



Dr Laura Bach, MA, M.Sc., PhD,  
C.Psychol., AFBPsS, Dip. Clin. Neuropsych.  
**Chartered Clinical Psychologist**



Health Professions Council Registration: **PYL29432**  
British Psychological Society Membership: **245165**

Dr Laura Bach is a Clinical Psychologist specialising in the assessment and treatment of neuropsychological disorder. She is currently the lead neuropsychologist responsible for an inpatient unit treating neurological injuries and disorders including TBI, Stroke, Infection, Tumour, Guillam Barre, and progressive neurological disorders, including Multiple Sclerosis, MND and Parkinson's Disease. She has also set up and provide a rehabilitation service to patients with Functional Neurological Disorders (FND).

She has worked in post-acute inpatient neurorehabilitation and community based rehabilitation across the NHS, private and charity sectors. I have experience of working with brain injury clients who have complex cognitive, emotional, and behavioural presentations and care needs.

She is an honorary research fellow and teaches post graduate psychology and PhD students. She has also worked as an expert witness since 1998 (prosecution 70% and defence 30%) specialising specialist neurodiagnostic assessments in complex high-value injury cases. She received the Expert witness of the Year Award in 2018.

#### **EXPERT WITNESS EXPERIENCE**

- Complex diagnostic assessment / differential diagnosis (personality, psychopathy, Autism, mental health, brain injury, dementia)
- Intellectual and Cognitive function assessment
- Head/Brain injury including TBI, stroke, epilepsy and anoxia.
- Physical injury and psychological consequences including emotional distress e.g. PTSD, fatigue, disturbed sleep, pain etc. impacting on return to work.
- Occupational assessments for Employment Tribunals.
- Complex Mental Capacity and fitness to instruct.
- Competency to stand trial and fitness to plead
- Post concussion syndrome (PCS) assessment and treatment
- Post traumatic stress disorder (PTSD) assessment and treatment.

#### **MEDICO-LEGAL REHABILITATION**

- Evidence-based neuropsychological interventions for brain injury individuals with complex cognitive, emotional, behavioural presentations
- Intervention for epilepsy, PCS, PTSD, Adjustment disorder
- Assessment and intervention for insight and insight raising
- Assessment and intervention for apathy/motivation with associated mood disorder

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## PROFESSIONAL QUALIFICATIONS

- 2005 Ph.D. Institute of Psychiatry, Kings College, University of London. Behavioural disturbance in acquired brain injury: the role of self-awareness and social cognition.
- 1998 Diploma in Clinical Neuropsychology, Institute of Psychiatry, Kings College, University of London. Post-qualification diploma covering specialist areas of theory and assessment in clinical neuropsychology.
- 1996 MSc. in Clinical Psychology. Institute of Psychiatry, Kings College, University of London, Service Evaluation Project (as part fulfilment of MSc). An investigation of long-term mental health users of hospital and community day-care centres. Thesis (as part fulfilment of MSc). A study of information processing (concentration) in people with tinnitus.
- 1986 Research Student, Oxford University.  
An investigation of spatial memory using single cell recording in the primate hippocampus. (see Publications).
- 1985 M.A. Honours Upper Second in Psychology. Glasgow University.  
Thesis: Drug Addiction: An investigation of morphine analgesic tolerance in rats .

## WORK HISTORY

**2012-Now Lead Clinical Neuropsychologist at Hillingdon Hospital NHS Trust Neurorehabilitation.**

**Visiting Research Fellow, Goldsmiths College, University of London.**

She provides specialist neurorehabilitation for patients and carers/families across two sites; Alderbourne Rehabilitation Unit, Hillingdon Hospital and Daniels Ward, Mount Vernon Hospital for patients at a subacute stage of recovery from neurological disorders.

She am responsible for 36 patients with a variety of neurological injuries and disorders including TBI, Stroke, Infection, Tumour, Guillam Barre, and progressive neurological disorders, including Multiple Sclerosis, MND and Parkinsons Disease. I set up and provide a rehabilitation service to patients with Functional Neurological Disorders (FND).

**2011-17 Clinical Neuropsychologist, Regional Neuro Rehabilitation Unit Outreach Team and co-lead for research for adult therapies, Homerton Hospital.**

**Visiting Research Fellow, Goldsmiths College, University of London**

Providing a community outreach psychology service in the North-East London region, and Essex. This work involves an integrated, interdisciplinary team approach providing a global and holistic neurorehabilitation service to adults with acquired brain injury following discharge from hospital.

**2009-11 Consultant Clinical Neuropsychologist, Regional Rehabilitation Unit (RRU), Northwick Park Hospital**

The RRU has up to 22 beds and offers intensive multidisciplinary treatment to adults with acquired, severe and complex cognitive, communicative and/or physical difficulties. A range of conditions are managed including acquired brain injury of any kind, for example, stroke, trauma, anoxia, encephalitis, meningitis, and vasculitis, as well as other conditions such as Guillain Barre Syndrome, and critical illness neuropathy. All patients have complex requirements, and their families are also in need of support at this stage of post-acute recovery. This post included

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provision of specialist comprehensive assessment and intervention service to adult patients with acquired brain injury through trauma, assault, road traffic accident, stroke, neurodegenerative disease, alcoholism, anoxia etc. Support for families. Management of the service and service development.

**2008-09 Clinical Neuropsychologist, St George's Hospital, London.**

*(i) Clinical Neurorehabilitation*

Provision of a comprehensive assessment and intervention service to adult patients with acquired brain injury through trauma, assault, road traffic accident, stroke, neurodegenerative disease, alcoholism, anoxia etc. at the Wolfson Neurorehabilitation Centre, Wimbledon.

*(ii) Diagnostic Assessment for Epilepsy*

To provide a neuropsychological service at the Atkinson Morley Wing, St. George's Hospital, for patients referred to the epilepsy centre. Assessment of epilepsy patients for neurosurgical procedures, differential diagnostic assessment of patients presenting with possible non-epileptic attacks.

*(iii) Academic research – functional imaging of memory and language in patients with epilepsy*

**2006-08 Scientific Officer Cambridge Cognition Ltd.**

Provision of scientific and technical input to the pharmaceutical industry and to develop new clinical product.

Product development - manage and develop new products.

Business development - manage and develop new business opportunities and commercial relationships. Design and develop new CANTAB tests.

Business and Scientific Professional Development includes attending the following conferences and training courses plus in-house training:

**1998-06 Highly Specialist Clinical Neuropsychologist at the Lishman Brain Injury Unit, Maudsley Hospital, Denmark Hill, London.**

Provision of a comprehensive neuropsychological and psychological assessment and intervention service to adult patients with acquired brain injury through trauma, assault, road traffic accident, stroke, neurodegenerative disease, alcoholism, anoxia etc.

Honorary Lecturer at Institute of Psychiatry providing teaching to students on the clinical psychology D.Clin. Psy program.

**1996-98 Clinical Psychologist for elderly services, Maudsley Hospital, Denmark Hill, London.**

Providing comprehensive inpatient and outpatient service to older adults. Neuropsychological assessment of and intervention for dementias, Alzheimer's disease and other neurodegenerative disorders (e.g. Parkinson's disease). Management of challenging behaviours associated with dementia.

**SPECIALIST TRAINING AND PROFESSIONAL DEVELOPMENT**

Oct 2017 Advanced Acceptance and Commitment Therapy (ACT) Training course, David Gillanders run by Charing Cross Hospital, 2-day course.

Feb 2016 Acceptance and Commitment Therapy (ACT) Training course run by SDS Seminars (BPS Approved) Ltd.

June 2015 Clinical Supervision for therapies – one day course run by Homerton Hospital

- May 2015    Motivational Interviewing (Advanced) in Brain Injury Rehabilitation – one day course run by MLR Consulting and BPS
- Nov 2014    The Added Value of Clinical Neuropsychology – Division of Neuropsychology Annual Conference 28

#### **PROFESSIONAL MEMBERSHIP & REGISTRATION**

- Full Member of the British Psychological Society (BPS).
- Full Practitioner Member of the Division of Neuropsychology (BPS).
- Member of the Press Committee BPS 2005 - 2006.
- Member of the International Neuropsychological Society.
- Member of the European Brain and Behaviour Society - up to 2006.
- Member of the working committee for Stigma against Mental Health Campaign, Royal College of Psychiatrists. 2001 – 2003.
- Member of the British Neuropsychiatric Association 2002 – present.
- Specialist Training and Continuing Professional Development

#### **RESEARCH AND PUBLICATIONS**

- Bach, L.J. and Powell, J. (in preparation). Long term outcomes in quality of life and psychosocial integration in community dwelling individuals with acquired brain injury.
- Bach, L.J. (2014). Long term rehabilitation management and outcome of anti-NMDA receptor encephalitis: case reports. *Neurorehabilitation*, 35, 863- 875.
- Bach L. J. and David A.S. (2006). Self-awareness after acquired and traumatic brain injury. *Neuropsychological Rehabilitation*, 16 (4): 397 – 414.
- Bach L, David A.S, Happé F.G. (2005). Social Insight and behavioural disturbance in acquired brain injury. *Brain Injury*, 19, Suppl. 1, 52.
- Bach L, Happé F, Fleminger S. and David A. (2004). Intact Theory of Mind in brain injury patients with behavioural disturbance. Poster Presented at the 14th Annual Rotman Research Institute, Conference Traumatic Brain Injury, Toronto, March 2004 Brain & Cognition.
- Bach L. (2004). “Pook the hamster wants to know what’s wrong with Ben and Lucy’s Dad”. A psychoeducational book for parents and children of a relative with brain injury. Available from Laura Bach.
- Liamaki G. and Bach L. (2003). Group Intervention for carers of brain injured relatives: Thoughts and suggestions. *Clinical Psychology*, 26, 28 – 31.
- Contributor to the Royal College of Psychiatrists CD-ROM (2002). 1 in 4 Stigma against mental health campaign for adolescents.
- Bach L, Happé F, Fleminger S. (2002). Theory of Mind : Role of the Frontal Lobes and Executive Function in a case of Acquired Brain Injury. *Cognitive Neuropsychiatry*, 5 (3), 175 – 192.
- Bach L. and G. H. Gudjohnsson G.H. (1999). Evaluation of Lawyers' Satisfaction with Expert Witness Reports. *Expert Evidence*, 6, 261 - 271.

- Bach L, Davies S, Colvin C, Happé F, Wijeratne C, and Howard R. (1998). A neuropsychological investigation of Theory of Mind and Executive function tasks in an elderly lady with frontal leucotomy. *Cognitive Neuropsychiatry*, 3, 139 - 157.
- Beecroft, N, Bach L, Tunstall N, Howard R. (1998) Case Report. An unusual case of Pica. *International Journal of Geriatric Psychiatry*, 13, 638 - 641.
- Ha. Y. and Bach L. (1998). Late onset schizophrenia and temporal lobe epilepsy: coincidence or causal? A case report. *International Journal of Geriatric Psychiatry*, 13, 262 - 267.
- Bach L, McKenna L. and Cadge B. (1996). A study of Information Processing in people with Tinnitus. (MSc Thesis - unpublished).
- Bach L, McCulloch J. and Hunter R. (1993). Short Report, The single EEG in Alzheimer's Disease. What value for prognosis? *International Journal of Geriatric Psychiatry*, 8, 327 -330.
- Hunter R, Brown D, Bach L, Wyper D, Patterson J. and McCulloch J. (1993). The effect of acetylcholinesterase inhibitor Velnacrine on Cognition and Regional Cerebral Blood Flow in Alzheimer's Disease. Book Chpt in *Alzheimer's Disease: Advances in Clinical and Brain Research*. ed. B. Corain. John Wiley & Son Ltd.
- Bach L, Hunter R, Brooks D.N, and McCulloch J. (1992). Cross-modal matching and the role of the Parietal lobe in Alzheimer patients. *Neurobiology of Aging*, 13, 59.
- Hunter R, Brown D, Bach L, Wyper D, Patterson J. and McCulloch J. (1992). The effect of the acetylcholinesterase inhibitor Velnacrine on memory and regional cerebral blood flow in Alzheimer's disease. *Neurobiology of Aging*, 13, 124.
- Rolls E.T, Miuyashita Y, Cahusac P.M, Nikki H, Feigenbaum J.D, and Bach L. (1989). Hippocampal neurones in the monkey with activity related to the place in which a stimulus is shown. *Journal of Neuroscience*, 9, 1835 - 1845.
- Dafters R. and Bach L. (1985). Absence of environment-specificity in morphine tolerance acquired in non-distinctive environments: habituation or overshadowing? *Psychopharmacology*, 87, 101-106.

## **GRANTS AND AWARDS**

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| 2014 | Awarded First Place for poster presented at Division of Neuropsychiatry conference entitled 'Long term follow-up management and rehabilitation of patients with anti-MDAR encephalitis: case reports. |
| 2005 | Awarded a British Association of Science Media Fellowship.  |
| 2004 | Awarded a grant for £5,000 from the South London and Maudsley NHS Charitable Trust following a bid for funding for development and production of the Pook Book.                                       |
| 1997 | Awarded monies £750 from the Zeebrugger Disaster Fund small bids, Institute of Psychiatry to fund research projects.  |

