

Simposio Internacional: Diagnóstico diferencial de las demencias corticales. Un enfoque pluridisciplinar
International Symposium: Differential diagnosis of cortical dementias: A multidisciplinary approach

Madrid, 29-30 de octubre de 2012
Madrid, October 29-30, 2012

Thomas Hieronymus Bak

Human Cognitive Neuroscience Sciences

7 George Square
Edinburgh EH8 9JZ
Tel. 0131 650 3441
Fax. 0131 650 3440

Centre for Clinical Brain

Chancellor's Building
49 Little France Crescent
Edinburgh EH16 4SB
Tel. 0131 2426260

e-mail: thomas.bak@ed.ac.uk

Chair of the World Federation of Neurology, Research Group on Aphasia & Cognitive Disorders (WFN RGACD)
Research Associate of Corpus Christi College, University of Cambridge

KEY PUBLICATION

Bak TH, O'Donovan DG, Xuereb JH, Boniface S, Hodges JR (2001) Selective impairment of verb processing associated with pathological changes in the Brodmann areas 44 and 45 in the motor neurone disease / dementia / aphasia syndrome. ***Brain***, 124, 103-120. **(Cited 210 times)**

CAREER HISTORY

Since 2006 Lecturer in Human Cognitive Neuroscience, University of Edinburgh
1996-2006 Research associate at the MRC-CBU and the Neurology Unit, Addenbrooke's Hospital, Cambridge
Establishing and running of the Clinic for Disorders of Movement and Cognition (DMC) 1996-2006;



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1995-1996 Senior House Officer (SHO) in Clinical Neurosciences, Addenbrooke's Hospital, Cambridge

1991-1994 Medical resident, Departments of Psychiatry and Neurology, Free University Berlin

1990-1991 Medical resident, Psychiatric Hospital Muensingen, Switzerland

EDUCATION

1988-1990 Doctoral Thesis "Acute Aphasias", Neurological Department, University of Freiburg im Breisgau,

Supervisor: Prof. Claus W. Wallesch, completed with "Magna cum laude"

1980-1988 Study of medicine in Homburg/Saar, Essen and Hamburg, Completed with "Approbation als Arzt" (medical licence to practice)

1979-1980 Zeppelin-Gymnasium, Stuttgart, completed with "Abitur" (university qualifying exam)

1975-1978 Nowodworski Liceum (High School), Cracow, Poland

HONOURS & INVITATIONS

Oct-Nov 2011 Invited Visiting Scholar in Neurology and Linguistics at Ludwig-Maximilian's University, Munich, Centre for Advanced Studies

May 2010 Elected President of the World Federation of Neurology - Research Group on Aphasia and Cognitive Disorders (WFN RGACD)

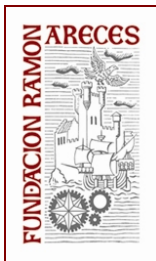
Oct 2008 Elected Member of the Academy of Aphasia

Sept 2005 Visiting Scholar at Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

RESEARCH GRANTS

World Federation of Neurology: Cognitive Clinics Worldwide, 2011-12, *PI*, \$ 35 213

MNS Association: Screening for Cognitive and Behavioural Change in ALS, 2011-13, *Co-PI*, £ 134 000



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PPLS Pilot Grant, The cognitive mechanisms underlying time perception in deaf subjects,
2012, *PI*, £ 2070

ESRC, First language attrition meets second language learning: interaction of linguistic
and executive control

factors in late bilinguals, *Co-Applicant*, 2012-14, £ 348,279

Scottish MND Association, PhD scholarship, 2009-12: "The nature of speech deficits in
MND", *PI*, £ 63 014

Silvia Aitken Charitable Trust: "Cognitive and Behaviour Change in MND", 2009-12, *Co-
applicant*, £ 100 000

Univ. of Edinburgh Research Trust, Royal Society of Edinburgh, Soillse Research Fund,
NHS Western Isles:

"Bilingualism and Cognition in the Western Isles Project " 2008-2010, *PI*, joint total of ca. £
15 000

CAPES Postdoctoral Internship (Brasil): "Language Comprehension in FTD, 2008, *PI*, £16
776

MND Association: PhD studentship 2007-2010, "Cognitive impairment in MND", *Co- PI*, £
69 220

Leverhulme Trust: "Aphasia in a morphologically complex language" 2004/5, *Co-applicant*,
£ 12 655

PSP Association: "Clinical and Neuropsychological studies of PSP", 2000-4, *Co-applicant*,
£ 42 000

PhD SUPERVISION AND EXAMINATION

PhD supervision:

- 3 current PhD students
- 3 passed viva successfully

PhD/MD examination: 3 internal, 3 external UK, 4 external overseas (Australia, Italy,
Spain, Brasil)

INVITED PEER REVIEWER



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Invited reviewer for over 20 journals (including Brain, Annals of Neurology, Cortex, JNNP, J of Neurology etc)

Member of the editorial board of "Behavioural Neurology"

RECENT INVITED/KEYNOTE LECTURES (SELECTION)

November 2011 "The importance of Language and Culture for the Diagnosis of Aphasia". World Congress of Neurology, Marrakech.

October 2011 "What wires together, dies together – patterns of language impairment in neurodegeneration". Centre for Advanced Studies of the Ludwigs Maximilians University Munich.

September 2011 "Persoenlichkeit und Verhalten in Neurodegenerativen Erkrankungen" (Personality and Behaviour in Neurodegenerative Diseases). Annual Meeting of the German Society for Neurology, Wiesbaden.

June 2011 "Cognitive Assessment in Parkinsonian Syndromes". Movement Disorders Society Meeting, Toronto.

May 2011 "Le tre faccìe della Degenerazione Corticobasale" (The three faces of CBD). Workshop on Atypical Dementias, Brescia, Italy.

Nov 2010 "Afasiologia del futuro: más allá del agramatismo, más allá del Inglés" (*The aphasiology of the future: beyond agrammatism, beyond English*). Chilean Society for Neurology & Psychiatry (SONPSYN), Coquimbo, Chile

Nov 2010 "Demência: o que é e o que não é" (*Dementia: what it is, what it is not*); First International Congress of Neuropsychology and Neuropsychiatry, Goiania, Brasil.

May 2010 "ALS and dementia: what the past teaches us about future" 50th Anniversary Meeting of the Japanese Neurological Society, Tokyo, May 2010.

June 2009 "ALS, FTD & behaviour: Learning from the Old Masters"– Opening lecture of the Third International Conference on ALS/FTD, June 2009, London/Ontario, Canada.

Teaching/lecturing experience in 6 languages (English, German, Polish, Spanish, Portuguese and Italian).

PUBLICATIONS (SELECTION)

Beveridge MEL, **Bak TH** (in press) Beyond one-way streets: the interaction of phonology, morphology and culture with orthography. Comment on Frost R: Towards a Universal Model of Reading. *Brain and Behavioural Sciences*.

Watson AR, Defterali C, **Bak TH**, Sorace A, McIntosh AM, Owens DCG, Johnstone EC, Lawrie SM (in press) Excess use of the second person pronoun “you” precedes transition to schizophrenia. *British Journal of Psychiatry*.

Mathew R, **Bak TH**, Hodges JR (2011) Diagnostic criteria for Corticobasal Syndrome: A comparative study. *Journal of Neurology, Neurosurgery and Psychiatry*. E-pub 21 October 2011

Bak TH, Chandran S (2011) What wires together, fires together: Verbs, Actions and Neurodegeneration in Motor Neuron Disease. *Cortex*. E-pub 31 August 2011.

Schofield EC, Hodges JR, **Bak TH**, Xuereb J, Halliday GM (2011) The relationship between clinical and pathological variables in Richardson's Syndrome. *Journal of Neurology*. E-pub 12 August 2011

Beveridge MEL, **Bak TH** (2011) The languages of aphasia research: bias and diversity. *Aphasiology*; 25, 1451-68.

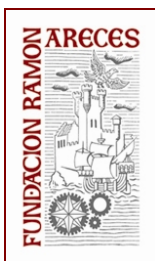
Bak TH (2011) Why movement and cognition belong together. *Nature Reviews Neurology*; 7, 10-12.

Connick P, Kolappan M, **Bak TH**, Chandran S (2011) Verbal fluency as a rapid screening test for cognitive impairment in progressive multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*; 83, 346-7.

Mathew R, **Bak TH**, Hodges JR (2011) Screening for Cognitive Dysfunction in Corticobasal Syndrome: Utility of Addenbrooke's Cognitive Examination. *Dementia and Geriatric Cognitive Disorders*; 31: 254-258.

Bak TH (2010) Motor neuron disease and frontotemporal dementia: One, two or three diseases? *Annals of Indian Academy of Neurology*, **13**, S81-8.

Bak TH, Crawford LM, Berrios G, Hodges JR (2010) Behavioural symptoms in progressive supranuclear palsy and frontotemporal dementia. *Journal of Neurology, Neurosurgery and Psychiatry*. 81:1057-1059



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Brown RG, Lacomblez L, Landwehrmeyer BG, **Bak T**, Uttmer I, Dubois B, Agid Y, Ludolph A, Bensimon G, Payan C, Leigh N (2010) . Cognitive impairment in patients with multiple system atrophy and progressive supranuclear palsy. *Brain* 133, 2382–2393 (2010).

Lillo P, Garcin B, Hornberger M, **Bak TH**, Hodges JR (2010) Neurobehavioural Features in Frontotemporal Dementia With Amyotrophic Lateral Sclerosis. *Archives of Neurology*, 67, 826-830.

Zarei M, Pouretmad H, **Bak TH**, Hodges JR (2010) Autobiographical Memory in Progressive Supranuclear Palsy. *European Journal of Neurology*, 17, 238-241.

Ghosh B, Rowe J, Calder A, **Bak TH** (2009) Emotion Recognition in Progressive Supranuclear Palsy. *Journal of Neurology, Neurosurgery and Psychiatry*; **80**: 1143-1145.

Shelley BP, Hodges JR, Kipps C, Xuereb J, **Bak TH** (2009) Is the pathology of corticobasal syndrome predictable in life? *Movement Disorders*; **24**:1593-9.

Lesniak M, **Bak T**, Czepiel W, Seniow J, Czlonkowska (2008) The frequency and prognostic value of cognitive disorders in stroke. *Dementia and geriatric cognitive disorders*; **26**, 356-63.

Bak TH, Hodges JR (2008) Corticobasal Degeneration: clinical aspects. In Duyckaerts C & Litvan I (ed) *Handbook of Clinical Neurology: Dementias*, 509-521.

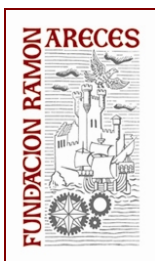
Antoniades C, **Bak T**, Carpenter R, Hodges JH, Barker R (2007) The diagnostic potential of saccadometry in Progressive Supranuclear Palsy. *Biomarkers in Medicine*, **1**, 487-490.

Alladi S, Xuereb J, **Bak T**, Nestor P, Knibb J, Patterson K, Hodges J (2007) Focal cortical presentations of Alzheimer's disease. *Brain*, **130**, 2636-2645.

Bak TH, Mioshi E (2007) A cognitive bedside assessment beyond the MMSE: the Addenbrooke's Cognitive Examination. *Practical Neurology*, **7**: 245-249.

Hillis AE, Heidler-Gary J, Newhart M, Chang S, Ken L, **Bak TH** (2006) Naming and Comprehension in Primary Progressive Aphasia: The Influence of Grammatical Word Class. *Aphasiology*, **20**, 246-256.

Bak TH, Caine D, Hearn VC, Hodges JR (2006) Visuospatial functions in atypical parkinsonian syndromes. *Journal of Neurology, Neurosurgery and Psychiatry*. **77**, 454-456.



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Bak TH, Yancopoulou D, Nestor PJ, Xuereb JH, Spillantini MG, Pulvermüller F, Hodges JR (2006) Clinical, imaging and pathological correlates of a hereditary deficit in verb and action processing. *Brain*, 129, 321-332.

Bak TH, Rogers TT, Crawford LM, Hearn VC, Mathuranath PS, Hodges JR (2005) Cognitive bedside assessment in atypical parkinsonian syndromes, *Journal of Neurology, Neurosurgery and Psychiatry*. **76**, 420-422.

Bak TH, Crawford LM, Hearn VC, Mathuranath PS, Hodges JH (2005) Subcortical dementia revisited: similarities and differences in cognitive function between Progressive Supranuclear Palsy (PSP), Corticobasal Degeneration (CBD) and Multiple System Atrophy (MSA). *Neurocase*; 11: 268-273.

Bak TH, Hodges JR (2004) The effects of Motor Neurone Disease on Language: Further evidence. *Brain and Language*. **89(2)**:354-61

Mathuranath PS, Hodges JR, Mathew R, Cherian PJ, George A, **Bak TH** (2004) Adaptation of the ACE for a Malayalam speaking population in southern India. *International Journal of Geriatric Psychiatry*, **19**, 1188-1194.

Bak TH, Hodges JR (2003) "Kissing and Dancing" - a test to distinguish the lexical and conceptual contributions to noun/verb and action/object dissociation. Preliminary results in patients with frontotemporal dementia. *Journal of Neurolinguistics*, **16**, 169-181.

Bak T, Donald LM, Hearn VC, Hodges JR. (2003) Cognitive and behavioural profile of atypical parkinsonian syndromes. *Journal of Neurology, Neurosurgery and Psychiatry*, **74**: 397-410.

Mathuranath PS, Hodges JR, Mathew R, Cherian PJ, George A, **Bak TH** (2004) Adaptation of the ACE for a Malayalam speaking population in southern India. *International Journal of Geriatric Psychiatry*, **19**, 1188-1194.

Hodges JR, Davies R, Xuereb J, Casey B, Broe M, **Bak T**, Kril J, Halliday G. (2004) Clinicopathological correlates in frontotemporal dementia. *Annals of Neurology* **56(3)**, 399-406

Graham N, **Bak TH**., Patterson K, Hodges JR. (2003) Language function and dysfunction in corticobasal degeneration. *Neurology*, **63**, 493-499.



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Ho AK, Manly T, Nestor P, Sahakian B, **Bak TH**, Robbins TW, Rosser AE, Barker RA (2003) A case of Unilateral Neglect in Huntington's Disease. *Neurocase*, **9**, 261-273.

Bak TH, Hodges JR (2003) "Kissing and Dancing" - a test to distinguish the lexical and conceptual contributions to noun/verb and action/object dissociation. Preliminary results in patients with frontotemporal dementia. *Journal of Neurolinguistics*, **16**, 169-181.

Bak T, Donald LM, Hearn VC, Hodges JR. (2003) Cognitive and behavioural profile of atypical parkinsonian syndromes. *Journal of Neurology, Neurosurgery and Psychiatry*, **74**: 397-410.

Graham N., **Bak TH**, Hodges JR (2003) Corticobasal degeneration as a cognitive disorder: A critical review. *Movement Disorders*. **8(11)**:1224-32

Spatt J, **Bak T**, Bozeat S, Patterson K, Hodges JR (2002) Apraxia, mechanical problem solving and semantic knowledge: contributions to object usage in corticobasal degeneration. *Journal of Neurology*, **249**, 601-608.

Seniow J, **Bak T**, Gajda J, Poniatowska R, Czlonkowska A (2002) Cognitive functioning in neurologically symptomatic and asymptomatic forms of Wilson's disease. *Movement Disorders*, **17**, 1077-1083.

Bak TH, Antoun N, Balan KK, Hodges JR. (2001) Memory Lost, Memory Regained: Neuropsychological

findings and neuroimaging in two cases of paraneoplastic limbic encephalitis with radically different outcomes.

Journal of Neurology, Neurosurgery and Psychiatry **71**, 40-47.