

# Curriculum vitae

## Personal data

Name: Alexander Münchau  
Date of birth: 10.06.1966

## School and University Education

1971 till 1976	Primary School Meckenheim
1976 till 1985	Klaus-Groth-Schule Neumünster (A-level-Exam)
1987 till 1993	Study of Medicine at the Freie Universität Berlin and the University of Hamburg
1995	Medical thesis in the Dept. of Neuropathology at the University Medical Center Hamburg (magna cum laude) (Prof. Dr. mult. Stavrou)
2002	Habilitation in Neurology, University of Hamburg
2008	Associate Professor in Neurology

## Scientific Career

1994 till 1998	Training in Clinical Neurology in the Dept. of Neurology of St. Georg Hospital, Hamburg
1998 till 2001	Research Fellow at the National Hospital for Neurology and Neurosurgery and the Institute of Neurology, Queen Square, London, UK
2001 till 2002	Registrar in the Neurology Dept. of the University Medical Centre Hamburg-Eppendorf; Head of Movement Disorder Research Group
2003 till 2013	Consultant Neurologist in the Neurology Dept. of the University Medical Centre Hamburg-Eppendorf; Head of Movement Disorder Research Group
2006 till 2013	Deputy Head of the Neurology Dept. of the University Medical Centre Hamburg-Eppendorf
2013 till 2020	Head of the Department of Pediatric and Adult Movement Disorders and Neuropsychiatry in the Institute of Neurogenetics, University of Lübeck
since 2013	Speaker of the Lübeck Center for Rare Diseases
since 2020	Director of the Institute of Systems Motor Science, University of Lübeck

## Occupation outside science

1985 till 1987	Civil Service in the Evangelisches Krankenhaus der Alsterdorfer Anstalten in Hamburg
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## Scientific honors

Head of the Habilitationsausschuss of the University of Lübeck (2015-2020)

Member of the Scientific Advisory Board of the Tourette Gesellschaft Deutschland and the *ACHSE* (Allianz Chronischer Seltener Erkrankungen)

## Further academic activities

Reviewer for Scientific Organizations (selection):

DFG, BMBF, Studienstiftung des Deutschen Volkes, Universität zu Lübeck, Hebrew University of Jerusalem, University of Copenhagen, Hertie-Institut für Hirnforschung

Reviewer for Journals (selection):

Annals of Neurology, Brain, Cerebral Cortex, Current Biology, Lancet Neurology, Lancet Psychiatry, Neuroscience Research, Movement Disorders

## Ten most relevant 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, 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.

Thomalla G, Jonas M, Bäumer T, Siebner HR, Biermann-Ruben K, Ganos C, Orth M, Hummel FC, Gerloff C, Müller-Vahl K, Schnitzler A, **Münchau A** Cost of control – decreased motor cortex engagement during a Go/NoGo task in Tourette syndrome. *Brain* 2014;137:122-136.

Finis J, Moczydlowski A, Pollok B, Biermann-Ruben K, Thomalla G, Heil M, Krause H, Robertson MM, Orth M, Jonas M, Schnitzler A, **Münchau A**. Echoes from childhood – imitation in Gilles de la Tourette syndrome. *Mov Disord* 2012;27:562-5.

Paszek J, Pollok B, Biermann-Ruben K, Müller-Vahl K, Roessner V, Thomalla G, Robertson MM, Orth M, Schnitzler A, **Münchau A**. Is it a tic? – twenty seconds to make a diagnosis. *Mov Disord* 2010;25:1106-1108.

Thomalla G, Siebner HR, Jonas M, Bäumer T, Biermann-Ruben K, Hummel F, Gerloff C, Müller-Vahl K, Schnitzler A, Orth M, **Münchau A**. Structural changes in the somatosensory system correlates with tic severity in Gilles de la Tourette syndrome. *Brain* 2009;132:765-777.

Bäumer T, Pramstaller PP, Schippling S, Hagenah J, Peller M, Siebner HR, Gerloff C, Klein C, **Münchau A**. Sensorimotor integration is abnormal in asymptomatic Parkin mutation carriers – a TMS study. *Neurology* 2007;69:1976-1981.

Buhmann C, Gorsler A, Bäumer T, Hidding U, Demiralay C, Hinkelmann K, Weiller C, Siebner HR, **Münchau A**. Abnormal plasticity of premotor-to-motor connections in de novo Parkinson's disease. *Brain* 2004;127:2732-2746.

Bäumer T, Lange R, Liepert J, Weiller C, Siebner H, Rothwell JC, **Münchau A** Repeated premotor rTMS leads to cumulative plastic changes of motor cortex excitability in humans. *NeuroImage* 2003;20:550-60.

**Münchau A**, Bloem BR, Irlbacher K, Trimble MR, Rothwell JC. Functional connectivity of human premotor and motor cortex explored with repetitive transcranial magnetic stimulation. *J Neurosci* 2002;22:554-61.

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