

Curriculum vitae

PERSONAL INFORMATION

Name: Univ.-Prof. Dr. Ferdinand Binkofski, M.D, FRSM, FEAN

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Nationality: German

Date of birth: 09-05-1962

URL: <http://www.ccs.rwth-aachen.de/index.php/de/>

Citation report: Sum of times cited: 12226; h-index: 52 (Researcher ID)

Sum of times cited: 20291; h-index: 67 (Google scholar)

EDUCATION

1990 Medical degree, Heinrich-Heine-University Düsseldorf, Germany

1994 MD Heinrich-Heine-University Düsseldorf, Germany

1988 Approval as medical specialist for Neurology, University Clinic of Düsseldorf, Germany

2000 Habilitation at the Medical Faculty of Düsseldorf, Germany

2001 Senior Physician and Leader of the Lübeck part of NeuroImage Nord, University of Lübeck

2004 C3 Professor for Neuroimaging, University of Lübeck, Germany

2010 W3 Professor for Clinical Cognitive Sciences at RWTH-University Clinic Aachen, Germany

CURRENT POSITION

2010 - Present: Director for the Division for Clinical Cognitive Sciences, Board of Directors Brain Imaging Facility, University Hospital RWTH Aachen

CLINICAL PRACTICE

1990 - 2000: Residency in Neurology, University Clinic of Düsseldorf, Germany

2001 - 2010: Senior Physician, Dep. Neurology, University of Lübeck, Germany

2010 – 2016: Head of the outpatient clinic for neuropsychological disorders, University Hospital RWTH Aachen

FELLOWSHIPS AND AWARDS

1993 - 1998 Fellow of the European Science Foundation

1996 Annual Award of the Institute for Advanced Studies, Baden-Baden

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2001 – 2009 University of Lübeck, Department of Neurology, 6 completed PhDs

2010 – now University Hospital RWTH Aachen, Division for Clinical Cognitive Sciences, 6 completed PhDs and 1 Habilitation Thesis

TEACHING ACTIVITIES

1990 – 2001 University Hospital Düsseldorf, Teaching courses in Clinical Neurology, Courses in Neuroimaging

2002 – 2010 University of Lübeck, Education courses in multimodal neuroimaging, Students courses in Cognitive Neurology, teaching courses in Clinical Neurology, focus on

neurodegeneration

2010 – now Courses in Cognitive Neuropsychology, Courses in Neuroimaging

Ten years track-records

10 Publications (impact factor (IF); times cited (TC))_____

1. Choi CH, Iordanishvili E, Shah NJ, Binkofski F. Magnetic resonance spectroscopy with transcranial direct current stimulation to explore the underlying biochemical and physiological mechanism of the human brain: A systematic review. *Hum Brain Mapp.* 2021 Jun 1; 42(8): 2642–2671. Epub 2021 Feb 26. doi: 10.1002/hbm.25388 (IF: 5,038; TC: 4)
2. Worringer B, Langner R, Koch I, Eickhoff SB, Eickhoff CR, Binkofski F. Common and distinct neural correlates of dual-tasking and task-switching: a meta-analytic review and a neuro-cognitive processing model of human multitasking. *Brain Struct Funct.* 2019 Jun;224(5):1845-1869. doi: 10.1007/s00429-019-01870-4. Epub 2019 Apr 29 (IF: 3,622; TC: 32)
3. Patel HJ, Romanzetti S, Pellicano A, Nitsche MA, Reetz K, Binkofski F. Proton Magnetic Resonance Spectroscopy of the motor cortex reveals long term GABA change following anodal Transcranial Direct Current Stimulation. *Sci Rep.* 2019 Feb 26;9(1):2807. doi: 10.1038/s41598-019-39262-7. (IF: 4,525; TC: 35)
4. Horoufchin H, Bzdok D, Buccino G, Borghi AM, Binkofski F. Action and object words are differentially anchored in the sensory motor system - A perspective on cognitive embodiment. *Sci Rep.* 2018 Apr 26;8(1):6583. doi: 10.1038/s41598-018-24475-z. (IF: 4,525; TC: 30)
5. Borghi AM, Binkofski F, Castelfranchi C, Cimatti F, Scorolli C, Tummolini L. The challenge of abstract concepts. *Psychol Bull.* 2017 Mar;143(3):263-292. doi: 10.1037/bul0000089. (IF: 17,737; TC: 304)
6. Sakreida K, Effmert I, Thill S, Menz MM, Jirak D, Eickhoff CR, Ziemke T, Eickhoff SB, Borghi AM, Binkofski F. Affordance processing in segregated parieto-frontal dorsal stream sub-pathways. *Neurosci Biobehav Rev.* 2016 Oct;69:89-112. doi: 10.1016/j.neubiorev.2016.07.032. Epub 2016 Jul 30. (IF: 8,939; TC: 77)
7. Jauch-Chara K*, Binkofski F*, Loebig M, Reetz K, Jahn G, Melchert UH, Schweiger U, Oltmanns KM. Blunted brain energy consumption relates to insula atrophy and impaired glucose tolerance in obesity. *Diabetes.* 2015 Jun;64(6):2082-91. doi: 10.2337/db14-0421. Epub 2015 Jan 9. (*Shared first authorship). (IF: 9,461; TC: 24)
8. Binkofski F, Buxbaum LJ. Two action systems in the human brain. *Brain Lang.* 2013 Nov;127(2):222-9. doi: 10.1016/j.bandl.2012.07.007. Epub 2012 Aug 11 (IF: 2,4; TC: 414)
9. Anders S, Sack B, Pohl A, Münte T, Pramstaller P, Klein C, Binkofski F. Compensatory premotor activity during affective face processing in subclinical carriers of a single mutant Parkin allele. *Brain.* 2012 Apr;135(Pt 4):1128-40. doi:10.1093/brain/aws040. Epub 2012 Mar 20. (IF: 13,501; TC: 60)
10. Binkofski F, Loebig M, Jauch-Chara K, Bergmann S, Melchert UH, Scholand-Engler HG, Schweiger U, Pellerin L, Oltmanns KM. Brain energy consumption induced by electrical stimulation promotes systemic glucose uptake. *Biol Psychiatry.* 2011 Oct 1;70(7):690-5. doi: 10.1016/j.biopsych.2011.05.009. Epub 2011 Jun 24 (IF: 13,382; TC: 68)