

Professor Richard Siegert



**AUT BRAIN HEALTH
RESEARCH INSTITUTE**



Research focus

Richard is a Professor of Psychology and Rehabilitation at AUT, with a joint appointment across the School of Public Health and Psychosocial Studies and the School of Clinical Sciences. His research focuses on measurement in neurological rehabilitation, mental health, and palliative care, with a particular emphasis on developing psychometrically robust tools to assess complex psychological and behavioural constructs. His work also explores outcome measurement and goal-setting in rehabilitation, especially for people with complex neurological conditions, reflecting a long-standing interest in improving assessment and care for diverse and disadvantaged populations.

Current projects

1. Network analysis in psychiatric, cognitive and respiratory health conditions
2. Music therapy sensory instrument for cognition, consciousness, and awareness (MuSiCCA) in children and adolescents with prolonged disorders of consciousness.
3. Bayesian approaches to outcome prediction in disorders of consciousness

Examples of recent work

Faulkner, J. W., Snell, D., Theadom, A., **Siegert, R. J.**, Nielsen, K., & Williams, M. N. (2026). Identifying the bridges between post-concussion symptoms and psychological distress in mild traumatic brain injury using network analysis. *The Journal of Head Trauma Rehabilitation*, 41(3).

Thomas, E.J., Taylor, W.J., **Siegert, R. J.**, & Levack, W. M. (2025). Brain Injury Sense of Self Scale: psychometric development of a new measure of strength of self-identity after traumatic brain injury. *European Journal of Physical and Rehabilitation medicine*, 61.

Faulkner, J. W., Snell, D., & **Siegert, R. J.** (2025). Rasch Analysis of the Depression Anxiety Stress Scales-21 (DASS-21) in a Mild Traumatic Brain Injury Sample. *Brain Injury*, 39(2), 136 – 144.

Positions

Professor - AUT

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