics, and Immunogenicity of Single and Multiple Doses of AL003 in Healthy Participants and in Participants with Mild to Moderate Alzheimer's Disease
O'Brien, T. (Primary Chief Investigator (PCI)) & Burn, K. (Project Manager)
7/05/20 → 31/12/20

A Phase 2/3 Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy, Safety, and Tolerability of BHV-7000 as Adjunctive Therapy in Subjects with Idiopathic Generalized Epilepsy with Generalized Tonic-clonic Seizures, with Open-label Extension
O'Brien, T. (Primary Chief Investigator (PCI))
3/04/25 → 2/04/27

A Phase 2/3 Multicenter, Randomized, Double-Blind, Placebo-Controlled, Study to Evaluate the Efficacy, Safety and Tolerability of BHV 7000 in Subjects with Refractory Focal Onset Epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
10/12/24 → 10/12/26

A Phase 2A, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Safety and Pharmacokinetics of ES-481 in Adult Patients with Drug Resistant Epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI)), Mullen, S. A. (Chief Investigator (CI)), Nicolo, J.-P. (Chief Investigator (CI)) & Reutens, D. C. (Chief Investigator (CI))
18/01/21 → 18/07/21

A Phase 2b/3, Double-Blind, Randomized, Placebo-Controlled 48-week Safety and Efficacy trial of ANAVEX2-73 for the Treatment of Early Alzheimer's Disease (AD).
O'Brien, T. (Primary Chief Investigator (PCI))
8/01/19 → 31/12/20

A Phase 2, double-blind, placebo-controlled trial of sodium selenate as a disease modifying treatment for chronic drug resistant temporal lobe epilepsy (SELECT Trial)
O'Brien, T. (Primary Chief Investigator (PCI)), Vivash, L. (Chief Investigator (CI)), Churilov, L. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Perucca, P. (Chief Investigator (CI)), Nicolo, J.-P. (Chief Investigator (CI)), Cook, M. J. (Chief Investigator (CI)), Gillinder, L. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Hovens, C. (Chief Investigator (CI)), Malpas, C. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Velakoulis, D. (Chief Investigator (CI)), Lawn, N. D. (Chief Investigator (CI)), Johns, H. (Associate Investigator (AI)), Wijayath, M. (Associate Investigator (AI)), Burford, J. (Associate Investigator (AI)), Wait, L. (Associate

Investigator (AI)), D'Souza, W. J. (Associate Investigator (AI)) & Reutens, D. C. (Associate Investigator (AI))
1/02/23 → 31/01/28

A Phase 2, Double-Blind, Randomized, Placebo-Controlled Study to Assess Intracerebroventricular (ICV) Delivery of CT-010 via an Implantable Pump and a Cranial Port and Double Lumen Catheter (ICVRX) in Subjects with Focal Seizures, with Temporal Lobe Onset with or without Secondary Generalization
O'Brien, T. (Primary Chief Investigator (PCI)) & Germaine, J. (Project Manager)
17/06/20 → 31/12/24

A Phase 2, Global, Multicentre, Long-term Safety Study Designed to Assess the Safety and Tolerability of BHV-7000 in Subjects with Refractory Focal Onset Epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
12/03/25 → 11/03/27

A Phase 2, multicenter, open-label, long-term safety study of LP352 in subjects with developmental and epileptic encephalopathy who completed Study LP352-201 and are candidates for continuous treatment for up to 52 weeks
O'Brien, T. (Primary Chief Investigator (PCI))
19/10/23 → 20/10/25

A Phase 2, Open-label Study of PRAX-944 to Assess the Safety, Tolerability, Pharmacokinetics, and Efficacy of Escalating Multiple Oral Doses in Adults with Generalized Epileptic Syndromes with Absence Seizures.
O'Brien, T. (Primary Chief Investigator (PCI)) & Germaine, J. (Project Manager)
9/10/18 → 20/07/19

A Phase 2 Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of AL002 in Participants with Early Alzheimer's Disease
O'Brien, T. (Primary Chief Investigator (PCI))
7/09/21 → 31/12/24

A Phase 3, Double-blind, Randomized, Placebo-controlled Trial of Adjunctive Ganaxolone (GNX) Treatment in Children and Adults with Tuberous Sclerosis Complex (TSC)-related Epilepsy (Trust TSC)
O'Brien, T. (Primary Chief Investigator (PCI)) & Germaine, J. (Project Manager)
5/10/23 → 4/10/25

A Phase 3, Open-label Study of Adjunctive Ganaxolone (GNX) Treatment in Children and Adults with Tuberous Sclerosis Complex (TSC)-related Epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
19/04/24 → 19/04/26

A Phase 3, Prospective, Open-Label, Multisite, Extension of Phase 3 Studies To Assess the Long-Term Safety and Tolerability of Soticlestat as Adjunctive Therapy in Subjects With Dravet Syndrome or Lennox-Gastaut Syndrome (ENDYMION 2)
O'Brien, T. (Primary Chief Investigator (PCI))
14/09/22 → 1/06/24

A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Investigate the Efficacy, Safety, and Tolerability of LP352 in the Treatment of Seizures in Children and Adults with Developmental and Epileptic Encephalopathies
O'Brien, T. (Primary Chief Investigator (PCI))
22/12/25 → 21/12/27

A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Investigate the Efficacy, Safety, and Tolerability of LP352 in the Treatment of Seizures in Children and Adults with Dravet Syndrome
O'Brien, T. (Primary Chief Investigator (PCI))
21/11/25 → 20/11/27

A Phase IIa, Randomized, Double Blind, Placebo Controlled, Single Ascending Dose, Safety and Pharmacokinetic / Pharmacodynamic Study of INP103 (POD L-dopa) Administered in the Presence of Benserazide to L-dopa Responsive Parkinson's Disease Patients.
O'Brien, T. (Primary Chief Investigator (PCI)) & Bertram, K. (Chief Investigator (CI))
15/03/18 → 15/03/20

A Phase I Study Evaluating the Safety, Tolerability, Pharmacokinetics, Pharmacodynamics, and Immunogenicity of Single and Multiple Doses of AL002 in Healthy Participants and in Participants with Mild to Moderate Alzheimer's Disease.
O'Brien, T. (Primary Chief Investigator (PCI)) & Brodtmann, A. (Chief Investigator (CI))
30/05/19 → 31/12/19

A randomized, dose-finding and confirmatory, double-blind, placebo-controlled, parallel-group multicenter study with a 2-stage adaptive design and randomized withdrawal to evaluate the efficacy, safety, and tolerability of brivaracetam as monotherapy in patients 2 to 25 years of age with childhood absence epilepsy or juvenile absence epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI))

A randomized, double-blind, placebo-controlled feasibility study evaluating the treatment of mild traumatic brain injury with ONP- 002
O'Brien, T. (Primary Chief Investigator (PCI))
31/03/26 → 30/03/28

A Randomized, Double-blind, Placebo-Controlled, Multicenter Study to Evaluate the Safety, Tolerability, and Efficacy of CB03-154 as Adjunctive Therapy in Focal Epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
15/01/25 → 14/01/27

A randomized, double-blind, placebo-controlled, parallel group, multicenter trial of CVL-865 as adjunctive therapy in adults with drug-resistant focal onset seizures (REALIZE TRIAL)
O'Brien, T. (Primary Chief Investigator (PCI)), Nicolo, J.-P. (Chief Investigator (CI)), Nikpour, A. (Chief Investigator (CI)), Wijayath, M. (Chief Investigator (CI)), D'Souza, W. J. (Chief Investigator (CI)), Reutens, D. C. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Somerville, E. R. (Chief Investigator (CI)), Mullen, S. A. (Chief Investigator (CI)) & Frasca, J. (Chief Investigator (CI))
5/06/20 → 31/12/23

A Randomized, Double-blind, Placebo-controlled, Parallel-group, Phase 2 Study to Evaluate the Safety and Efficacy of CT1812 in Subjects with Mild to Moderate Alzheimer's Disease.
O'Brien, T. (Primary Chief Investigator (PCI))
10/01/19 → 31/12/20

A Randomized, Double-Blind, Placebo-Controlled Study to Assess the Safety and Tolerability of GRF6021 Infusions in Subjects with Parkinson's Disease and Cognitive Impairment.
Bertram, K. (Primary Chief Investigator (PCI)) & O'Brien, T. (Chief Investigator (CI))
8/04/19 → 30/04/20

ARISE: pAdsevonil in drug-ResIStant Epilepsy. A randomized, double-blind, placebo-controlled, dose finding study to evaluate the efficacy and safety of Padsevonil as adjunctive treatment of focal-onset seizures in adult subjects with drug resistant epilepsy.
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), D'Souza, W. J. (Chief Investigator (CI)), Berkovic, S. F. (Chief Investigator (CI)), Wijayath, M. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Lawn, N. D. (Chief Investigator (CI)), Seneviratne, U. (Chief Investigator (CI)), Reutens, D. C. (Chief Investigator (CI)), Zentner, C. (Chief Investigator (CI)) & Frasca, J. (Chief Investigator (CI))
11/12/18 → 11/12/19

A Therapeutic Intervention, Open Label Study to Compare the Efficacy and Safety of Graded Exercise Compared to Passive Stretching in Subjects Who Have Sustained a Mild Traumatic Brain Injury
O'Brien, T. (Primary Chief Investigator (PCI)), Barlow, K. (Chief Investigator (CI)), Levi, C. R. (Chief Investigator (CI)) & Jankelowitz, S. (Chief Investigator (CI))
5/05/20 → 31/12/23

Australian Autoimmune Encephalitis Consortium Study - improving diagnosis, outcomes, and quality of care for patients with this devastating neurological illness.
Monif, M. (Primary Chief Investigator (PCI)), Wesselingh, R. (Chief Investigator (CI)), Butzkueven, H. (Chief Investigator (CI)), Reddel, S. W. (Chief Investigator (CI)), Malpas, C. (Chief Investigator (CI)), Haartsen, J. (Chief Investigator (CI)), Hardy, T. (Chief Investigator (CI)), Gillis, D. (Chief Investigator (CI)), Seneviratne, U. (Chief Investigator (CI)), Blum, S. (Chief Investigator (CI)), Nesbitt, C. S. (Chief Investigator (CI)), Heiss, L. (Chief Investigator (CI)), MacDonell, R. (Chief Investigator (CI)), Mykytowycz, M. (Chief Investigator (CI)), Sanfilippo, P. (Chief Investigator (CI)), D'Souza, W. J. (Associate Investigator (AI)), Kulkarni, J. (Associate Investigator (AI)), Buzzard, K. (Associate Investigator (AI)), O'Brien, T. (Associate Investigator (AI)), Broadley, S. (Associate Investigator (AI)), Taylor, B. V. (Associate Investigator (AI)), MacIntyre, J. (Associate Investigator (AI)), Barton, J. (Associate Investigator (AI)), Swayne, A. (Associate Investigator (AI)), Alpitsis, R. (Associate Investigator (AI)), Harding, I. (Associate Investigator (AI)), Butler, E. (Associate Investigator (AI)), Ramanathan, S. (Associate Investigator (AI)), Giles, A. (Associate Investigator (AI)) & Gadi, M. (Associate Investigator (AI))
1/03/24 → 28/02/29

AEP: Australian Epilepsy Project
Kwan, P. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Ademi Delaney, Z. (Chief Investigator (CI)) & Piccenna, L. (Project Manager)
Florey Institute of Neuroscience and Mental Health (FINMH)
3/06/21 → 30/06/26

Biomarker signatures of post-traumatic epileptogenesis (PTEgenesis) and its Treatments
Galanopoulou, A. (Primary Chief Investigator (PCI)) & O'Brien, T. (Partner Investigator (PI))
1/05/25 → 30/04/27

Biomarkers of Brain Concussion
Shultz, S. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Kosofsky, B. (Associate Investigator (AI)), Germaine, J. (Project Manager), Smith, R. (Project Manager), Fielding, J. (Associate Investigator (AI)), Clough, M. (Associate Investigator (AI)) & Wright, D. (Associate Investigator (AI))
14/11/18 → 30/06/22

BrainAssure: A low-cost Electrochemical sensor based point-of-care platform for monitoring brain health
Milner, F. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), Hossain, M. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)) & Walsh, R. (Partner Investigator (PI))
4/08/25 → 3/08/26

Brain glutamate imaging by ultra-high-field MRI for prediction of post-stroke epilepsy
Kwan, P. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Cloud, G. (Chief Investigator (CI)), Hand, P. (Chief Investigator (CI)), Yan, B. (Chief Investigator (CI)), Nicolo, J.-P. (Chief Investigator (CI)) & Wright, D. (Chief Investigator (CI))
11/03/19 → 8/03/21

Brain injury in intimate partner violence: Insight into a silent pandemic
Shultz, S. (Primary Chief Investigator (PCI)), O'Sullivan, M. J. (Chief Investigator (CI)), Fitz-Gibbon, K. (Chief Investigator (CI)), Meyer, S. (Chief Investigator (CI)), van Donkelaar, P. (Chief Investigator (CI)), Christie, B. (Chief Investigator (CI)), Mychasiuk, R. (Associate Investigator (AI)), McDonald, S. (Associate Investigator (AI)), Law, M. (Associate Investigator (AI)), Vivash, L. (Associate Investigator (AI)), O'Brien, T. (Associate Investigator (AI)), Ponsford, J. (Associate Investigator (AI)), Jupp, B. (Associate Investigator (AI)), Chen, Z. (Associate Investigator (AI)), Mitra, B. (Associate Investigator (AI)) & Marks, J. (Associate Investigator (AI))
NHMRC - National Health and Medical Research Council (Australia)
1/01/22 → 31/12/24

Calcium channel modulation to prevent post-traumatic epilepsy
O'Brien, T. (Primary Chief Investigator (PCI)), Galanopoulou, A. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Jones, N. (Chief Investigator (CI)) & Moshe, S. (Chief Investigator (CI))
1/05/23 → 30/04/27

Cardiorespiratory function as a non-invasive biomarker for detecting seizures with artificial intelligence: Utilising data from long-term patient recordings from an epilepsy monitoring unit
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), Sivathamboo, S. (Chief Investigator (CI)), Perucca, P. (Chief Investigator (CI)), Ge, Z. (Chief Investigator (CI)), Le, T. (Chief Investigator (CI)), Phung, D. (Chief Investigator (CI)), Bonnington, P. (Chief Investigator (CI)) & Piccenna, L. (Project Manager)
8/04/19 → 8/04/20

Central Clinical School (CCS) Research Support
O'Brien, T. (Primary Chief Investigator (PCI))
14/06/22 → 14/06/23

Changzhou Trendi Medical Technology Co Ltd - Equipment Research Agreement
O'Brien, T. (Primary Chief Investigator (PCI))
Changzhou Trendi Medical Technology Co Ltd
1/03/21 → 29/02/24

CLADIN sub study. Effect of CLADribine on Innate Immune Response (CLADIN). MS Immunity Project.
Monif, M. (Primary Chief Investigator (PCI)), Butzkueven, H. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
27/06/19 → 9/09/22

Combining biomechanics and biomarkers to establish brain injury thresholds
McDonald, S. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), O'Brien, W. (Chief Investigator (CI)) & Ghajari, M. (Partner Investigator (PI))
ARC - Australian Research Council
3/02/26 → 2/02/29

Connect-TBI: Connect-TBI: A National Informatics and Data-Driven Approach to Improve Care for Moderate to Severe TBI
Gabbe, B. (Primary Chief Investigator (PCI)), Udy, A. (Chief Investigator (CI)), Hellewell, S. C. (Chief Investigator (CI)), Powell, D. (Chief Investigator (CI)), Vallmuur, K. (Chief Investigator (CI)), Fitzgerald, M. (Chief Investigator (CI)), Lannin, N. (Chief Investigator (CI)), Ryder, C. (Chief Investigator (CI)), Cameron, P. (Chief Investigator (CI)), Holland, A. J. A. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), Ponsford, J. (Chief Investigator (CI)), Kilkenny, M. (Chief Investigator (CI)), Law, M. (Chief Investigator (CI)), Jeffree, R. L. (Chief Investigator (CI)), Balogh, Z. J. (Chief Investigator (CI)), Caeyenberghs, K. (Chief Investigator (CI)), Ge, Z. (Chief Investigator (CI)), Cooper, J. (Chief Investigator (CI)), Barlow, K. M. (Chief Investigator (CI)), Nasrallah, F. (Chief Investigator (CI)), McNamara, R. (Chief Investigator (CI)), Plummer, M. P. (Chief Investigator (CI)), Bellomo, R. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Curtis, K. A. (Chief Investigator (CI)), Reade, M. (Chief Investigator (CI)), Dipnall, J. (Chief Investigator (CI)), Parizel, P. M. (Chief Investigator (CI)), Teague, W. (Chief Investigator (CI)), Jeffcote, T. (Chief Investigator (CI)), Newcombe, V. (Chief Investigator (CI)), O'Reilly, G. (Chief Investigator (CI)), Scheinberg, A. (Chief Investigator (CI)), Battistuzzo, C. (Chief Investigator (CI)), Honeybul, S. (Chief Investigator (CI)), Keeves, J. (Chief Investigator (CI)), Young, J. T. (Chief Investigator (CI)), Secombe, P. (Chief Investigator (CI)), Litton, E. (Chief Investigator (CI)), Williams, G. (Chief Investigator (CI)), Hassett, L. (Chief Investigator (CI)), Reeder, S. (Chief Investigator (CI)), Singh, P. (Chief Investigator (CI)), Alexander, T. (Chief Investigator (CI)), Powell, B. (Chief Investigator (CI)), Burns, B. J. (Chief Investigator (CI)), Farquharson, S. (Associate Investigator (AI)), Campbell, L. (Associate Investigator (AI)), Hansen, M. (Associate Investigator (AI)), Delaney, A. (Associate Investigator (AI)), Read, D. J. (Associate Investigator (AI)), Parr, M. (Associate Investigator (AI)), Ellis, D. Y. (Associate Investigator (AI)), Moore, J. W. (Associate Investigator (AI)), Ownsworth, T. (Associate Investigator (AI)), King, K. (Associate Investigator (AI)), Higgins, L. (Associate Investigator (AI)), Nehme, Z. (Associate Investigator (AI)), Anstey, J. R. (Associate Investigator (AI)), Weeden, M. (Associate Investigator (AI)), Wake, E. (Associate Investigator (AI)), Noonan, M. (Associate Investigator (AI)), To, M.-S. (Associate Investigator (AI)), Taylor, J. (Associate Investigator (AI)), Wagland , J. (Associate Investigator (AI)) & Clavisi, O. (Project Manager)
Australian National Imaging Facility (NIF), Connectivity Traumatic Brain Injury Australia Limited, Transport Accident Commission (TAC), Australia and New Zealand Intensive Care Society (ANZICS)
1/07/25 → 30/06/30

CORE-VNS:Comprehensive Outcomes Registry in Subjects with Epilepsy Treated with Vagus Nerve Stimulation Therapy.
O'Brien, T. (Primary Chief Investigator (PCI))
24/09/18 → 31/12/23

Developing new treatments and identifying biomarkers to enable transformational, precision medicine based care for patients with drug resistant epilepsy
O'Brien, T. (Primary Chief Investigator (PCI))
NHMRC - National Health and Medical Research Council (Australia)
1/01/20 → 31/12/24

Development and validation of a salivary ketone point-of-care test
Kwan, P. (Primary Chief Investigator (PCI)), Kaul, N. (Chief Investigator (CI)), Chan, J. (Associate Investigator (AI)), O'Brien, T. (Associate Investigator (AI)), Chen, Z. (Associate Investigator (AI)) & Nation, J. (Associate Investigator (AI))
Shenzhen Children's Hospital, Mx3 Diagnostics Pty Ltd
27/08/19 → 31/08/23

Development of PET tracers to track MS disease activity and progression
Haskali, M. (Primary Chief Investigator (PCI)), Monif, M. (Chief Investigator (CI)), Vivash, L. (Chief Investigator (CI)), Jupp, B. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
1/08/23 → 31/07/24

Dose finding crossover trial investigating the effect of dronabinol combined with acetazolamide on Apnoea Hypopnea Index (AHI) in adults with obstructive sleep apnoea (OSA).
O'Brien, T. (Primary Chief Investigator (PCI))
24/09/20 → 31/12/24

Drug resistant epilepsy – assessing proteomic biomarkers of disease in the cerebrospinal fluid.
Tan, T. (Primary Chief Investigator (PCI)), Monif, M. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
2/02/26 → 31/12/26

Drug screening using Homer1 patient's iPSCs-derived neurons for clinical trials of precision medicine
Javaid, S. (Primary Chief Investigator (PCI)), Rollo, B. (Associate Investigator (AI)), Antonic-Baker, A. (Associate Investigator (AI)), Kwan, P. (Associate Investigator (AI)) & O'Brien, T. (Associate Investigator (AI))
Homer Hack Ltd
17/04/23 → 30/09/24

Educational Grant - Monash Alfred 2021 Movement Disorders Fellowship
O'Brien, T. (Primary Chief Investigator (PCI)) & Bertram, K. (Chief Investigator (CI))
Ipsen (Australia)
1/02/21 → 31/01/22

Electroencephalogram (EEG) in autoimmune encephalitis diagnosis and prognosis.
Tan, T. (Primary Chief Investigator (PCI)), Monif, M. (Associate Investigator (AI)), Wesselingh, R. (Associate Investigator (AI)), Seery, N. (Associate Investigator (AI)), Kwan, P. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
1/01/25 → 1/01/26

Elizabeth Anne Meakin - Donation
O'Brien, T. (Chief Investigator (CI))

Evaluating Huperzine as an anti-seizure agent in the GAERS model of GGE with absence seizures.
Casillas-Espinosa, P. (Primary Chief Investigator (PCI)) & O'Brien, T. (Chief Investigator (CI))
25/08/20 → 24/11/20

Evaluating the effectiveness and safety of sodium selenate as a disease modifying treatment for patients with behavioural variant Frontotemporal Dementia (bvFTD)
O'Brien, T. (Primary Chief Investigator (PCI)), Malpas, C. (Chief Investigator (CI)), Velakoulis, D. (Chief Investigator (CI)), Piguet, O. (Chief Investigator (CI)), Kalincik, T. (Chief Investigator (CI)), Walterfang, M. A. (Chief Investigator (CI)), Ahmed, R. (Chief Investigator (CI)), Bush, A. I. (Chief Investigator (CI)), Darby, D. (Chief Investigator (CI)) & Brodtmann, A. (Chief Investigator (CI))
Department of Health, Disability and Ageing (Australia)

1/04/19 → 31/03/27

Exercise therapy for mild traumatic brain injury (mTBI) and persistent post-concussion symptoms (PPCS) across the lifespan

O'Brien, T. (Primary Chief Investigator (PCI)), Leddy, J. (Chief Investigator (CI)), Willmott, C. (Chief Investigator (CI)), Mitra, B. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Chen, Z. (Chief Investigator (CI)), McDonald, S. (Chief Investigator (CI)), Morokoff, A. (Chief Investigator (CI)), Caeyenberghs, K. (Chief Investigator (CI)), Ponsford, J. (Associate Investigator (AI)), Rushworth, N. (Associate Investigator (AI)), Akhlaghi, H. (Associate Investigator (AI)), Davies, K. (Associate Investigator (AI)) & Olver, J. (Associate Investigator (AI))
Department of Health, Disability and Ageing (Australia)
1/06/21 → 31/05/24

First Seizure Assessment and Management.

Foster, E. (Primary Chief Investigator (PCI)) & O'Brien, T. (Supervisor)
5/02/18 → 4/02/19

First Seizure Management in Australia

Foster, E. (Primary Chief Investigator (PCI)) & O'Brien, T. (Supervisor)
5/02/18 → 4/02/21

First Seizures: Patient Reported Outcome Measures

Ademi Delaney, Z. (Chief Investigator (CI)), Foster, E. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), Chen, Z. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Liew, D. (Chief Investigator (CI)) & Zomer, E. (Chief Investigator (CI))
30/04/20 → 30/03/24

Glioblastoma - inhibition of P2X7R as a potential therapeutic target for treatment of this aggressive cancer.

Monif, M. (Primary Chief Investigator (PCI)), Hunn, M. (Chief Investigator (CI)), Drummond, K. J. (Associate Investigator (AI)), McLean, C. (Associate Investigator (AI)), Jones, N. (Associate Investigator (AI)), Sanfilippo, P. (Associate Investigator (AI)) & O'Brien, T. (Associate Investigator (AI))
1/01/22 → 31/12/25

HIT-IQ kinematics and observation of head impacts in Australian football

Mitra, B. (Primary Chief Investigator (PCI)), McDonald, S. (Chief Investigator (CI)), Willmott, C. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Makdissi, M. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
1/01/22 → 31/12/23

How does chronic epilepsy result in cardiac electrophysiological dysfunction?

O'Brien, T. (Primary Chief Investigator (PCI)), Powell, K. (Chief Investigator (CI)), Delbridge, L. M. D. (Chief Investigator (CI)), Pilowsky, P. M. (Chief Investigator (CI)) & Royse, C. F. (Chief Investigator (CI))
NHMRC - National Health and Medical Research Council (Australia)
1/01/18 → 31/12/19

Human Epilepsy: Understanding biology to improve outcomes

Berkovic, S. F. (Primary Chief Investigator (PCI)), Jackson, G. (Chief Investigator (CI)), Gécz, J. (Chief Investigator (CI)), Connelly, A. (Chief Investigator (CI)), Scheffer, I. E. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Calamante, F. (Chief Investigator (CI)), Petrou, S. (Chief Investigator (CI)) & Reid, C. A. (Chief Investigator (CI))
NHMRC - National Health and Medical Research Council (Australia)
23/04/18 → 31/12/20

Human high-throughput in-vitro phenotypic screening for new epilepsy drugs

Rollo, B. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Langmead, C. (Chief Investigator (CI)), Baell, J. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), May, L. (Chief Investigator (CI)), Ayers, K. L. (Chief Investigator (CI)) & Sumer, H. (Chief Investigator (CI))
1/06/22 → 1/01/23

Identification and Forecasting of Seizure from EEG data recorded from rodents in Laboratory settings using QA/QC and Machine Learning Algorithms
Casillas-Espinosa, P. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)) & Knight, K. (Project Manager)
1/12/18 → 30/11/20

Identification and Forecasting of Seizure from EEG data recorded from rodents in Laboratory settings using QA/QC and Machine Learning Algorithms Stage 2
O'Brien, T. (Primary Chief Investigator (PCI)), Casillas-Espinosa, P. (Chief Investigator (CI)) & Knight, K. (Project Manager)
Monash University – Internal Faculty Contribution
1/06/19 → 30/05/21

Identifying Clinical Biomarkers and Developing Multimodal Risk Prediction Tools for SUDEP Prevention
Sivathamboo, S. (Primary Chief Investigator (PCI)), Devinsky, O. (Chief Investigator (CI)), Laze, J. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Kuhlmann, L. (Chief Investigator (CI)), Chen, Z. (Chief Investigator (CI)), Nhu, D. (Chief Investigator (CI)), Liu, J. (Chief Investigator (CI)), Harikar, M. (Chief Investigator (CI)), Bateman, L. (Associate Investigator (AI)), Nashef, L. (Associate Investigator (AI)) & Stavropoulos, L. (Associate Investigator (AI))
19/05/26 → 18/05/28

Improvement First Seizure Assessment and Management
O'Brien, T. (Primary Chief Investigator (PCI)), Perucca, P. (Chief Investigator (CI)), Liew, D. (Chief Investigator (CI)), Ademi Delaney, Z. (Chief Investigator (CI)) & Carney, P. (Chief Investigator (CI))
Monash University – Internal University Contribution, Epilepsy Foundation
1/12/20 → 31/12/22

Infections promote post-traumatic epilepsy and poor outcomes after traumatic brain injury
Semple, B. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)) & Li, J. (Chief Investigator (CI))
United States Department of Defense (DOD)
4/01/21 → 29/09/24

INFORMED: INtegrative approaches For Optimizing Recognition, Management and EDucation of concussion at the community sports level
Mitra, B. (Chief Investigator (CI)), McDonald, S. (Chief Investigator (CI)), Ponsford, J. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Fitzgerald, M. (Chief Investigator (CI)), Willmott, C. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Law, M. (Chief Investigator (CI)), McKay, A. (Chief Investigator (CI)), O'Sullivan, M. J. (Chief Investigator (CI)), Hellewell, S. C. (Chief Investigator (CI)), Natoli, R. (Chief Investigator (CI)), Caeyensberghs, K. (Chief Investigator (CI)), Makdissi, M. (Chief Investigator (CI)), Chen, Z. (Chief Investigator (CI)) & Whiley, L. (Associate Investigator (AI))

INFORMED: INtegrative approaches For Optimizing Recognition, Management and EDucation of concussion at the community sports level
Mitra, B. (Primary Chief Investigator (PCI)), McDonald, S. (Chief Investigator (CI)), Ponsford, J. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Fitzgerald, M. (Chief Investigator (CI)), Willmott, C. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Law, M. (Chief Investigator (CI)), McKay, A. (Chief Investigator (CI)), O'Sullivan, M. J. (Chief Investigator (CI)), Hellewell, S. C. (Chief Investigator (CI)), Natoli, R. (Chief Investigator (CI)), Caeyensberghs, K. (Chief Investigator (CI)), Makdissi, M. (Chief Investigator (CI)), Chen, Z. (Chief Investigator (CI)) & Whiley, L. (Associate Investigator (AI))
1/07/22 → 31/05/26

"Integrative-omics" for precision medicine in the epilepsies
Scheffer, I. E. (Primary Chief Investigator (PCI)), Gécz, J. (Chief Investigator (CI)), Halgamuge, S. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Petrou, S. (Chief Investigator (CI)), Berkovic, S. F. (Chief Investigator (CI)), Perucca, P. (Associate Investigator (AI)), Howell, K. B. (Associate Investigator (AI)), Hildebrand, M. S. (Associate Investigator (AI)), Palmer, E. E. (Associate Investigator (AI)) & Sadikovic, B. (Associate Investigator (AI))
1/01/22 → 31/12/26

Intracerebral delivery of Neuropeptide Y through human-induced pluripotent stem cell-derived progenitors (NPY-hiPSC-NPs) as a disease-modifying approach treatment for drug-resistant epilepsy

Antonic-Baker, A. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Jones, N. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)) & Javaid, S. (Chief Investigator (CI))

MAGPIX
Monif, M. (Primary Chief Investigator (PCI)), Hibbs, M. (Chief Investigator (CI)), Tarlinton, D. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
1/01/21 → 31/12/21

Manufacturing and commercialization of [18F]-PET radiotracers
Stupple, P. (Primary Chief Investigator (PCI)), Baell, J. (Primary Chief Investigator (PCI)), Hawkey, L. (Project Manager), Mudududdla, R. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Vivash, L. (Chief Investigator (CI)), Jupp, B. (Chief Investigator (CI)), Santamaria, G. (Partner Investigator (PI)), Ware, R. E. (Partner Investigator (PI)), Stephens, A. W. (Partner Investigator (PI)) & Mueller, A. (Partner Investigator (PI))
10/04/21 → 30/04/25

MCIS: Characterising Mild Cognitive Impairment using multimodal biomarkers.
O'Brien, T. (Primary Chief Investigator (PCI)) & Vivash, L. (Chief Investigator (CI))
17/08/20 → 31/12/21

Measuring inflammation in brain and blood for predicting risk of post-traumatic epilepsy
Ali, I. (Primary Chief Investigator (PCI)), Jones, N. (Supervisor), O'Brien, T. (Supervisor), Dedeurwaerdere, S. (Chief Investigator (CI)), Wright, D. (Chief Investigator (CI)) & Vivash, L. (Chief Investigator (CI))
United States Department of Defense (DOD)
30/09/21 → 29/06/24

Movement DIsorders 2022 Fellowship
O'Brien, T. (Primary Chief Investigator (PCI)) & Bertram, K. (Chief Investigator (CI))
1/01/22 → 31/12/22

NHMRC Equipment Grant - Lateral Fluid Percussion Injury (LFPI) Device
Vivash, L. (Primary Chief Investigator (PCI)), Leung, J. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Ali, I. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)) & Jones, N. (Chief Investigator (CI))
1/11/23 → 31/12/24

NHMRC Equipment Grant - Quanterix SIMOA HD-1 Analyser
Shultz, S. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), Medcalf, R. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Mitra, B. (Chief Investigator (CI)), Coughlan, M. (Chief Investigator (CI)), Jones, N. (Chief Investigator (CI)), Van Der Walt, A. (Chief Investigator (CI)), Butzkueven, H. (Chief Investigator (CI)), Semple, B. (Chief Investigator (CI)) & Hutton, E. (Chief Investigator (CI))
Monash University – Internal Faculty Contribution, Monash University – Internal Department Contribution
1/01/19 → 31/12/19

NSV Early Career Fellowship Hugh Simpson
Simpson, H. (Primary Chief Investigator (PCI)) & O'Brien, T. (Chief Investigator (CI))

Open Label Extension Study for Patients with Early Alzheimer's Disease (AD) Enrolled in Study ANAVEX2-73-AD-004.
O'Brien, T. (Primary Chief Investigator (PCI)) & Burn, K. (Project Manager)
7/02/20 → 31/12/25

Optimisation of first seizure management: a retrospective data linkage analysis
Foster, E. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), Liew, D. (Chief Investigator (CI)), Ademi Delaney, Z. (Chief Investigator (CI)) & Chen, Z. (Chief Investigator (CI))
Brain Foundation
1/01/20 → 31/12/20

Perampanel in glioma associated seizures - efficacy and safety: a pilot phase II randomsied controlled trial.(PEGASUS)
O'Brien, T. (Primary Chief Investigator (PCI)), Neal, A. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), Drummond, K. J. (Associate Investigator (AI)), Morokoff, A. (Associate Investigator (AI)), Desmond, P. M. (Associate Investigator (AI)), Moffat, B. A. (Associate Investigator (AI)), Perucca, P. (Associate Investigator (AI)), Gonen, O. (Associate Investigator (AI)), Yuen, T. I. (Associate Investigator (AI)), Murphy, M. A. (Associate Investigator (AI)), Bulluss, K. J. (Associate Investigator (AI)) & Cher, L. M. (Associate Investigator (AI))
1/09/18 → 1/09/20

PERSONAL: Personalised Selection of Medication for Newly Diagnosed Adult Epilepsy – the PERSONAL Trial
Kwan, P. (Primary Chief Investigator (PCI)), Chen, Z. (Chief Investigator (CI)), Lannin, N. (Chief Investigator (CI)), Ademi Delaney, Z. (Chief Investigator (CI)), Ge, Z. (Chief Investigator (CI)), Reutens, D. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), D'Souza, W. J. (Chief Investigator (CI)), Perucca, P. (Chief Investigator (CI)), Reeder, S. (Chief Investigator (CI)), Nikpour, A. (Associate Investigator (AI)), Wong, C. (Associate Investigator (AI)), Kiley, M. (Associate Investigator (AI)), Saw, J.-L. (Associate Investigator (AI)), Nicolo, J.-P. (Associate Investigator (AI)), Seneviratne, U. (Associate Investigator (AI)), Carney, P. (Associate Investigator (AI)), Jones, D. (Associate Investigator (AI)), Somerville, E. R. (Associate Investigator (AI)) & Stapleton, C. (Associate Investigator (AI))
1/02/23 → 31/01/27

Phase 1b Open-label, Dose-Identification Study of XPro1595 in Patients with Mild to Moderate Alzheimer's Disease with Elevated high sensitivity C-reactive protein in Blood.
O'Brien, T. (Primary Chief Investigator (PCI)), Burn, K. (Project Manager), Woodward, M. C. (Chief Investigator (CI)), Lai, R. (Chief Investigator (CI)), Clarnette, R. (Chief Investigator (CI)), Brodtmann, A. (Chief Investigator (CI)) & Nestor, P. J. (Chief Investigator (CI))
25/09/19 → 31/08/22

Phase 2, Open-label Study of PRAX-944 to Assess the Safety, and Efficacy of Escalating Multiple Doses in Adults with Refractory Absence Seizures
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), Germaine, J. (Associate Investigator (AI)), Smith, R. (Associate Investigator (AI)), Casillas-Espinosa, P. (Associate Investigator (AI)), Reddy, K. (Partner Investigator (PI)) & Piccenna, L. (Project Manager)
18/02/19 → 18/02/20

Positive allosteric modulation of anti-convulsant G protein-coupled receptor signalling to treat drug-resistant epilepsy
May, L. (Primary Chief Investigator (PCI)), Webb, G. (Chief Investigator (CI)), Carlsson, J. (Chief Investigator (CI)), Baltos, J.-A. (Chief Investigator (CI)), TN Nguyen, A. (Chief Investigator (CI)), Christopoulos, A. (Associate Investigator (AI)), Miao, Y. (Associate Investigator (AI)), O'Brien, T. (Associate Investigator (AI)), Rollo, B. (Associate Investigator (AI)), Casillas-Espinosa, P. (Associate Investigator (AI)), Gregory, K. (Associate Investigator (AI)), Scammells, P. (Associate Investigator (AI)) & Nguyen, T. (Associate Investigator (AI))
1/01/22 → 31/12/26

PRECISION-TBI: PRECISION-TBI – Promoting evidence-based, data driven care for critically ill moderate-to-severe TBI patients
Udy, A. (Primary Chief Investigator (PCI)), Cooper, J. (Chief Investigator (CI)), Jeffree, L. (Chief Investigator (CI)), Jeffcote, T. (Chief Investigator (CI)), Nichol, A. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Bellapart, J. (Chief Investigator (CI)), Menon, D. K. (Chief Investigator (CI)), McNamara, R. (Chief Investigator (CI)), Fitzgerald, M. (Chief Investigator (CI)), Togher, L. (Associate Investigator (AI)), Delaney, A. (Associate Investigator (AI)), Anstey, J. R. (Associate Investigator (AI)), Honeybul, S. (Associate Investigator (AI)), Hunn, M. (Associate Investigator (AI)), Reddi, B. (Associate Investigator (AI)), Adamides, A. A. (Associate Investigator (AI)), Wells, A. (Associate Investigator (AI)) & Lewis, P. (Associate Investigator (AI))
1/06/21 → 30/05/26

Pre-clinical evaluation of selective adenosine A1 receptor positive allosteric modulators for the treatment of drug-resistant epilepsy
Kwan, P. (Primary Chief Investigator (PCI)), May, L. (Chief Investigator (CI)), Rollo, B. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Howden, S. (Chief Investigator (CI)), Christopoulos, A. (Chief Investigator (CI)), Gregory, K. (Chief Investigator (CI)), Scammells, P. (Chief Investigator (CI)), Baltos, J.-A. (Chief Investigator (CI)), Elliott, D. (Chief Investigator (CI)), TN Nguyen, A. (Chief Investigator (CI)), Langmead, C. (Chief Investigator (CI)), Antonic-Baker, A. (Chief Investigator (CI)), Sumer, H. (Chief Investigator (CI)), Javaid, S. (Associate Investigator (AI)) & Gu, J. (Chief Investigator (CI))
1/06/22 → 31/05/27

Prevention of post-stroke epilepsy in patients with acute ischaemic stroke at high risk of developing seizures.
Kwan, P. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Yan, B. (Chief Investigator (CI)), Nicolo, J.-P. (Chief Investigator (CI)), Cloud, G. (Associate Investigator (AI)), Moffat, B. A. (Associate Investigator (AI)), Wright, D. (Associate Investigator (AI)) & Neal, A. (Associate Investigator (AI))
25/01/19 → 31/12/22

Probable Progressive Supranuclear Palsy research
O'Brien, T. (Primary Chief Investigator (PCI))
30/09/21 → 30/09/25

Psilocybin-ASsisted Therapy for Persisting Post-Concussion Symptoms (PAST-PPCS)
O'Brien, T. (Primary Chief Investigator (PCI)), Sundram, S. (Chief Investigator (CI)), Caeyenberghs, K. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Liknaitzky, P. (Chief Investigator (CI)), Makovec Knight, J. (Chief Investigator (CI)), Fuller Symons, G. (Chief Investigator (CI)), Chen, Z. (Chief Investigator (CI)), Byrnes, J. (Chief Investigator (CI)), Barlow, K. (Associate Investigator (AI)), Fuller, N. (Associate Investigator (AI)) & Gibbons, A. (Associate Investigator (AI))
1/06/25 → 31/05/30

RENAISSANCE 2: A Double-Blind, Randomized, Placebo-Controlled, Multicenter, Parallel-Group Study to Evaluate the Efficacy, Safety, and Tolerability of SPN-817 in Adults with Focal Onset Seizures
O'Brien, T. (Primary Chief Investigator (PCI)), Nicolo, J.-P. (Partner Investigator (PI)), Reutens, D. C. (Partner Investigator (PI)), Seneviratne, U. (Partner Investigator (PI)), D'Souza, W. J. (Partner Investigator (PI)) & Cheong, E. (Partner Investigator (PI))
25/09/25 → 24/09/27

RENAISSANCE Study: A Phase 2, Multicenter, Open Label Safety and Tolerability Study of SPN-817 in Adult Patients with Treatment Resistant Epilepsy
O'Brien, T. (Primary Chief Investigator (PCI)), Nicolo, J.-P. (Chief Investigator (CI)), Perucca, P. (Chief Investigator (CI)), Reutens, D. C. (Chief Investigator (CI)), Carney, P. (Chief Investigator (CI)), Zentner, C. (Chief Investigator (CI)), Wijayath, M. (Chief Investigator (CI)) & Wong, T. (Chief Investigator (CI))
19/12/22 → 18/12/24

REVEAL – Research Evaluating Vagal Excitation and Anatomical Linkages
Osborn, J. (Primary Chief Investigator (PCI)), Eberly, L. (Chief Investigator (CI)), Ikramuddin, S. (Chief Investigator (CI)), Lim, H. H. (Chief Investigator (CI)), Macefield, V. (Chief Investigator (CI)), Nahas, Z. H. (Chief Investigator (CI)), Aaronson, S. T. (Chief Investigator (CI)), Baker, S. E. (Chief Investigator (CI)), Camilleri, M. (Chief Investigator (CI)), Conway, C. (Chief Investigator (CI)), Crawford, P. (Chief Investigator (CI)), Darrow, D. P. (Chief Investigator (CI)), Drawz, P. E. (Chief Investigator (CI)), Dudley, S. C. (Chief Investigator (CI)), Fonkoue, I. T. (Chief Investigator (CI)), George, M. S. (Chief Investigator (CI)), Henry, T. R. (Chief Investigator (CI)), Hering, B. J. (Chief Investigator (CI)), Ingram, M. (Chief Investigator (CI)), Johnson, M. D. (Chief Investigator (CI)), Keller-Ross, M. L. (Chief Investigator (CI)), Lim, K. O. (Chief Investigator (CI)), Loavenbruck, A. (Chief Investigator (CI)), McCarty, C. A. (Chief Investigator (CI)), Meyer, M. (Chief Investigator (CI)), Micera, S. (Chief Investigator (CI)), Mueller, B. (Chief Investigator (CI)), Murray, T. (Chief Investigator (CI)), Netoff, T. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Panoskaltsis-Mortari, A. (Chief Investigator (CI)), Park, M. C. (Chief Investigator (CI)), Puchalska, P. (Chief Investigator (CI)), Ramachandran, S. (Chief Investigator (CI)), Singh, A. (Chief Investigator (CI)), Talkachova, A. (Chief Investigator (CI)), Tignanelli, C. (Chief Investigator (CI)), Walczak, T. (Chief Investigator (CI)), Williams, N. (Chief Investigator (CI)), Willie, J. T. (Chief Investigator (CI)) & Worrell, G. (Chief Investigator (CI))
NIH - National Institutes of Health (United States of America)
1/09/23 → 31/08/25

REVEAL – Research Evaluating Vagal Excitation and Anatomical Linkages (Clinical Core)
Osborn, J. W. (Primary Chief Investigator (PCI)), Macefield, V. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
1/09/23 → 31/08/25

Reversing post-traumatic epilepsy
Casillas-Espinosa, P. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Shah, A. (Associate Investigator (AI)), Anderson, A. (Associate Investigator (AI)), Huang, E. (Associate Investigator (AI)), Shultz, S. (Associate Investigator (AI)), Jones, N. (Associate Investigator (AI)) & Schittenhelm, R. (Associate Investigator (AI))

30/09/21 → 29/12/25

Seizure Detection and Classification Using Eyelid Movements: A Video-EEG Monitoring Study (OPTALERT-0-001).
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)) & Thomas, J. (Project Manager)
18/09/19 → 31/12/23

Seizure Detection Using Electrocardiogram Recordings and Kaoskey TRIO Software Study (KAOSKEY-K-001).
O'Brien, T. (Primary Chief Investigator (PCI)) & Thomas, J. (Project Manager)
1/05/20 → 31/12/21

Sodium Selenate as a Disease Modifying Treatment for Progressive Supranuclear Palsy (Sodium Selenate for PSP)
O'Brien, T. (Primary Chief Investigator (PCI)), Bertram, K. (Chief Investigator (CI)), Vivash, L. (Chief Investigator (CI)), Evans, A. H. (Chief Investigator (CI)), Kimber, T. E. (Chief Investigator (CI)), O'Sullivan, J. D. (Chief Investigator (CI)), Malpas, C. (Chief Investigator (CI)), Fielding, J. (Chief Investigator (CI)), Velakoulis, D. (Chief Investigator (CI)) & Law, M. (Chief Investigator (CI))
1/06/20 → 31/05/27

Spinal Cord Research
Davies, S. (Primary Chief Investigator (PCI)), Davies, J. (Primary Chief Investigator (PCI)) & O'Brien, T. (Chief Investigator (CI))
StepAhead Australia Ltd
13/07/19 → 30/06/22

Supporting Australian Brain Cancer Research with an integrated network of platforms
Jeffree, R. L. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Leonard, R. (Chief Investigator (CI)), Day, B. W. (Chief Investigator (CI)), Gedye, C. (Chief Investigator (CI)), Koh, E.-S. (Chief Investigator (CI)), Vajdic, C. (Chief Investigator (CI)), Gan, H. K. (Chief Investigator (CI)), Scott, A. M. (Chief Investigator (CI)), Zalcberg, J. (Chief Investigator (CI)), Drummond, K. J. (Chief Investigator (CI)), Ormsby, R. J. (Chief Investigator (CI)), Kichenadasse, G. (Chief Investigator (CI)), Gomez, G. A. (Chief Investigator (CI)), Pitson, S. (Chief Investigator (CI)), Whittle, J. R. (Chief Investigator (CI)), Gately, L. (Chief Investigator (CI)), Lipworth, W. (Chief Investigator (CI)), Dickinson, J. L. (Chief Investigator (CI)), Harrup, R. (Chief Investigator (CI)), Quinn, L. (Chief Investigator (CI)), Dobbie, M. S. (Chief Investigator (CI)), Lwin, Z. (Chief Investigator (CI)), Hansford, J. R. (Chief Investigator (CI)), Yuile, A. (Chief Investigator (CI)), Agar, M. R. (Chief Investigator (CI)), Zanco, M. (Chief Investigator (CI)), Chin, W. L. (Chief Investigator (CI)), Jamie, G. A. (Chief Investigator (CI)), Smith, M. (Chief Investigator (CI)), Flak, S. (Chief Investigator (CI)), Ware, N. (Chief Investigator (CI)), Besser, M. (Chief Investigator (CI)), Gilbert, A. (Chief Investigator (CI)), Herkes, R. (Chief Investigator (CI)), Harden, H. (Chief Investigator (CI)), Burton, A. (Chief Investigator (CI)) & Bharathy, G. (Chief Investigator (CI))
1/07/23 → 30/06/28

Testing novel anti-epileptic compounds in human in vitro seizure model.
Rollo, B. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)) & Kwan, P. (Chief Investigator (CI))
Epidarex Exeed Limited
11/01/21 → 10/04/21

Testing of Epidarex Exeed compounds for anti-epileptiform activity in a human neural in vitro assay
Rollo, B. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)) & Javaid, S. (Chief Investigator (CI))
1/09/21 → 1/03/22

Testing of the effect of E2730 treatment on multimodality in-vivo biomarkers of GABAergic function in healthy rats and preclinical chronic epilepsy models
O'Brien, T. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), Ali, I. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Jones, N. (Chief Investigator (CI)), Jupp, B. (Chief Investigator (CI)), Vivash, L. (Chief Investigator (CI)), Wright, D. (Chief Investigator (CI)), Mychasiuk, R. (Chief Investigator (CI)) & Major, B. (Chief Investigator (CI))
Eisai Inc (United States of America)
22/10/20 → 21/10/21

REVIVER: The Assessment of a Novel Form of Exercise on Parkinsonism
Sinclair, B. (Primary Chief Investigator (PCI)), O'Brien, T. (Supervisor), Bertram, K. (Associate Investigator (AI)), Fielding, J. (Associate Investigator (AI)), Clough, M. (Associate Investigator (AI)) & White, O. (Associate Investigator (AI))
Redmond Company Pty Ltd
15/12/18 → 29/07/21

The contribution of monocytes and P2X7 Receptor in Multiple Sclerosis relapse.
Monif, M. (Primary Chief Investigator (PCI)), Butzkueven, H. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)) & Stankovich, J. (Chief Investigator (CI))
2/03/21 → 31/12/21

The contribution of monocytes and P2X7 Receptor in Multiple Sclerosis relapse.
Monif, M. (Primary Chief Investigator (PCI)), Butzkueven, H. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)) & Stankovich, J. (Chief Investigator (CI))
2/02/22 → 31/12/23

The development and management of post traumatic epilepsy
Laing, J. (Primary Chief Investigator (PCI)) & O'Brien, T. (Supervisor)
1/01/19 → 31/01/21

The Development and Management of Post-Traumatic Epilepsy.
Laing, J. (Primary Chief Investigator (PCI)), O'Brien, T. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)) & Perucca, P. (Chief Investigator (CI))
Brain Foundation
2/12/18 → 31/12/19

The role of microglia and P2X7 Receptor in human gliomas – a translational study
Monif, M. (Primary Chief Investigator (PCI)), Drummond, K. J. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Williams, D. A. (Chief Investigator (CI)) & Kan, K. (Chief Investigator (CI))
Brain Foundation
1/01/19 → 31/12/19

Transforming CAR-T Service Delivery: Integrated Biomarker and Clinical Tools for Prediction and Management of Neurotoxicity
Monif, M. (Primary Chief Investigator (PCI)), Spencer, A. (Chief Investigator (CI)), Ho, P. J. (Chief Investigator (CI)), Turtle, C. (Chief Investigator (CI)), Malpas, C. (Chief Investigator (CI)), Darby, D. (Chief Investigator (CI)), Wright, D. (Chief Investigator (CI)), Kerridge, I. H. (Chief Investigator (CI)), Fiorenza, S. (Chief Investigator (CI)), Westworth, M. (Chief Investigator (CI)), Kazzi, C. (Associate Investigator (AI)), Simpson, T. (Associate Investigator (AI)), Sanfilippo, P. (Associate Investigator (AI)), Cherk, M. (Associate Investigator (AI)), Henderson, M. (Associate Investigator (AI)), O'Brien, T. (Associate Investigator (AI)), Morison, J. (Associate Investigator (AI)), Schoenwaelder, M. (Associate Investigator (AI)), Winton, S. (Associate Investigator (AI)) & Blum, S. (Associate Investigator (AI))
1/10/26 → 30/09/30

Transforming the paradigm of epilepsy care with precision medicine
Wolvetang, E. J. (Primary Chief Investigator (PCI)), Kwan, P. (Chief Investigator (CI)), Vadlamudi, L. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Ge, Z. (Chief Investigator (CI)), Anderson, A. (Chief Investigator (CI)), Shaker, M. (Chief Investigator (CI)), Antonic-Baker, A. (Chief Investigator (CI)), Leeson, H. (Chief Investigator (CI)), Rollo, B. (Associate Investigator (AI)) & Javaid, S. (Chief Investigator (CI))
Department of Health, Disability and Ageing (Australia)
1/06/21 → 31/05/24

Translational Drug Screening using SYNGAP-1 Patients' iPSCs-derived Neuronal Disease Model for Clinical Trials of Precision Medicine
Javaid, S. (Primary Chief Investigator (PCI)), Antonic-Baker, A. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)) & O'Brien, T. (Chief Investigator (CI))
1/10/25 → 1/10/26

Translational platform for epilepsy therapy and biomarker discovery
Galanopoulou, A. (Primary Chief Investigator (PCI)), Moshe, S. (Chief Investigator (CI)), Mowrey, W. B. (Chief Investigator (CI)), Branch, C. (Chief Investigator (CI)), Fleysher, R. (Chief Investigator (CI)), Cui , M.-H. (Chief Investigator (CI)), Staba, R. (Chief Investigator (CI)), Mazarati, A. (Chief Investigator (CI)), Sankar, R. (Chief Investigator (CI)), Agoston, D. (Chief Investigator (CI)), Duncan, D. (Chief Investigator (CI)), Cabeen, R. (Chief Investigator (CI)), Coles, L. D. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Toga, A. (Chief Investigator (CI)), Bragin, A. (Chief Investigator (CI)), Engel, J. (Chief Investigator (CI)), Vespa, P. (Chief Investigator (CI)), Harris, N. (Chief Investigator (CI)), Wright, D. (Chief Investigator (CI)), Jones, N. (Chief Investigator (CI)), Shultz, S. (Chief Investigator (CI)), Casillas-Espinosa, P. (Chief Investigator (CI)), Hudson, M. (Chief Investigator (CI)), Ali, I. (Chief Investigator (CI)) & Braine, E. (Associate Investigator (AI))
NIH - National Institutes of Health (United States of America)
15/04/22 → 31/03/26

UNCOVERING THE HIDDEN GENETICS OF NON-LESIONAL FOCAL EPILEPSY
Perucca, P. (Primary Chief Investigator (PCI)), Berkovic, S. F. (Chief Investigator (CI)), O'Brien, T. (Chief Investigator (CI)), Kwan, P. (Chief Investigator (CI)), Hildebrand, M. S. (Chief Investigator (CI)), Scheffer, I. E. (Associate Investigator (AI)) & McIntosh, A. (Associate Investigator (AI))
20/02/20 → 28/02/23

Use of software for the analysis and study of neurological and psychiatric conditions in the pre-clinical setting
O'Brien, T. (Primary Chief Investigator (PCI)) & Casillas-Espinosa, P. (Chief Investigator (CI))
15/01/18 → 15/01/19