

# CURRICULUM VITAE

Morten Blaabjerg, Associate professor, MD, Ph.D.



## Education:

Ph.D. (Neurobiology): November 2003., Anatomy and Neurobiology, University of Southern Denmark (SDU)

MD: January 2006. SDU, Odense, Denmark

Research Management Course, Copenhagen Business School, Denmark (2016-2017)

Specialist Course in Movement Disorders, Scandinavian Movement Disorder Society

## Positions:

### *Current:*

Consultant (Neurology): Dept. of Neurology, Odense University Hospital (OUH), Denmark

Associate professor: Dept. of Clinical Research, University of Southern Denmark, From February 2015-

### *Former:*

Consultant: Dept of Neurology, Zealand University Hospital (ZUH), Denmark, From September 2016-September 2017

Consultant: Dept of Neurology, Odense University Hospital (OUH). August 2015-august 2016

Staff Neurologist: Dept of Neurology, Odense University Hospital. December 2013-august 2015

Clinical associate professor: Inst of Clinical Research, University of Southern Denmark. October 2010-2014

Residency: Dept of Neurology, Odense University Hospital. September 2008-December 2013

Internship: Medicine, Surgery and GP. March 2007-August 2008.

Assistant professor: Anatomy and Neurobiology, SDU, Odense. March 2006-February 2007.

Research scholar: Anatomy and Neurobiology, SDU, Odense. April 2003-February 2006,

Ph.D. scholar: Anatomy and Neurobiology, SDU, Odense. September 2000-Marts 2003.

## Research abroad:

University of California, Irvine / Long Beach VA-Medical Center

Dates: 21/8-01 til 9/11-01; 8/11-02 til 29/11-02 og 1/7-03 til 30/7-03

## Memberships and administrative positions

Member of European Academy of Neurology Scientific Panel, Translational Neurology.

Member of Educational board, Danish Neurological Society: From Januar 2011-

Member of board in Danish Society for Movement Disorders: From May 2015-

Administrator of national guidelines in movement disorders and dementia

## Supervision:

Supervisor or co-supervisor on 11 undergraduate and 2 PhD projects

## Publications:

41 Peer-reviewed publications, and 2 book chapters.

<https://www.ncbi.nlm.nih.gov/pubmed/?term=blaabjerg+M>

**Blaabjerg M**, Hemdrup AL, Drici L, Ruprecht K, Garred P, Höftberger R, Kristensen BW, Kondziella D, Sejbaek T, Hansen S, Nielsen HH, Jensen P, Meyer M, Paul F, Lassmann H, Larsen MR, Illes Z., Omics-based approach reveals complement-mediated inflammation in CLIPPERS. *Front. Immunol.* 2018 (*In PRESS*)

Sejbaek T, **Blaabjerg M**, Sprogøe P, Ravnborg M. Reliability and Validity of a Danish Version of the Multiple Sclerosis Neuropsychological Screening Questionnaire. *Int J MS Care.* 2018 Jan-Feb; 20(1):49-54. doi: 10.7224/1537-2073.2017-011.

Gaist D, Hougaard A, Garde E, Reislev NL, Wiwie R, Iversen P, Madsen CG, **Blaabjerg M**, Nielsen HH, Krøigård T, Østergaard K, Kyvik KO, Hjelmberg J, Madsen K, Siebner HR, Ashina M. Migraine with visual aura associated with thicker visual cortex. *Brain.* 2018 Jan 18. doi: 10.1093/brain/awx382.

Dreyer-Andersen N, Almeida AS, Jensen P, Kamand M, Okarmus J, Rosenberg T, Friis SD, Martínez Serrano A, **Blaabjerg M**, Kristensen BW, Skrydstrup T, Gramsbergen JB, Vieira HLA, Meyer M. Intermittent, low dose carbon monoxide exposure enhances survival and dopaminergic differentiation of human neural stem cells. *PLoS One.* 2018 Jan 16;13(1):e0191207. doi: 10.1371/journal.pone.0191207. eCollection 2018.

Thompson J, Bi M, Murchison AG, Makuch M, Bien CG, Chu K, Farooque P, Gelfand JM, Geschwind MD, Hirsch LJ, Somerville E, Lang B, Vincent A, Leite MI, Waters P, Irani SR; **Facio-brachial Dystonic Seizures Study Group**. The importance of early immunotherapy in patients with facio-brachial dystonic seizures. *Brain.* 2018 Feb 1;141(2):348-356. doi: 10.1093/brain/awx323

Maas AIR, Menon DK, Adelson PD, Andelic N, Bell MJ, Belli A, Bragge P, Brazinova A, Büki A, Chesnut RM, Citerio G, Coburn M, Cooper DJ, Crowder AT, Czeiter E, Czosnyka M, Diaz-Arrastia R, Dreier JP, Duhaime AC, Ercole A, van Essen TA, Feigin VL, Gao G, Giacino J, Gonzalez-Lara LE, Gruen RL, Gupta D, Hartings JA, Hill S, Jiang JY, Ketharanathan N, Kompanje EJO, Lanyon L, Laureys S, Lecky F, Levin H, Lingsma HF, Maegele M, Majdan M, Manley G, Marsteller J, Mascia L, McFadyen C, Mondello S, Newcombe V, Palotie A, Parizel PM, Peul W, Piercy J, Polinder S, Puybasset L, Rasmussen TE, Rossaint R, Smielewski P, Söderberg J, Stanworth SJ, Stein MB, von Steinbüchel N, Stewart W, Steyerberg EW, Stocchetti N, Synnot A, Te Ao B, Tenovuo O, Theadom A, Tibboel D, Videtta W, Wang KKW, Williams WH, Wilson L, Yaffe K; **InTBIR Participants and Investigators**. Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. *Lancet Neurol.* 2017 Dec;16(12):987-1048. doi: 10.1016/S1474-4422(17)30371-X. Epub 2017 Nov 6. Review.

Illes Z, **Blaabjerg M**. Cerebrospinal fluid findings in Guillain-Barré syndrome and chronic inflammatory demyelinating polyneuropathies. *Handb Clin Neurol.* 2017;146:125-138. doi: 10.1016/B978-0-12-804279-3.00009-5.

Oervik MS, Sejbaek T, Penner IK, Roar M, **Blaabjerg M**. Validation of the fatigue scale for motor and cognitive functions in a danish multiple sclerosis cohort. *Mult Scler Relat Disord.* 2017 Oct; 17:130-134. doi:10.1016/j.msard.2017.07.017. Epub 2017 Jul 17.

Dindler A, **Blaabjerg M**, Kamand M, Bogetofte H, Meyer M. Activation of Group II Metabotropic Glutamate Receptors Increases Proliferation but does not Influence Neuronal Differentiation of a Human Neural Stem Cell Line. *Basic Clin Pharmacol Toxicol.* 2018 Apr;122(4):367-372. doi: 10.1111/bcpt.12920. Epub 2017 Nov 21.

Crossen MC, Huijben JA, van der Jagt M, Volovici V, van Essen T, Polinder S, Nelson D, Ercole A, Stocchetti N, Citerio G, Peul WC, Maas AIR, Menon D, Steyerberg EW, Lingsma HF; **CENTER-TBI investigators**. Variation in monitoring and treatment policies for intracranial hypertension in

traumatic brain injury: a survey in 66 neurotrauma centers participating in the **CENTER-TBI study**. *Crit Care*. 2017 Sep 6;21(1):233. doi: 10.1186/s13054-017-1816-9.

Nissen M, **Blaabjerg M**. [Autoimmune encephalitis presenting with drug-resistant status epilepticus]. *Ugeskr Laeger*. 2017 Jul 24;179(30). pii:V03170205. Danish.

Havelund JF, Andersen AD, Binzer M, **Blaabjerg M**, Heegaard NHH, Stenager E, Faergeman NJ, Gramsbergen JB. Changes in kynurenine pathway metabolism in Parkinson patients with L-DOPA-induced dyskinesia. *J Neurochem*. 2017 Sep;142(5):756-766. doi: 10.1111/jnc.14104. Epub 2017 Jul 11.

Celicanin M, **Blaabjerg M**, Maersk-Møller C, Beniczky S, Marner L, Thomsen C, Bach FW, Kondziella D, Andersen H, Somnier F, Illes Z, Pinborg LH. Autoimmune encephalitis associated with voltage-gated potassium channels-complex and leucine-rich glioma-inactivated 1 antibodies - a national cohort study. *Eur J Neurol*. 2017 Aug;24(8):999-1005. doi: 10.1111/ene.13324. Epub 2017 May 25.

Szots M, **Blaabjerg M**, Orsi G, Iversen P, Kondziella D, Madsen CG, Garde E, Magnusson PO, Barsi P, Nagy F, Siebner HR, Illes Z. Global brain atrophy and metabolic dysfunction in LGI1 encephalitis: A prospective multimodal MRI study. *J Neurol Sci*. 2017 May 15;376:159-165. doi: 10.1016/j.jns.2017.03.020. Epub 2017 Mar 16.

Andersen AD, **Blaabjerg M**, Binzer M, Kamal A, Thagesen H, Kjaer TW, Stenager E, Gramsbergen JBP. Cerebrospinal fluid levels of catecholamines and its metabolites in Parkinson's disease: effect of L-DOPA treatment and changes in levodopa-induced dyskinesia. *J Neurochem*. 2017 May; 141(4):614-625. doi: 10.1111/jnc.13997. Epub 2017 Mar 30.

Szóts M, **Blaabjerg M**, Kondziella D, Herceg M, Diószeghy P, Bajzik G, Berki T, Kálmán E, Nagy F, Illés Z. Four cases of GABAB receptor encephalitis. *Ideggyogy Sz*. 2016 Jul 30;69(7-8):281-287. doi: 10.18071/isz.69.0281.

Locht LJ, **Blaabjerg M**. [Bickerstaff brainstem encephalitis after upper respiratory infection]. *Ugeskr Laeger*. 2016 Jul 4;178(27). pii: V03160165. Danish.

Gaist D, Garde E, **Blaabjerg M**, Nielsen HH, Krøigård T, Østergaard K, Møller HS, Hjelmborg J, Madsen CG, Iversen P, Kyvik KO, Siebner HR, Ashina M. Migraine with aura and risk of silent brain infarcts and white matter hyperintensities: an MRI study. *Brain*. 2016 Jul;139(Pt 7):2015-23. doi: 10.1093/brain/aww099. Epub 2016 May 2. PubMed PMID: 27190013;

**Blaabjerg M**, Ruprecht K, Sinnecker T, Kondziella D, Niendorf T, Kerrn-Jespersen BM, Lindelof M, Lassmann H, Kristensen BW, Paul F, Illes Z. Widespread inflammation in CLIPPERS syndrome indicated by autopsy and ultra-high-field 7T MRI. *Neurol Neuroimmunol Neuroinflamm*. 2016 Apr 20;3(3):e226. doi: 10.1212/NXI.0000000000000226. eCollection 2016 Jun.

**Blaabjerg M**, Mærsk-Møller CC, Kondziella D, Somnier F, Celicanin M, Andersen H, Bach FW, Pinborg LH. [Workup and treatment of autoimmune encephalitis]. *Ugeskr Laeger*. 2015 Nov 2;177(45):V05150448. Review. Danish.

Nilsson AC, **Blaabjerg M**. More evidence of a neurocardiac prodrome in anti-LGI1 encephalitis. *J Neurol Sci*. 2015 Oct 15;357(1-2):310-1. doi: 10.1016/j.jns.2015.07.015. Epub 2015 Jul 15.

Theódórsdóttir A, **Blaabjerg M**, Falah M. [Natalizumab can induce progressive multifocal leucoencephalopathy]. *Ugeskr Laeger*. 2014 Aug 25;176(35). pii:V03140165. Danish.

Erichsen JL, **Blaabjerg M**, Bogetofte H, Serrano AM, Meyer M. Group I metabotropic glutamate receptors: a potential target for regulation of proliferation and differentiation of an immortalized human neural stem cell line. *Basic Clin Pharmacol Toxicol*. 2015 Apr;116(4):329-36. doi: 10.1111/bcpt.12324. Epub 2014 Oct 13.

Sodemann U, Møller HS, **Blaabjerg M**, Beier CP. Successful treatment of refractory absence status epilepticus with lacosamide. *J Neurol*. 2014 Oct;261(10):2025-7. doi: 10.1007/s00415-014-7487-4. Epub 2014 Sep 9.

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**Blaabjerg M**, Marjanovic D. [Cerebrotendinous xanthomatosis is a rare disorder, which requires a specific treatment]. *Ugeskr Laeger*. 2013 Jan 28;175(5):285-6. Danish.

Tanvig M, **Blaabjerg M**, Andersen RK, Villa A, Rosager AM, Poulsen FR, Martinez-Serrano A, Zimmer J, Meyer M. A brain slice culture model for studies of endogenous and exogenous precursor cell migration in the rostral migratory stream. *Brain Res*. 2009 Oct 27;1295:1-12. doi: 10.1016/j.brainres.2009.07.075. Epub 2009 Jul 30.

**Blaabjerg M**, Zimmer J. The dentate mossy fibers: structural organization, development and plasticity. *Prog Brain Res*. 2007;163:85-107. Review.

Andersen RK, Johansen M, **Blaabjerg M**, Zimmer J, Meyer M. Neural tissue-spheres: a microexplant culture method for propagation of precursor cells from the rat forebrain subventricular zone. *J Neurosci Methods*. 2007 Sep 15;165(1):55-63. Epub 2007 May 24.

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Jensen P, Bauer M, Jensen CH, Widmer HR, Gramsbergen JB, **Blaabjerg M**, Zimmer J, Meyer M. Expansion and characterization of ventral mesencephalic precursor cells: effect of mitogens and investigation of FA1 as a potential dopaminergic marker. *J Neurosci Res*. 2007 Jul;85(9):1884-93.

Noraberg J, Poulsen FR, **Blaabjerg M**, Kristensen BW, Bonde C, Montero M, Meyer M, Gramsbergen JB, Zimmer J. Organotypic hippocampal slice cultures for studies of brain damage, neuroprotection and neurorepair. *Curr Drug Targets CNS Neurol Disord*. 2005 Aug;4(4):435-52. Review.

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**Blaabjerg M**, Baskys A, Zimmer J, Vawter MP. Changes in hippocampal gene expression after neuroprotective activation of group I metabotropic glutamate receptors. *Brain Res Mol Brain Res*. 2003 Oct 7;117(2):196-205.

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**Blaabjerg M**, Kristensen BW, Bonde C, Zimmer J. The metabotropic glutamate receptor agonist 1S,3R-ACPD stimulates and modulates NMDA receptor mediated excitotoxicity in organotypic hippocampal slice cultures. *Brain Res*. 2001 Apr 13;898(1):91-104.

Bonde C, Kristensen BW, **Blaabjerg M**, Johansen TE, Zimmer J, Meyer M. GDNF and neublastin protect against NMDA-induced excitotoxicity in hippocampal slice cultures. *Neuroreport*. 2000 Dec 18;11(18):4069-73.