

Tomasz Przemysław BRUDEK – *CURRICULUM VITAE*

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Research Laboratory for Stereology and Neuroscience Bispebjerg-Frederiksberg Hospital Copenhagen, Denmark. Phone.: 35 31 64 21 Fax.: 35 31 64 34 forsklab@bbh.regionh.dk e-mail address: tomasz.brudek@regionh.dk tomasz.brudek@gmail.com	Tagensvej 114B, 4.tv 2200 Copenhagen N Denmark Mobile: + 45 61 71 78 06	<i>Date of birth:</i> 12.06.1978 <i>Place of birth:</i> Sosnowiec, Poland
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Education:	3 years (2004-2007) – University of Aarhus, Aarhus, Denmark. The PhD degree in Medicine. 5 years (1997 – 2002) –University of Silesia, Katowice, Poland Department of Biology and Environmental Protection, Faculty of Biochemistry, Specialization: Biotechnology of Microorganisms and Plants The M.Sc. project was performed at Aarhus University, Department of Medical Microbiology and Immunol November 2002 graduated with highest marks as a Master of Science (M.Sc.)	
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Professional experience:	April 2010 – Present, Senior Researcher at the Research Laboratory for Stereology and Neuroscience, Bispebjerg-Frederiksberg Hospital, Copenhagen, Denmark May 2012 – Present, Affiliated Adjunct Faculty Member, The Lieber Institute for Brain Development, Johns Hopkins Medical Campus, Baltimore Maryland, USA October 2007 – January 2010, Post.Doc at the Department of Medical Microbiology and Immunology, Aarhus University. Project title: “Detection of Activated Human Endogenous Retroviruses Associated with Multiple Sclerosis” January 2004 – June 2007 PhD student at the Department of Medical Microbiology and Immunology, Aarhus University. PhD project: <i>The possible role of human endogenous retroviruses and herpesviruses in the pathogenesis of multiple sclerosis.</i> November 2002 – December 2003 employed as guest researcher at the Department of Medical Microbiology and Immunology, Aarhus University. July 2001 – October 2002 working on the MSc project: <i>Cell mediated immune responses towards endogenous retrovirus HERV-H and herpes virus antigens in multiple sclerosis.</i> Aarhus University, Department of Medical Microbiology and Immunology September 2000 – June 2001 at the Department of Molecular Biology and the Department of Medical Microbiology and Immunology, Aarhus University, Denmark as an exchange student, EU Socrates-Erasmus Programme.	
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Conferences, congresses, scientific meetings:	October 2012: Society for Neuroscience, 41 th Annual Meeting June 2012: Danish Brain Research Laboratories Meeting, 12 th Annual OAK Meeting Odense June 2011: Danish Brain Research Laboratories Meeting, 11 th Annual OAK Meeting Aarhus November 2010: Society for Neuroscience, 40 th Annual Meeting June 2010: Danish Brain Research Laboratories Meeting, 10 th Annual OAK Meeting Copenhagen September 2008: Participation in World Congress on Treatment and Research in Multiple Sclerosis, the first joint Congress of ACTRIMS (Americas Committee on Treatment and Research in MS), ECTRIMS and LACTRIMS (Latin America Committee on Treatment and Research in MS) in Montreal, Quebec, Canada September 2006: Participation in “Workshop for Endogenous Retrovirus and Retroelements”, Mystic, CT, USA. September 2005: Invited as a guest speaker to the 6th European School of Neuroimmunology, Thessaloniki, Greece June 2004: Participation in The 35th Annual Meeting and the 20th Summer school of the Scandinavian Society for Immunology August 2003: Participation in Summer School in Immunology, “Translational medicine in the field of autoimmunity”; Karolinska Institute, Stockholm, Sweden.	

Other academic activities:	Supervisor for PhD and MSc students Teaching in laboratory course for medical students (Medical Microbiology and Immunology, Virology) Supervising medical research students Scandinavian Journal of Immunology; Retrovirology – reviewer ad-hoc External reviewer for the Italian Multiple Sclerosis Foundation Genome Canada – external reviewer. Teacher at European School of Neuroimmunology Course
Professional Affiliations:	Danish Immunological Society Society for Neuroscience International Parkinson and Movement Disorder Society

TOMASZ BRUDEK - Publication list**Original articles: 16****Books: 1****Sum of the Times Cited>150; Average Citations per Item: 12.7; H-index=9**

- Peer-review publications** Russ K, Flores J, **Brudek T**, Doudet D. Neonatal Human Retinal Pigment Epithelial Cells Secrete Limited Trophic Factors in Vitro and in Vivo Following Striatal Implantation in Parkinsonian Rats. *Journal of Neural Transmission* 2015 Nov 6, *Epub ahead of print*
- Brudek T**, Winge K, Bredo Rasmussen N, Czarna Bahl JM, Tanassi J, Klitmøller Agander T, Hyde TM, Pakkenberg B. Alpha-Synuclein, Parkin, and Synphilin-1 Isoform Expression in Multiple System Atrophy Brains. *J Neurochem. - J Neurochem.* 2016 Jan;136(1):172-185. Epub 2015 Nov
- Salvesen L, Winge K, Brudek T, Agander TK, Løkkegaard A, Pakkenberg B. Neocortical Neuronal Loss in Patients with Multiple System Atrophy: A Stereological Study. *Cerebral Cortex* 2015 Oct 13, *Epub ahead of print*
- Salvesen L, Ullerup BH, Sunay FB, **Brudek T**, Løkkegaard A, Agander TK, Winge K, Pakkenberg B. Changes in total cell numbers of the basal ganglia in patients with multiple system atrophy - A stereological study. *Neurobiol Dis. Neurobiol Dis.* 2015 Feb;74:104-13
- Vlassaks E, **Brudek T**, Pakkenberg B, Gavilanes AW. Cerebellar cytokine expression in a rat model for fetal asphyctic preconditioning and perinatal asphyxia. *Cerebellum.* 2014 Aug;13(4):471-8
- Møller-Larsen A, Brudek T, Petersen T, Petersen E, Aagaard M, Hansen D, Christensen T. Flow Cytometric Assay Detecting Cytotoxicity against Human Endogenous Retrovirus Antigens Expressed on Cultured Multiple Sclerosis Cells. *Clin Exp Immunol.* 2013 Sep;173(3):398-410.
- Brudek T**, Winge K, Klitmøller Agander T, Pakkenberg B. Screening of Toll-Like Receptors Expression in Multiple System Atrophy Brains *Neurochem Res.* 2013 Jun;38(6):1252-9
- Laska MJ, **Brudek T**, Nissen KK, Christensen T, Anne Møller-Larsen A, Petersen T, Nexø BA. Expression of HERV-Fc1, a human endogenous retrovirus, is increased in patients with active Multiple Sclerosis. *J Virol.* 2012 Apr;86(7):3713-22
- Nexø BA, Christensen T, Frederiksen J, Møller-Larsen A, Oturai AB, Villesen P, Hansen B, Nissen KK, Laska MJ, Petersen TS, Bonnesen S, Hedemand A, Wu T, Wang X, Zhang X, **Brudek T**, Maric R, Søndergaard HB, Sellebjerg F, Brusgaard K, Kjeldbjerg AL, Rasmussen HB, Nielsen AL, Nyegaard M, Petersen T, Børglum AD, Pedersen FS. The etiology of multiple sclerosis: genetic evidence for the involvement of the human endogenous retrovirus HERV-Fc1. *PLoS One.* 2011 Feb 2;6(2):e16652.
- Maric R, Pedersen FS, Kjeldbjerg A, Moeller-Larsen A, Bahrami S, **Brudek T**, Petersen T, Christensen T. Absence of xenotropic murine leukaemia virus-related virus in Danish patients with multiple sclerosis. *J Clin Virol.* 2010 Sep 7
- Brudek T**, Christensen T, Petersen T, Hansen HJ, Møller-Larsen A. B cells and monocytes from patients with active multiple sclerosis exhibit increased surface expression of both HERV-H Env and HERV-W Env, accompanied by increased seroreactivity. *Retrovirology* 2009, 6:104
- Petersen T, Møller-Larsen A, Thiel S, **Brudek T**, Krarup Hansen T, Christensen T. Effects of interferon-beta therapy on innate and adaptive immune responses to human endogenous retrovirus, cytokine production, and the lectin complement activation pathway in multiple sclerosis. *J Neuroimmunol.* 2009 Oct 30;215(1-2):108-16
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Brudek T, Christensen T, Hansen HJ, Møller-Larsen A. Synergistic Immune Responses Induced by Endogenous Retrovirus and Herpesvirus Antigens Result in Increased Production of Inflammatory Cytokines in Multiple Sclerosis Patients. *Scand.J.Imunol.* 2008 Mar; 67: 295-303

Brudek T, Luhdorf P, Christensen T, Hansen HJ, Moller-Larsen A. Activation of endogenous retrovirus reverse transcriptase in multiple sclerosis patient lymphocytes by inactivated HSV-1, HHV-6 and VZV. *J Neuroimmunol* 2007 Jul;187(1-2):147-55

Christensen T, Petersen T, Thiel S, **Brudek T**, Ellermann-Eriksen S, Møller-Larsen A. Gene-environment interactions in multiple sclerosis: Innate and adaptive immune responses to human endogenous retrovirus and herpes virus antigens and the lectin complement activation pathway. *J Neuroimmunol.* 2007 Feb;183(1-2):175-88.

Brudek T, Christensen T, Hansen HJ, Bobecka J, Moller-Larsen A. Simultaneous presence of endogenous retrovirus and herpes virus antigens has profound effect on cell-mediated immune responses: implications for multiple sclerosis. *AIDS Res Hum Retroviruses.* 2004 Apr;20(4):415-23.

Published abstracts

Brudek T, Folke J, Winge K, Fog K, Pakkenberg B, Østergaard Pedersen L. Evaluation of Anti- α -Synuclein Autoantibody Affinity in Parkinson's disease and Multiple System Atrophy. *Society for Neuroscience Abstract Viewer and Itinerary Planner*

Brudek T, Winge K, Agander T. Klitmoller, Pakkenberg B. Toll-like receptors expression in multiple system atrophy brains. *Society for Neuroscience Abstract Viewer and Itinerary Planner Vol.43, 2013*

Brudek T, Winge K, Agander T. Klitmoller, Pakkenberg B. Alpha-synuclein and its splice variant expression in multiple system atrophy brains *Society for Neuroscience Abstract Viewer and Itinerary Planner Vol.42, 2012*

Vlassaks, E.; Vles, J. S. H.; **Brudek, T.**; Strackx, E.; Steinbusch, H. W.; Kramer, B. W.; Pakkenberg, B.; Gavilanes, D. A. W. Perinatal asphyxia and fetal asphyctic preconditioning: Global inflammatory impact on brain cortex, cerebellum and liver. *Society for Neuroscience Abstract Viewer and Itinerary Planner Vol.42, 2012*

Brudek, T.; Christensen, T.; Petersen, T.; Moller-Larsen, A. Increased expression of HERV-H Env and HERV-W Env epitopes on the surface of PBMCs from patients with active multiple sclerosis. *AIDS research and human retroviruses* 25 (11) 2009

Brudek T, Christensen T, Hansen HJ, Petersen T, Moller-Larsen A. Synergistic immune responses induced by endogenous retrovirus and herpesvirus antigens result in increased production of inflammatory cytokines in multiple sclerosis patients. *Scandinavian journal of immunology* 67 (4) 2008

Books

Brudek T. Multiple Sclerosis – A Viral Disease? The Possible Role of Human Endogenous Retroviruses and Herpesviruses in the Pathogenesis of Multiple Sclerosis. VDM Verlag Dr. Müller Aktiengesellschaft & Co. KG Publishing House; ISBN 978-3-639-20021-8.
