

Curriculum vitae

Personal data

Name: Christian Beste
Date of birth: 15.03.1981

School and University Education

1987-1991	Primary School
1991-2000	Hellweg-Gymnasium Bochum (A-level Exam)
October 2001 till March 2006	Study of Psychology at the Ruhr-Universität Bochum (Dipl.-Psych.)
August 2007	(PhD) Dr. rer. nat. at the Ruhr-Universität Bochum (magna cum laude) (Prof. Dr. Drs. h.c. Güntürkün, Prof. Dr. Falkenstein)
Juli 2012	Habilitation („2nd PhD“) in „Cognitive Neuroscience“

Scientific Career

April 2006 till August 2007	PhD Student (Leibniz Research Centre for Working Environment and Human Factors, Department of Neurology Ruhr-Universität Bochum) (Prof. Dr. Gold, Prof. Dr. Falkenstein)
August 2007 till Februar 2008	Post-Doc Institute for Clinical Radiology Universität Münster (Prof. Dr. Dr. Pfeleiderer)
March 2008 till January 2009	Post-Doctor Leibniz Research Centre for Working Environment and Human Factors, Aging and CNS diseases (Prof. Dr. Falkenstein)
February 2009 till March 2010	Post-Doc at the Institute for Cognitive Neuroscience, Biopsychology Unit, Ruhr Universität Bochum (Prof. Dr. Drs h.c. Güntürkün)
April 2010 till January 2011	Post-Doc (research visit) at the MRC Cognition and Brain Science Unit, Cambridge UK (Prof. Dr. John Duncan, FRS)
February 2011 till January 2012	Post-Doc at the Institute for Cognitive Neuroscience, Biopsychology Unit, Ruhr Universität Bochum (Prof. Dr. Drs h.c. Güntürkün)
February 2012 till September 2013	Head of the Emmy Noether Research Group „Neuronal mechanisms of action control“
since October 2013	Professor for Cognitive Neurophysiology, TU Dresden, Universitätsklinikum Carl Gustav Carus,
since March 2020	Guest Scientist, Faculty of Psychology, Shandong Normal University, Jinan, PR China
since Mai 2021	Director of the “University Neuropsychology Center (UNC)”, Faculty of Medicine, TU Dresden

Occupation outside science

2000-2001	Civil service

Scientific honors

Scholarship in the „Vigoni-Programm“ (DAAD) (2003)

Several papers selected by the Faculty of 1000

Young Scientist Award from the Deutschen Gesellschaft für psycho-physiologische Methodik und ihre Anwendung (DGPA) (2009)

DFG Emmy Noether Program awardee (2012)

Further academic activities

Reviewer for Scientific Organizations (selection):

DFG, DAAD, NWO, Prinzess Beatrix Fund Netherlands, FWF, SNF, MRC, ERC

Reviewer for Journals (selection):

Archives of General Psychiatry, Biological Psychiatry, Brain, Cerebral Cortex, Cortex, Current Biology, Lancet Neurology, Nature Communications, Neuroimage, Neurology, Trends in Cognitive Science

Ten most important publications

Kleimaker M, Takacs A, Conte G, Onken R, Verrel J, Bäumer T, Münchau A, **Beste C**. Increased perception-action binding in Tourette Syndrome. *Brain* 2020;143:1934-1945.

Beste C, Moll CKE, Pötter-Nerger M, Münchau A. Striatal microstructure and its relevance for cognitive control. *Trends Cogn Sci* 2018;22:747-751.

Beste C, Mückschel M, Rosales R, Domingo A, Lee L, Ng A, Klein C, Münchau A. The basal ganglia striosomes affect the modulation of conflicts by subliminal information – evidence from X-linked Dystonia Parkinsonism. *Cereb Cortex* 2018;28:2243-2252.

Ocklenburg S, Friedrich P, Fraenz C, Schlüter C, **Beste C**, Güntürkün O, Genc E. Neurite architecture of the planum temporale predicts neurophysiological processing of auditory speech. *Sci Adv* 2018;4:eaar6830

Dippel G, Mückschel M, Ziemssen T, **Beste C**. Demands on response inhibition processes determine modulations of theta band activity in superior frontal areas and correlations with pupillometry – implications for the norepinephrine system during inhibitory control. *Neuroimage* 2017;157:575-585.

Dharmadhikari S, Ma R, Yeh CL, Stock AK, Snyder S, Zauber SE, Dydak U, **Beste C**. Striatal and thalamic GABA level concentrations play differential roles for the modulation of response selection processes by proprioceptive information. *Neuroimage* 2015;120:36-42.

Dippel G, **Beste C**. A causal role of the right inferior frontal cortex in implementing strategies for multi-component behavior. *Nat Commun* 2015;6:6587.

Beste C, Dinse HR. Learning without training. *Curr Biol*, 2013;23:R489-499.

Beste C, Wascher E, Dinse HR, Saft C. Faster perceptual learning through excitotoxic neurodegeneration. *Curr Biol* 2012;22:1914-1917.

Beste C, Wascher E, Güntürkün, O., Dinse HR. Improvement and impairment of visually guided behavior through LTP- and LTD-like exposure based visual learning. *Curr Biol*, 2011;21:876-882.
