Curriculum vitae

Personal data

Name: Tobias Bäumer
Date of birth: 23.07.1969

School and University Education

1975 till 1979	Primary School Senden/Westfalen
1979 till 1988	Friedensschule Münster (A-level Exam)
1990 till 1996	Study of Medicine at the Westfälische Wilhelms-Universität Münster; Final result: 1.7
1998	Medical thesis in the Dept. of Surgery at the University of Münster (cum laude); Prof. Dr. Senninger
2010	Habilitation in Neurology, University of Hamburg
2016	Professor for Neurology, University of Lübeck

Scientific Career

1996 till 2005	Training in Clinical Neurology in the Neurology Department of the University Medical Centre Hamburg-Eppendorf
2002 till 2013	Research Fellow in the Movement Disorder Research Group of the aforementioned Department
2010 till 2013	Head of the Neurophysiology Laboratory in the Movement Disorder Research Group of the aforementioned Department
2006 till 2013	Consultant Neurologist Head of the Clinical Neurophysiology Department of the aforementioned Department
2010 till 2013	Consultant Neurologist Head of the Outpatient Department of the aforementioned Department
2013 till 2020	Head of the Experimental Neurophysiology Section; Paediatric and Adult Movement Disorders and Neuropsychiatry Department in the Institute of Neurogenetics, University of Lübeck
Since 2020	Deputy Director of the “Institute of Systems Motor Science” and the Section “Zentrum für Seltene Erkrankungen (Center of rare diseases)”, University Hospital Schleswig Holstein, Campus Lübeck and University of Lübeck

Occupation outside science

1988-1990	Civil Service at the Lebenshilfe Senden e.V.

Further academic activities

Peer Reviews for Journal of Neuroscience, Journal of Neurology Neurosurgery and Psychiatry, NeuroImage, Movement Disorders, Clinical Neurophysiology, European Journal of Neurology, Experimental Brain Research, Brain Stimulation

Board member of the Working Group Centres for Rare Diseases.

Board member of the Botulinum Toxin Working Group of the German Neurological Society.

Ten most relevant publications

Loens S, Verrel J, Herrmann V M, Kienzle A, Tzvi E, Weissbach A, Junker J, Münchau A and **Bäumer T**. Motor learning deficits in cervical dystonia point to defective basal ganglia circuitry. Sci Rep 2021;11:7332.

Friedrich J, Spaleck H, Schappert R, Kleimaker M, Verrel J, **Bäumer T**, Beste C and Münchau A. Somatosensory perception-action binding in Tourette syndrome. Sci Rep 2021;11:13388

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

Friedrich J, Verrel J, Kleimaker M, Münchau A, Beste C and **Bäumer T**. Neurophysiological correlates of perception-action binding in the somatosensory system. Sci Rep 2020;10:14794.

Tubing J, Gigla B, Brandt V C, Verrel J, Weissbach A, Beste C, Münchau A and **Bäumer T**. Associative plasticity in supplementary motor area - motor cortex pathways in Tourette syndrome. Sci Rep 2018;8:11984.

Weissbach A, Werner E, Bally J F, Tunc S, Lons S, Timmann D, Zeuner K E, Tadic V, Bruggemann N, Lang A, Klein C, Münchau A and **Bäumer T**. Alcohol improves cerebellar learning deficit in myoclonus-dystonia: A clinical and electrophysiological investigation. Ann Neurol 2017;82:543-553.

Brandt V C, Patalay P, **Bäumer T**, Brass M and Münchau A. Tics as a model of over-learned behavior-imitation and inhibition of facial tics. Mov Disord 2016;31:1155-62.

Bäumer T, Schmidt A, Heldmann M, Landwehr M, Simmer A, Tonniges D, Munte T, Lohmann K, Altenmuller E, Klein C and Münchau A. Abnormal interhemispheric inhibition in musician's dystonia - Trait or state? Parkinsonism Relat Disord 2016;25:33-8.

Weissbach A, **Bäumer T**, Bruggemann N, Tadic V, Zittel S, Cheng B, Thomalla G, Klein C, Münchau A. Premotor-motor excitability is altered in dopa-responsive dystonia. Mov Disord 2015;30:1705-9.

Bäumer T, Bock F, Koch G, Lange R, Rothwell J C, Siebner H R and Münchau A. Magnetic stimulation of human premotor or motor cortex produces interhemispheric facilitation through distinct pathways. J Physiol 2006;572:857-68.