

Arno Villringer

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Curriculum vitae

since 2014	Speaker, International Max Planck Research School, NeuroCom
2007-2010	Managing Director, MPI for Human Cognitive and Brain Sciences, Leipzig
since 2007	Director, Department for Neurology, and Professor of Cognitive Neurology (since 2008), University Hospital, Leipzig
since 2007	Director, Mind and Brain Institute, Humboldt University, Berlin and Charité
since 2006	Speaker, Berlin School of Mind and Brain
2002-2007	Coordinator, Berlin Neuroimaging Center (BNIC)
2004-2007	Head, Clinic of Neurology (Benjamin Franklin Hospital), Charité
2001-2008	Board of Directors, German Stroke Society
since 1996	Professor of Neurology, Charité, Humboldt-Universität Berlin
since 1999	Coordinator of Competence Network Stroke
1999-2004	Chief physician, Clinic of Neurology (Virchow Hospital), Charité
1996-2007	Deputy Director, Department of Neurology, Charité (Director: Prof. K. M. Einhäupl)
1993-1999	Consultant, Department Neurology, Charité (Director: Prof. K. M. Einhäupl)
1992	Board Certification in Neurology
1986-1993	Resident, Neurology and Psychiatry (1989), LMU München
1985	Research Fellow, Massachusetts General Hospital, Harvard Medical School, Boston
1984	Medical Thesis ('summa cum laude'), Albert-Ludwigs-Universität, Freiburg
1977-1984	Medical School, Albert-Ludwigs-Universität, Freiburg

Research fields

- Stroke, brain plasticity after focal lesions
- Maladaptive plasticity in the pathogenesis of vascular risk factors
- Brain imaging, Cognitive neurology

Activities in the scientific community, honors, awards

since 2014	Supervisory board member ("Rat") of Humboldt Graduate School
2014	Chair, Local Organizing Committee, Organization for Human Brain Mapping
since 2013	Executive Board, Collaborative Research Center (SFB) Obesity
since 2012	Executive Board, LIFE, Cluster of Excellence
2008	Honorary Professorship for Neurology, Charité, Humboldt-Universität
2005	Pater Leander Fischer Prize of German Laser Society
2002	Winner in national competition for five Neuroimaging Centers in Germany
2001	Chair, Program Committee, Organization for Human Brain Mapping
1999	Winner in national competition for nine national competence networks (as coordinator of nation-wide competence network stroke)

1996	Endowed Professorship ("C3", DFG) as head of clinical research group (New methods for noninvasive functional brain assessment)
1993	Gerhard Hess Prize, German Research Foundation (DFG)
1986	Scholarship, German Research Foundation (DFG)

Selected publications

Schlogl H, Horstmann A, Villringer A, Stumvoll M. Functional neuroimaging in obesity and the potential for development of novel treatments. *Lancet Diabetes Endocrinol.* 2016.

Striem-Amit E, Ovadia-Caro S, Caramazza A, Margulies DS, Villringer A, Amedi A. Functional connectivity of visual cortex in the blind follows retinotopic organization principles. *Brain.* 2015;138(Pt 6):1679-95.

Preusser S, Thiel SD, Rook C, Roggenhofer E, Kosatschek A, Draganski B, Blankenburg F, Driver J, Villringer A, Pleger B. The perception of touch and the ventral somatosensory pathway. *Brain.* 2015;138(Pt 3):540-8.

Nierhaus T, Forschack N, Piper SK, Holtze S, Krause T, Taskin B, Long X, Stelzer J, Margulies DS, Steinbrink J, Villringer A. Imperceptible somatosensory stimulation alters sensorimotor background rhythm and connectivity. *J Neurosci.* 2015;35(15):5917-25.

Schaefer A, Burmann I, Regenthal R, Arelin K, Barth C, Pampel A, Villringer A, Margulies DS, Sacher J. Serotonergic modulation of intrinsic functional connectivity. *Curr Biol.* 2014;24(19):2314-8.

Okon-Singer H, Mehnert J, Hoyer J, Hellrung L, Schaare HL, Dukart J, Villringer A. Neural control of vascular reactions: impact of emotion and attention. *J Neurosci.* 2014;34(12):4251-9.

Macher K, Bohringer A, Villringer A, Pleger B. Cerebellar-parietal connections underpin phonological storage. *J Neurosci.* 2014;34(14):5029-37.

Sehm B, Schnitzler T, Obleser J, Groba A, Ragert P, Villringer A, Obrig H. Facilitation of inferior frontal cortex by transcranial direct current stimulation induces perceptual learning of severely degraded speech. *J Neurosci.* 2013;33(40):15868-78.

Lv Y, Margulies DS, Cameron Craddock R, Long X, Winter B, Gierhake D, Endres M, Villringer K, Fiebach J, Villringer A. Identifying the perfusion deficit in acute stroke with resting-state functional magnetic resonance imaging. *Ann Neurol.* 2013;73(1):136-40.

Fritz TH, Hardikar S, Demoucron M, Niessen M, Demey M, Giot O, Li Y, Haynes JD, Villringer A, Leman M. Musical agency reduces perceived exertion during strenuous physical performance. *Proceedings of the National Academy of Sciences of the United States of America.* 2013;110(44):17784-9.