# Dublin Neuroscience Conference

## Beaumont Hospital, Dublin

Visiting Speaker – Friday, April 8th 2016

Dr. Joachim Weis

Lecture Title: *"Peripheral Neuropathy – A Pathologist's Perspective"*

| Training and professional experience | |
|---|---|
| 1979-1985 | RWTH Aachen University Medical School |
| 1985-1988 | Resident, Institute of Neuropathology, RWTH Aachen University Hospital |
| 1987 | Promotion (M.D.) "*summa cum laude*" |
| 1989-1990 | Postdoctoral Fellow, Washington University, St. Louis, Missouri, U.S.A. |
| 1991-1995 | Resident and Research fellow (C1), RWTH Aachen University Hospital |
| 1994 | Board exam in Neuropathology |
| 1995 | Habilitation and appointment as *Privatdozent* in Neuropathology, RWTH |
| 1995-1997 | Oberarzt (C2), Institute of Neuropathology, RWTH Aachen University Hospital |
| 1998-2004 | Senior physician *(Leitender Arzt)*, Division of Neuropathology, Institute of Pathology, University of Bern, Switzerland, and Professor *(Titularprofessor)* of Neuropathology |
| 1997, 1998, 2002 | Calls to C3 professorships of Neuropathology at the Universities of Dresden, Ulm and Regensburg |
| 2002-2004 | President of the Swiss Society of Neuropathology |
| Since 2004 | Full professor (C4) and Director, Institute of Neuropathology, RWTH Aachen |
| Since 2004 | Head of the Reference Centre for Neuromuscular Diseases of the German Society of Neuropathology and Neuroanatomy, DGNN |
| 2009-2012 | President, 2012-2015 Past-President, DGNN |
| 2011-2014 | President, European Confederation of Neuropathological Societies (Euro-CNS) |

## Ten most important publications of the last five years


1. Khaminets A, Heinrich T, Mari M, Grumati P, Huebner AK, Akutsu M, Liebmann L, Stolz A, Nietzsche S, Koch N, Mauthe M, Katona I, Qualmann B, **Weis J**, Reggiori F, Kurth I, Hübner CA, Dikic I. Regulation of endoplasmic reticulum turnover by selective autophagy. *Nature* 522: 354-358, 2015
2. Filézac de L'Etang A, Maharjan N, Cordeiro Braña M, Ruegsegger C, Rehmann R, Goswami A, Roos A, Troost, D, Schneider BL, **Weis J**, Saxena S. Marinesco-Sjögren syndrome protein SIL1 contributes to motoneuron subtype-selective ER stress and degeneration in fALS mice. *Nature Neurosci*, 2015 Feb;18(2):227-38.
3. Vollrath JT, Sechi A, Dreser A, Katona I, Wiemuth D, Vervoorts J, Dohmen M, Chandrasekar A, Prause J, Brauers E, Jesse CM, **Weis J***, Goswami A*. Loss of function of the ALS protein SigR1 leads to ER pathology associated with defective autophagy and lipid raft disturbances. *Cell Death Dis. 2014* Jun 12. e1290. doi: 10.1038/cddis.2014.243. *Equal contr.
4. Roos A, Buchkremer S, Kollipara L, Labisch T, Gatz C, Zitzelsberger M, Brauers E, Nolte K, Schröder JM, Kirschner J, Jesse CM, Goebel HH, Goswami A, Zimmermann R, Zahedi RP, Senderek J, **Weis J**. Myopathy in Marinesco-Sjögren syndrome links endoplasmic reticulum chaperone dysfunction to nuclear envelope pathology. *Acta Neuropathol* 2014, 127: 761-777
5. Krieger M, Roos A, Stendel C, Claeys KG, Sonmez FM, Baudis M, Bauer P, Bornemann A, de Goede C, Dufke A, Finkel RS, Goebel HH, Häussler M, Kingston H, Kirschner J, Medne L, Muschke P, Rivier F, Rudnik-Schöneborn S, Spengler S, Inzana F, Stanzial F, Benedicenti F, Synofzik M, Lia Taratuto A, Pirra L, Tay SK, Topaloglu H, Uyanik G, Wand D, Williams D, Zerres K, **Weis J**, Senderek J. SIL1 mutations and clinical spectrum in patients with Marinesco-Sjogren syndrome. *Brain* 2013, 136: 3634-44
6. Prause J*, Goswami A*, Katona I, Roos A, Schnizler M, Bushuven E, Dreier A, Buchkremer S, Johann S, Beyer C, Deschauer M, Troost D, **Weis J**. Altered localization, abnormal modification and loss of function of Sigma receptor-1 in amyotrophic lateral sclerosis. *Hum Mol Genet* 2013 22: 1581-1600. *Equal contr.
7. Schulz A, Baader SL, Niwa-Kawakita M, Jung MJ, Bauer R, Garcia C, Zoch A, Schacke S, Hagel C, Mautner VF, Hanemann CO, Dun XP, Parkinson DB, **Weis J**, Schröder JM, Gutmann DH, Giovannini M, Morrison H. Merlin isoform 2 in neurofibromatosis type 2-associated polyneuropathy. *Nature Neurosci* 2013, 16: 426-433
8. Leipold E, Liebmann L, Korenke GC, Heinrich T, Gießelmann S, Baets J, Ebbinghaus M, Goral RO, Stödberg T, Hennings JC, Bergmann M, Altmüller J, T hiele H, Wetzel A, Nürnberg P, Timmerman V, De Jonghe P, Blum R, Schaible HG, **Weis J**, Heinemann SH, Hübner CA, Kurth I. A de novo gain-of-function mutation in SCN11A causes loss of pain perception. *Nature Genet*. 2013, 45: 1399-1404
9. **Weis J***, Katona I*, Müller-Newen G, Sommer C, Necula G, Hendrich C, Ludolph AC, Sperfeld A-D. Small fiber neuropathy in ALS patients. *Neurology*. 76(23): 2024-9, 2011 *Equal contribution
10. Bremer J, Baumann F, Tiberi C, Wessig C, Fischer H, Schwarz P, Steele AD, Toyka KV, Nave KA, **Weis J**, Aguzzi A. Axonal prion protein is required for peripheral myelin maintenance. *Nature Neurosci*. 13(3): 310-18, 2010


For a comprehensive publication list, see
http://www.ukaachen.de/fileadmin/files/institute/neuropathologie/Publications_Institute_of_Neuropathology_since_2004.pdf