

DR THOMAS HIERONYMUS BAK

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MAIN RESEARCH INTERESTS

- Impact of language learning and bi-/multilingualism on cognitive functions and wellbeing across the lifespan
- Interaction between multilingualism, cognitive ageing/cognitive reserve and brain diseases (dementia, aphasia)
- Language-specificity of memory, changes in language use and preference across the lifespan and in dementia
- Language, movement & cognition: cognitive aspects of movement disorders and motor aspects of cognitive disorders
- Cross-linguistic and cross-cultural adaptation of cognitive assessment

Employment History

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| Since 2015 | Reader, School of Philosophy, Psychology & Language Sciences, University of Edinburgh |
| 2006-2015 | Lecturer, School of Philosophy, Psychology & Language Sciences, University of Edinburgh |
| 1996-2006 | Research associate, MRC-Cognition and Brain Sciences Unit (CBU), Cambridge |
| 1995-1996 | Senior House Officer (SHO) in Clinical Neurosciences, Addenbrooke's Hospital, Cambridge |
| 1991-1994 | Assistenzarzt (SHO equivalent), Departments of Psychiatry and Neurology, Free University Berlin |
| 1990-1991 | Assistenzarzt (SHO equivalent), Psychiatric Hospital Münsingen, Switzerland |

Education/Qualifications

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| 1987-1990 | Doctoral Thesis " <i>Acute Aphasias</i> ", University of Freiburg im Breisgau, "Magna cum laude" |
| 1980-1986 | Study of medicine, completed with "Approbation" (Medical Licence), University of Hamburg |
| 1979-1980 | Zeppelin-Gymnasium, Stuttgart, completed with "Abitur" (German A-level equivalent) |
| 1975-1978 | Nowodworski Liceum (High School), Cracow, Poland |
| 1967-1975 | Primary Schools no.19 and 34 (mathematical class) in Cracow, Poland |

Visiting Appointments

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| Since 2020 | Visiting Professorship, Ashoka University, India. |
| 2020 | Visiting Professorship, National University of Ireland, Maynooth. |
| 2020 | T.S. Srinivasan Visiting Professorship, National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, India (<i>postponed due to the CoViD-19 pandemics and related lockdown</i>) |
| 2011 | Visiting Scholar at the Centre for Advanced Studies, Ludwig-Maximilian's University, Munich |
| 2005 | Visiting Scholar at Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany |

Leadership Roles

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| 2016-present | Bilingualism Matters Programme Director: "Bilingualism in later life, healthy ageing and dementia" |
| 2016-2020 | Strand Leader "Multilingualism, Cognition, Health and Wellbeing" of the AHRC grant "Multilingualism: Empowering Individuals, Transforming Societies" (MEITS) |
| 2014-2019 | Chair of the grant panel, European Union Joint Programme on Neurodegeneration (JPND) |
| 2010-2018 | President of the Research Group on Aphasia, Dementia & Cognitive Disorders of the World Federation of Neurology (WFN RG ADCD) |

Selected External Research Roles

- Invited reviewer for > 20 journals (incl. *Annals of Neurology*, *Brain*, *Neurology*, *Cortex*, *Neuropsychologia*)
- External reviewer of grants (incl. *ESRC*, *Leverhulme Trust*, *European Research Council*)
- Member of the editorial board of journals *Aphasiology* and *Behavioural Neurology*
- Founding associated editor of the journal *Amyotrophic Lateral Sclerosis and Frontotemporal Dementias*

Languages

Fluent: Polish, German, English, Spanish

Teaching experience: Portuguese, Italian, French

Intermediate/Reading: Russian, Dutch

RESEARCH GRANTS

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| 2017-2018 | ESRC Impact Acceleration grant: <i>The impact of language learning in early dementia on well-being, confidence, and cognitive functions in patients and on the satisfaction and empowerment of the carers</i> ; PI, £ 13 185 |
| 2016-2020 | AHRC Open World Initiative: <i>Multilingualism: Empowering Individuals, Transforming Societies</i> ; Strand-Leader: <i>Cognition, Health & Wellbeing</i> ; Strand Leader: £ 419 496 (out of total of £ 3.2m) |
| 2011-2017 | World Federation of Neurology: <i>Cognitive Clinics Worldwide and Diagnosis & Management of Dementia across the world</i> ; PI, £ 32 983. |
| 2012-2014 | ESRC: <i>First language attrition meets second language learning: interaction of linguistic and executive control factors in late bilinguals</i> ; Co-I, £ 348 279 |
| 2011-2013 | MND Association: Screening for Cognitive & Behavioural Change in ALS, Co-PI, £ 134 000 |
| 2009-2012 | Scottish MND Association, PhD scholarship, <i>The nature of speech deficits in MND</i> ; PI, £ 63 014 |
| 2009-2012 | Silvia Aitken Charitable Trust: “Cognitive & Behaviour Change in MND”, Co-applicant, £ 100 000 |
| 2008-2011 | University of Edinburgh Research Trust, Royal Society of Edinburgh and Soillse Research Fund: <i>Bilingualism and Cognition in the Western Isles of Scotland</i> ; PI, £ 15 000 |
| 2008 | CAPES Postdoctoral Internship (Brasil): “Language Comprehension in FTD”, PI, £ 16 776 |
| 2007-2010 | MND Association: PhD studentship: “Cognitive impairment in MND”, Co-PI, £ 69 220 |
| 2004-2005 | Leverhulme Trust: “Aphasia in a morphologically complex language”, Co-applicant, £ 12 655 |
| 2000-2004 | PSP Association: “Clinical and Neuropsychological studies of PSP”, Co-applicant, £ 42 000 |

TEACHING EXPERIENCE

- **Undergraduate Psychology:** biological psychology, introduction to cognitive neuroscience, literature review, neuropsychology; critical analysis; research project supervision; Universities of Cambridge and Edinburgh
- **Graduate Psychology:** disorders of language functions, functional neuroanatomy, clinical cognitive neuroscience, current topics in psychological research, research project supervision (*MSc in Neuropsychology, Psychology of Language, Individual Differences, also outside psychology: MSc Integrative Neuroscience, Neuroinformatics, Developmental Linguistics*); Universities of Essex & Edinburgh
- **Summer Schools:** Open University (cognitive psychology), LOT University of Groningen (neuroscience of multilingualism), Coimbra Group Universities Multilingualism Summer School, Sarajevo
- **Teaching Courses in Cognitive Disorders** for psychologists, psychiatrists, neurologists and neuroscientists: Turkey, Ukraine, Czech Republic, India, China, Mongolia, Iran, Argentina, Cuba, Colombia, Ecuador, Albania, Serbia.
- **PhD Supervision**
 - 13 successfully supervised to completion (7 as principal supervisor, 6 as co-supervisor)
 - Currently: principal supervisor of 4, co-supervisor of 2
- **Examination of Higher Degrees**
 - 7 UK (Oxford, Cambridge, Birkbeck College London, Reading, Bangor)
 - 13 overseas (Dublin, Santiago, Granada, Bilbao, Milan, Sydney, Melbourne, Hyderabad, Singapore)

Public engagement, knowledge exchange & lectures for general public

Media (Radio/TV/Press):

- Radio: BBC Scotland/Wales/Northumberland/World Service, BBC Scotland Brainwaves programme, Deutsche Welle, Public Radio International etc
- TV: BBC1, BBC2 (Trust me, I am a doctor, Twinstitute, Horizon), Scottish TV, Canadian TV
- Journals & magazines (including *The Observer, Times/Sunday Times, New Scientist, Times, El Mundo, ABC*)
- Letters in: “The Guardian”, “The Scotsman”; “The Thunderer” Column in “The Times”

Events for general public:

- Information events for dementia patients and carers (e.g. *Alzheimer Society*) & professionals
- Lifelong Learning courses (e.g. Brain & Language course at *Madingley Hall, Cambridge University*)
- Science Festivals: *British Science Festival 2010, Edinburgh Science Festival 2015, 2016, 2017*
- Cabaret of Dangerous Ideas, *Edinburgh Fringe Festival & Edinburgh Book Festival, 2016, 2017, 2018, 2019*
- European Researchers’ Night, European Commission & European Parliament, Brussels
- Global Future Symposium (with policy makers), London Language Show

Policy briefings/consultations:

- **Scottish Government**, Chief Medical Officer Directorate, International Trade & Investment Directorate
- **Northern Ireland Department for Communities**, Irish Language Academy, Belfast,
- **European Commission**, Directorate General Education and Culture, consultation 2016, keynote lecture 2017
- **European Language Council**
- **House of Lords, All Party Parliamentary Group on Modern Languages**
- **Scottish Parliament, All Party Parliamentary Group on Poland**
- **European Union Education Committee**
- **Department of Health and Social Care, Foreign & Commonwealth Office**

Invited lectures (recent selection from over 100 invited/keynote/plenary lectures, delivered in 7 languages):

- March 2021 *Cognitive neuroscience of multilingualism and sociolinguistics: a tale of two rivers*. ABRALIN international on-line lecture series (*Associação Brasileira de Linguística*)
- Feb 2021 *Multilingualism, cognition and the replication crisis: much ado about nothing or a paradigm shift?* Invited lecture. National University of Ireland, Maynooth, Psychology Department.
- Dec 2020 *The executive brain: why concepts matter*. Edinburgh Neuroscience Annual Christmas Lecture.
- Dec 2020 *Cognitive linguistics and sociolinguistics of Multilingualism: a tale of two rivers*. PsychoNeuroLinguistics Online Conference.
- Oct 2020 *Language development across the lifespan: a window into a human mind*. Lithuanian Society of Psychology, Annual Meeting (online).
- June 2020 *Why cognitive neuroscience leads us to sociolinguistics*. Conference on Multilingualism, Reading. Online.
- June 2020 *Monolingualism: epidemiology, natural history, treatment and prevention*. Irish Association for Applied Linguistics (IRAAL). Online.
- March 2020 *Multilingüismo desde el punto de vista de la neurociencia*. On-line lecture for Neuron Academy Spain.
- March 2020 *Multilingualism: Language, Cognition and Brain Health*. National University of Ireland, Maynooth.
- Feb 2020 *Sex, drugs and bilingualism: language learning between evolution, ideology and science*. Edinburgh Language Event, Institut Francais, Edinburgh.
- Feb 2020 *Multilingualism and Language Learning*. Keynote Lecture at the meeting “Creativity with Languages at Schools”, SOAS, London
- Feb 2020 *Multilingualism and Cognition: rethinking language education*. Kensington Wade School, London.
- Jan 2020 *Conflicting findings in bilingualism and cognition research: a curse or a blessing in disguise?* Bangor University.
- Nov 2019 *Language Assessment; Crosslinguistic Approach to Aphasias; Language Dysfunction in Movement Disorders*. Three talks at the Annual Meeting of Alzheimer’s and Related Disorders Society of India (ARDSI), Trivandrum, Kerala, India.
- Oct 2019 *Cognitive assessment across languages and cultures*. World Congress of Neurology, Dubai.
- Oct 2019 *Language at the Forefront of Cognitive Science*. Invited Lecture for the Opening of the Cognitive Sciences Programme, University of Warsaw, Poland.
- Sept 2019 *Language as a window into the human mind*. Jiao Tong University, Shanghai.
- Sept 2019 *Cognitive benefits of learning and speaking different languages across the lifespan*. University of Aberdeen, Department of Education.
- Sept 2019 *The Effects of Language Learning on Cognition and Wellbeing: from empirical studies to public engagement*. Association of University Professors and Heads of French (AUPHF), Annual Meeting, Edinburgh.
- June 2019 *Why our brains need languages: cognitive effects of language learning and multilingualism*. National University of Ireland, Maynooth.
- May 2019 *Why our brains need languages: the neuroscience of multilingualism across the lifespan*. Summer School in Psycholinguistics, Balatonalmádi, Hungary.
- May 2019 *Nauka języków jako kształcenie umysłu: czy powracamy do źródeł?* (Language learning as mental training: are we returning to the sources?). University of Wrocław, Poland.
- May 2019 *Von den vollgestopften Schubladen zu interaktiven Netzwerken: Sprachlernen aus der Sicht eines Neurowissenschaftlers* (From full drawers to interactive networks: Language Learning from the point of view of a neuroscientist). Zentralinstitut für Allgemeine Sprachwissenschaft (Central Institute for General Linguistics), Humboldt University, Berlin
- May 2019 *Sex, drugs, multilingualism and the illusion of context-free science*. Opening Keynote Lecture at the Journée d’études “Bilinguisme et Alterité”, University of Nantes
- April 2019 *Jezyki jako rezerwa kognitywna?* (Languages as cognitive reserve?) XII Seminarium Neuropsychologiczne “Mózg Aktywny”, Ścinawa, Poland.

- March 2019 *Consequences of Bilingualism for Cognition, Language and the Brain*. Invited Keynote Lecture. International Symposium on Cognition and Neuroscience. Nanyang Technical University, Singapore.
- March 2019 *Bilingualism, dementia and aphasia: practical implications for diagnosis, assessment, and management*. Invited Talk at the Independent Doctors Federation Corporate Event, London.
- January 2019 *Primary progressive Aphasias*. Invited lecture at the Winter Seminar on Dementia and Neurodegenerative Disorders, Bressanone, Italy.
- January 2019 *Cognitive Effects of Language Learning across the Lifespan*. Opening keynote lecture at the Annual Meeting of the Association of University Language Communities (AULC), King's College, London.
- January 2019 *Multilingualism and Health*. Invited lecture at the Conference "Languages and cultural knowledge in global healthcare. Queen's University Belfast.
- November 2018 *Multilingualism and the Brain*. Invited lecture at the Centre for Multilingualism in Society Across the Lifespan, University of Oslo.
- October 2018 *Multilingualism and Language Learning: exploring the boundaries, rethinking the extremes*. Annual Modern and Medieval Faculty Lecture, University of Cambridge.
- September 2018 *Sex, drugs and bilingualism: empirical evidence vs. implicit assumptions*. Biennial Meeting of the World Federation of Neurology Research Group on Aphasia, Dementia and Cognitive Disorders, Viana do Castelo, Portugal.
- September 2018 *From Neuroplasticity to terrorism: new perspectives on bilingualism*. Adam Mickiewicz University, Poznań, Poland.
- September 2018 *Language learning as cognitive training*. Memrise Company, London.
- August 2018 *El efecto de aprendizaje de la lenguas sobre la cognicion y la salud mental (The effects of language learning on cognition and mental health)*. Universidad Surcolombiana, Neiva, Colombia.
- August 2018 *Lenguaje, cognicion y movimiento en la enfermedades neurodegenerativas (Language, cognition and movement in neurodegenerative diseases)*. Universidad Surcolombiana, Neiva, Colombia.
- August 2018 *La interaccion entre lenguaje, cognicion y movimiento (The interaction between language, cognition and movement)*. University of Medellin, Colombia.
- June 2018 *Why our brains need languages*. Keynote lecture at The Annual Meeting of the National Association of Language Advisors (NALA), Stratford-on-Avon.
- June 2018 *Teaching Chinese in a Multicultural World*. Annual Meeting of Chinese Teachers, Confucius Institute, London.
- June 2018 *The effects of Language Learning on cognition and brain health*. Invited keynote lecture, Teaching & Learning Languages in the 21st Century, University of Vilnius, Lithuania.
- June 2018 *Cognitive effects of language learning across the lifespan*. Keynote lecture at the meeting of the European Union Education Committee, Bulgarian EU Presidency, Varna, Bulgaria.
- May 2018 *Does Multilingualism shape the brain?* Invited lecture in the Psychology Department, Jagiellonian University, Cracow, Poland
- May 2018 *Wielojezycznosc: lek czy trucizna? (Multilingualism: poison or panacea?)*, Invited lecture at the XI Neuropsychological Seminar, Lubin, University of Wroclaw, Poland.
- May 2018 *Bilingualism & Cognition: how to ask the right questions*. Conference: The Possibilities of multilingualism in linguistically and culturally diverse settings, University of Turku, Finland
- February 2018 *The cognitive effects of bilingualism: a new dimension in an old debate*. Multilingualism in Polish Context, The University of Cambridge.
- December 2017 *The effects of language learning on brain, mind and health*. Keynote Lecture at the Annual Meeting of the European Language Council, Brussels.
- November 2017 *Bilingualism and the age of onset of dementia*. First International Conference on Cognitive Reserve, Munich.
- November 2017 *Clinical aspects of primary progressive aphasia*. Atypical dementias: from diagnosis to emerging therapies. Trieste.
- October 2017 *Multilingualism as a form of cognitive reserve*. New concepts & routes in the diagnosis and care of dementias. World Federation of Neurology workshop, Tirana, Albania.
- June 2017 *Understanding neurodegenerations: movement, cognition and culture*. Biennial Meeting of the Society of Neuroscientists of Africa (SONA), Entebbe, Uganda.
- June 2017 *Sex, drugs and bilingualism: dangers and opportunities*. Conference: Multilingualism and the declining brain, University of Reading.
- May 2017 *Sex, drugs and bilingualism: why current debates about bilingualism generate so much emotion*. University College London (UCL), Institute of Education.
- May 2017 *Cognitive and Behavioural Symptoms in ALS: why are they there and how to assess them*. Keynote lecture, European Network to Cure ALS (ENCALS), Ljubljana, Slovenia.
- April 2017 *Never too late? Language learning in later life*. Plenary lecture at the 3rd Learning and Plasticity meeting (Special topic: Language learning and neuroplasticity), Akaslompolo, Finland.
- March 2017 *Bilingualism, music and cognitive reserve: magic of logic?* Invited talk at the Edinburgh Neuroscience Day.

- February 2017 *Trastornos de lenguaje entre mente, comportamiento y sociedad (Disorders of language between mind, behaviour and society)*. Grupo de Investigación en Neurociencia de Segovia, Segovia, Spain.
- February 2017 *Cognitive science of bilingualism in its social context*. Invited talk. Centre for Multilingualism in Society Across the Lifespan. Oslo, Norway.
- February 2017 *Current debates surrounding bilingualism, brain and cognition*. Invited talk, Norwegian University of Science and Technology, Trondheim, Norway.
- December 2016 Aphasia and Dementia. Keynote lecture at Brain Ageing and Dementias in LMICs. Nairobi, Kenya.
- December 2016 *ALS/FTD as a disorder of connectivity: why are cognitive symptoms an integral part of the ALS spectrum*. 27th International Symposium on ALS/MND, Dublin, Ireland.
- October 2016 *From chest of drawers to Facebook: the interaction of concepts and technology*. 50th Anniversary Biennial Meeting of the World Federation of Neurology, Research Group on Aphasia, Dementia and Cognitive Disorders (WFN RG ADCD). Villa Monastero, Varenna, Italy.
- September 2016 Bilingualism and bias: the tale of the baby and the bath. Invited talk at the Conference on Multilingualism, University of Ghent, Belgium.
- August 2016 *What Wires Together, Dies Together: Language, Cognition and Motor Functions in Neurodegeneration*. Invited talk, Propagation in Neurodegeneration. Dublin, Malahide.
- June 2016 *Haciendo pasta en La Paz: por que los estudios de cognición en bilingüismo producen resultados tan diferentes? (Cooking pasta in La Paz: why do studies of cognition in bilingualism produce so different results?)*. 1st Iberoamerican Congress of Neuropsychology, Bilbao, Spain.
- June 2016 *The impact of bilingualism on cognitive functions across the lifespan and in brain diseases*. An invited talk in the Focused Workshop *New concepts about language processing in the brain*. 2nd Meeting of the European Academy of Neurology, Copenhagen.
- April 2016 *Motor symptoms in dementia, cognitive symptoms in motor disorders: implications for diagnosis, assessment and management*. Invited lecture, Apollo Clinic, Kolkata.
- March 2016 *Haciendo pasta en La Paz: por que los estudios de cognición en bilingüismo producen resultados tan diferentes? (Cooking pasta in La Paz: why do studies of cognition in bilingualism produce so different results?)* Federation of Spanish Association of Neuropsychology (FANPSE), Zaragoza.
- February 2016 *An overview of language*. Annual Meeting, British Neuropsychiatric Association (BNPA), London
- July 2015 *Bilingualism: apple of discord of cognitive psychology*. Universitat Pompeu Fabra, Barcelona.
- June 2015 *Kann Zweisprachigkeit kognitive Funktionen beeinflussen? (Can bilingualism influence cognitive functions?)*. Free University Berlin.
- June 2015 *Language-impaired and non-impaired ALS patients: two distinct phenotypes?* International Workshop on ALS/FTD, London, Ontario, Canada.
- May 2015 *The Influence of Bilingualism on Cognitive Aging and Dementia: Competence, Communication and Context*, Bilingualism and Executive Functions, City University of New York.
- April 2015 *Bilingualism and Cognition: Myths, Mysteries and Methodological Nightmares*, 50th Anniversary Talk, Department of Applied Linguistics and Communication, Birkbeck College, London

PUBLICATIONS

Metrics (Google Scholar, 15 March 2021):

Total citations: 10493 (citations 2020: 1313); ***h-index*: 53**

Bak, TH & Mehmedbegovic-Smith, D (in press) The cognitive and psychological dimensions of plurilingualism, in Piccardo, E, Germain-Rutherford, A and Lawrence, G (eds) *Handbook of Plurilingual Education*, Routledge, UK.

Dewaele JM, **Bak TH**, Ortega L (in press) Why the mythical “native speaker” has mud on his face. In Slavkov N (ed) *Native Speaker*. De Gruyter-Mouton.

Zhao L, Blankinship B, Duan Z, Huang H, Sun J, **Bak, TH** (2020) Comparing face-to-face and on-line teaching of written versus spoken Chinese to adult learners: an Edinburgh-Sheffield case study. *International Journal of Chinese Language Teaching*, 1 (1), 83-98.

Long MR, Rohde H, Vega-Mendoza M, Sorace A, **Bak TH** (2019) Understudied factors contributing to variability in cognitive performance related to language learning. *Bilingualism: Language and Cognition*. Published on-line, 4 November 2019.

Vega-Mendoza M, Alladi S, **Bak TH** (2019) Dementia and Multilingualism. In “*The Handbook of the Neuroscience of Multilingualism*” J Schwieter (ed). John Wiley & Sons., pp 608-624.

Paplikar A, Mekala S, **Bak TH**, Dharamkar S, Alladi S, Kaul S (2019) Bilingualism and the severity of post-stroke aphasia. *Aphasiology*. 33, 58-72.

Gregory JM, McDade K, **Bak TH**, Pal S, Chandran S, Smith C, Abrahams S (2019) Executive, language and fluency dysfunction are markers of localised TDP-43 cerebral pathology in non-demented ALS. *Journal of Neurology, Neurosurgery & Psychiatry*. Published on-line 12/9/2019.

Gregory JM, Elliot E, McDade K, **T Bak**, Pal S, Chandran S, Abrahams S (2019) Neuronal clusterin expression is associated with cognitive protection in amyotrophic lateral sclerosis. *Neuropathology and applied neurobiology*. Published on-line 12/9/2019.

Cape R, Vega-Mendoza M, **Bak TH**, Sorace A (2018). Cognitive Effects of Gaelic Medium Education on Primary School Children in Scotland. *International Journal of Bilingualism and Bilingual Education*. Published on-line, 29/11/2018.

De Icaza Valenzuela M, **Bak TH**, Pal S Abrahams S (2018) The Edinburgh ALS Screen: Relationship to age, education, IQ and the Addenbrooke's Cognitive Examination III. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, published on-line 29/9/2018.

Foley J, Niven EH, Paget A, Bhatia KP, Farmer SF, Jarman PR, Limousin P, Warner TT, Morris HR, **Bak TH**, Abrahams S, Cipolotti L (2018) Sensitivity and Specificity of the ECAS in Parkinson's Disease and Progressive Supranuclear Palsy. *Parkinson's Disease*, Article ID: 2426012.

Ooi SH, Goh W, Sorace A, **Bak TH** (2018) From bilingualism to bilingualisms: Bilingual experience in Edinburgh and Singapore affects attentional control differently. *Bilingualism: Language and Cognition*, 21 (4): 867-879.

Allegret M, Pereto M, Perez A, Valero S, Espinosa A, Ortega G, Hernandez I, Mauleon A, Rosende-Roca M, Vargas L, Rordiguez-Gomez O, Abdelnour C, Berthier ML, **Bak TH**, Ruiz A, Tarraga L, Boada M (2018) The role of verb fluency in the detection of early cognitive impairment in Alzheimer's Disease. *Journal of Alzheimer's Disease*, published on-line 12/3/2018.

Parra M, Baez M, Allegri F, Nitrini R, Lopera F, Slachevsky A, Custodio N, Lira D, Piguet O, Kumfor F, Huepe D, Cogran P, **Bak T**, Manes F, Ibanez A. (2018) Dementia in Latin America: Assessing the present and envisioning the future. *Neurology*, 90, 1-10.

Crockford CJ, Kleynhans M, Wilton E, Radakovic R, Newton J, Niven EH, Al-Chalabi A, Hardiman O, **Bak TH**, Abrahams S (2018) ECAS ABC: alternate forms of the Edinburgh Cognitive and Behavioural ALS Screen. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 19, 57-64.

Mehmedbegovic D, **Bak TH** (2017) Towards an interdisciplinary lifetime approach to multilingualism: from implicit assumptions to current evidence. *European Journal of Language Policy*, 9.2: 149-167.

Bak TH, Mehmedbegovic D (2017) Healthy linguistic diet: the value of linguistic diversity and language learning. *Journal of Languages, Society and Policy*. Published on-line 21 May 2017.

Ramakrishnan S, Mekala S, Mamidipudi A, Yareeda S, Mridula R, **Bak TH**, Alladi S, Kaul S (2017) Comparative Effects of Education and Bilingualism on the Onset of Mild Cognitive Impairment. *Dement Geriatr Cogn Disord*; 44: 222–231.

Alladi S, **Bak TH**, Shailaja M, Gollahalli DR, Rajan A, Sarampudi B, Vasanta D, Chaudhuri JR, Kaul S (2017) Bilingualism delays the onset of behavioural but not aphasic forms of frontotemporal dementia. *Neuropsychologia*, 99, 207-212.

Bak TH, Robertson I (2017) Biology enters the scene - a new perspective on bilingualism, cognition and dementia. *Neurobiology of Ageing*, 50, iii-iv.

Crutch SJ, Schott JM, Rabinovici GD, Murray M, Snowden JS, van der Flier WM, Dickerson BC, Vandenberghe R, Ahmed S, **Bak TH**, Boeve BF, Butler C, Cappa SF, Ceccaldi M, Cruz de Souza L, Dubois B, Felician O, Galasko D, Graff-Radford J, Graff-Radford NR, Hof PR, Krolak-Salmon P, Lehmann M, Magnin E, Mendez MF, Nestor PJ, Onyike CU, Pelak VS, Pijnenburg Y, Primativo S, Rossor MR, Ryan NS, Scheltens P, Shakespeare TJ, Suárez González A, Tang-Wai DF, Yong K, Carrillo M, Fox NC. (2017) Consensus classification of posterior cortical atrophy. *Alzheimer's and Dementia*, 13, 870-884.

Costa A, **Bak T**, Caffarra P, Caltagirone, C, Ceccaldi M, Collette F, Crutch S, Della Sala S, Démonet JF, Dubois B, Duzel E, Nestor, P, Papageorgiou S, Salmon E, Sikkes S, Tiraboschi P, van der Flier WM, Visser PJ, Cappa S (2017) The need for harmonization and innovation of neuropsychological assessment in neurodegenerative dementias in Europe: consensus document of the Joint Program for Neurodegenerative Diseases Working Group. *Alzheimer's research & therapy*. 9, 27: 1-15.

Bak TH (2016) Language lessons to help protect against dementia. *British Medical Journal*, 354, i5039.

Cox S, **Bak TH**, Allerhand M, Redmond P, Deary I, MacPherson S. Bilingualism, social cognition and executive functions: a tale of chickens and eggs. *Neuropsychologia*. Published on-line 30 August 2016.

Bak TH. Cooking Pasta in La Paz: bilingualism, bias and the replication crisis (2016) *Linguistic Approaches to Bilingualism*. Published on-line 1 July 2016.

Bak TH The impact of bilingualism on cognitive functions across lifespan and in brain diseases (2016). *European Medical Journal, Neurology*. Published on-line 1 July 2016.

Bak TH Why patients with dementia need a motor examination? (2016) *JNNP*, Published on-line 3 June 2016.

De Bruin A, Della Sala S, **Bak TH** (2016) The effects of language use on lexical processing in bilinguals. *Language, cognition and neuroscience*. Published on-line 7 June 2016.

- Bak TH**, Long MR, Vega-Mendoza M, Sorace A. (2016) Novelty, Challenge, and Practice: The Impact of Intensive Language Learning on Attentional Functions. *PLoS One*. Published on-line 27 April 2016
- Retsa C, Naish P, Bekinshtein T, **Bak TH** (2016) Temporal judgements in multi-sensory space. *Neuropsychologia*. Published on-line, 17/2/2016.
- Bak TH** (2016) The impact of bilingualism on cognitive aging and dementia: finding a path through a forest of confounding variables. *Linguistic Approaches to Bilingualism*. Published on-line 25/1/2016.
- Bialystok E, Abutalebi J, **Bak TH**, Burke DM, Kroll JF (2016) Ageing in two languages: Implications for public health. *Ageing Research Reviews*, 27, 56-60.
- Alladi S, **Bak TH**, Mekala S, Rajan A, Chaudhuri JR, Mioshi E, Krovvidi R, Surampudi B, Duggirala V, Kaul S (2016) Impact of Bilingualism on Cognitive Outcome after Stroke. *Stroke*, 47, 258-261.
- Bak TH**, Alladi S (2016) Bilingualism, dementia and the tale of many variables: why we need to move beyond the Western World. *Cortex*. 74, 315-317.
- Elamin M, Holloway G, **Bak TH**, Pal S (2016) Utility of Addenbrooke's Cognitive Screening Version Three (ACE-III) in Early Onset Dementia. *Dementia and geriatric cognitive disorders*. 41, 9-15.
- Elamin M, **Bak TH**, Doherty CP, Pender N, Abrahams S (2016) The Role of Neuropsychology in Neurodegeneration. In "Neurodegenerative Disorders: a Clinical Guide" Hardiman O, Doherty CP, Elamin M, Bede P (eds), Springer, pp. 29-55.
- Elamin M, Omer T, Hutchinson S, Doherty CP, **Bak TH** (2016) Frontotemporal Dementia. In "Neurodegenerative Disorders: a Clinical Guide" Hardiman O, Doherty CP, Elamin M, Bede P (eds), Springer, pp 117-143.
- Vega-Mendoza M, West H, Sorace A, **Bak TH** (2015). The impact of late, non-balanced bilingualism on cognitive performance. *Cognition*. 137, 40-46.
- Bak TH** (2015) Beyond a simple yes or no. *Cortex*. 73, 332-333.
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