

Research Expertise

Current research is focussed on the application of the electroretinogram (ERG) in neurodevelopmental disorders such as ASD. We are currently studying the ERG in children with a language delay and investigating if the ERG signal can be a useful clinical biomarker for the early detection of a difference in neurodevelopment. This work is in collaboration with Dorothy Thompson - UCL Great Ormond Street Hospital, and the Childhood Assessment Team at Flinders Medical center. Other reserach interests are the clinical application of the electro-oculogram and retinal pigment epithelium physiology.

PhD

Postgraduate Certificate, Australian College of Optometry
Award Date: 17 Jun 2020

PhD, City University
Award Date: 28 Feb 2007

Bachelor of Science, University of Melbourne
Award Date: 31 Mar 1991

Research outputs

Cone dystrophy, childhood vision impairment and education: are clinical measures of visual function adequate to support a child through education?

Loh, L., Gatsios, A., Prem Senthil, M. & Constable, P. A., 19 Sep 2021, (E-pub ahead of print) In: Clinical and Experimental Optometry. 4 p.

The photopic negative response in autism spectrum disorder

Constable, P., Lee, I., Marmolejo-Ramos, F., Skuse, D. & Thompson, D., 7 Apr 2021, In: Clinical and Experimental Optometry. 7 p.

A snapshot of optometry teaching in Australia and New Zealand in response to COVID-19

Schmid, K., Backhouse, S., Cochrane, A., Collins, A., Constable, P., Jalbert, I. & Sabeti, F., 2021, In: Clinical and Experimental Optometry. 104, 6, p. 723-727 5 p.

Light-adapted electroretinogram differences in Autism Spectrum Disorder

Constable, P., Ritvo, E., Ritvo, A., Lee, I., McNair, M., Stahl, D., Sowden, J., Quinn, S., Skuse, D., Thompson, D. & McPartland, J., 7 Feb 2020, In: Journal of Autism and Developmental Disorders. 50, 8, p. 2874-2885 12 p.

The slow light and dark oscillation of the clinical electro-oculogram

Constable, P. A. & Ngo, D., Nov 2018, In: Clinical and Experimental Optometry. 101, 6, p. 786-792 7 p.

Problem-solving styles in autism spectrum disorder and the development of higher cognitive functions

Constable, P. A., Ring, M., Gaigg, S. B. & Bowler, D. M., 1 Jul 2018, In: Autism. 22, 5, p. 597-608 12 p.

Systematic review and meta-analysis of the association of Autism Spectrum Disorder in visually or hearing impaired children

Dodd, B., Lynch, P., Macris, E-M., Smyth, B., Stavrinakis, S., Quinn, S. & Constable, P., 1 Mar 2017, In: Ophthalmic and Physiological Optics. 37, 2, p. 212-224 13 p.

ISCEV Standard for clinical electro-oculography (2017 update)

International Society for Clinical Electrophysiology of Vision, 1 Feb 2017, In: Documenta Ophthalmologica. 134, 1, p. 1-9 9 p.

How blood barrier stands up to drug treatments

Mahmood, M. & Constable, P., 17 Jun 2016, In: Optician. p. 24-29 5 p.

Full-field electroretinogram in autism spectrum disorder

Constable, P., Gaigg, S., Bowler, D., Jagle, H. & Thompson, D., 1 Apr 2016, In: Documenta Ophthalmologica. 132, 2, p. 83-99 17 p.

The Physiology of the retinal pigment epithelium in Danon disease

Thompson, D., Constable, P., Liasis, A., Walters, B. & Esteban, M., 2016, In: Retina-The Journal of Retinal and Vitreous Diseases. 36, 3, p. 629-638 10 p.

A perspective on the mechanism of the light-rise of the electrooculogram.

Constable, P., 21 Apr 2014, In: Investigative Ophthalmology and Visual Science. 55, 4, p. 2669-2673 5 p.

Motion and pattern cortical potentials in adults with high-functioning autism spectrum disorder

Constable, P., Gaigg, S., Bowler, D. & Thompson, D., Dec 2012, In: Documenta Ophthalmologica. 125, 3, p. 219-227 9 p.

Autism Part 1: Background to Aetiology and Diagnosis

Constable, P., 2011, In: Optician. 241, 6295, p. 25-28 4 p.

Autism Part 2: Early Signs and Managing an Individual with ASD

Constable, P., 2011, In: Optician. 241, 6300, p. 12-16 5 p.

Basics of Clinical Electrophysiology

Constable, P., 2011, In: Optician. 242, 6320, p. 34-41 8 p.

Fundamentals of genetic screening for eye disease

Constable, P., 2011, In: Optician. 242, 6326, p. 20-22 3 p.

Nifedipine alters the light-rise of the electro-oculogram in man

Constable, P., 2011, In: Graefe's Archive For Clinical and Experimental Ophthalmology. 249, 5, p. 677-684 8 p.

Crowding and visual search in high functioning adults with autism spectrum disorder

Constable, P., Solomon, J., Gaigg, S. & Bowler, D., 2010, In: Clinical Optometry. 2010, 2, p. 93-103 11 p.

Glial cell factors and the outer blood retinal barrier

Constable, P. & Lawrenson, J., 2009, In: Ophthalmic and Physiological Optics. 29, 5, p. 557-564 8 p.

P-Glycoprotein Expression and Function in the Retinal Pigment Epithelium

Constable, P., Lawrenson, J. & Abbott, J., 2008, *Ocular Transporters in Ophthalmic Disease and Drug Delivery*. HUMANA PRESS, p. 235-253 19 p.

Light and alcohol evoked electro-oculograms in cystic fibrosis

Constable, P., Lawrenson, J. & Arden, G., 2006, In: Documenta Ophthalmologica. 113, 2, p. 133-143 11 p.

P-Glycoprotein expression in human retinal pigment epithelium cell lines

Constable, P., Lawrenson, J., Dolman, D., Arden, G. & Abbott, J., 2006, In: Experimental Eye Research. 83, 1, p. 24-30 7 p.

The electro-oculogram

Arden, G. & Constable, P., 2006, In: Progress in Retinal and Eye Research. 25, 2, p. 207-248 42 p.

Compartmental analysis of taurine transport to the outer retina in the bovine eye

Hillenkamp, J., Hussain, A., Jackson, T., Constable, P., Cunningham, J. & Marshall, J., 2004, In: Investigative Ophthalmology and Visual Science. 45, 11, p. 4099-4105 7 p.