

Publications Univ.-Prof. Dr. med. Joachim Weis

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- Reviews, guidelines, etc.
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- Others: Habilitation treatise (*Habilitationsschrift*), Doctoral thesis (*Dissertation*)

20 selected publications

Weis J, Schröder JM: Differential effects of nerve, muscle and fat tissue on regenerating nerve fibers in vivo. *Muscle & Nerve* 12: 723-734, 1989

Weis J, Fine SM, David C, Savarirayan S, Sanes JR: Integration site-dependent expression of a transgene reveals special features of cells associated with neuromuscular junctions. *J Cell Biol* 113: 1385-1397, 1991

Weis J: Jun, fos, myoD, and myogenin proteins are increased in skeletal muscle fiber nuclei after denervation. *Acta Neuropathol* 87: 63-70, 1994

Porter BE, **Weis J**, Merlie JP, Sanes JR: A motoneuron-selective stop signal for neurite outgrowth in the synaptic protein, s-laminin. *Neuron* 14: 549-559, 1995

Weis J, Lie DC, Ragoß U, Züchner S, Karpati G, Yancopoulos GD, DiStefano PS: CNTF receptor alpha expression is increased in acute denervation atrophy of human skeletal muscle. *J Neuropathol Exp Neurol* 57: 850-857, 1998

Brunello AG, Weissenberger J, Kappeler A, Vallan C, Peters M, Rose-John S, **Weis J**: CNS alterations in interleukin-6/soluble interleukin-6 receptor alpha double transgenic mice. *Am J Pathol* 157: 1485-1493, 2000

Weissenberger J, Loeffler S, Afanasieva T, Aguzzi A, Kopf M, **Weis J**: IL-6 is required for glioma development in a mouse model. *Oncogene* 23: 3308-3316, 2004

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): 310-318, 2010

Brauers E, Dreier A, Roos A, Wormland B, **Weis J***, Krüttgen A*. Differential effects of myopathy-associated caveolin 3-mutants on growth factor signaling. *Am J Pathol.* 177(1): 261-70, 2010 *Equal contribution

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): 2024-2029, 2011. *Equal contribution

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.* 22(8): 1581-1600, 2013. *Equal contr.

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.* 127(5): 761-777, 2014

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 regulates motor neuron subtype-selective ER stress in ALS. *Nature Neurosci.* 18(2): 227-238, 2015

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 (7556): 354-358, 2015

Goswami A, Jesse C, Chandrasekar A, Bushuven E, Vollrath J, Dreser A, Katona I, Beyer C, Johann S, Feller A, Grond M, Wagner S, Nikolin S, Troost D, **Weis J**. Accumulation of STIM1 is associated with the degenerative muscle fibre phenotype in ALS and other neurogenic atrophies. *Neuropathol Appl Neurobiol.* 41(3): 304-18, 2015

Jesse CM, Bushuven E, Tripathi P, Chandrasekar A, Simon CM, Drepper C, Yamoah A, Dreser A, Katona I, Johann S, Beyer C, Wagner S, Grond M, Nikolin S, Anink J, Troost D, Sendtner M, Goswami A, **Weis J**. ALS-associated endoplasmic reticulum proteins in denervated skeletal muscle: Implications for motor neuron disease pathology. *Brain Pathol.* 27(6):781-794, 2017

Dreser A, Vollrath JT, Sechi A, Johann S, Roos A, Yamoah A, Katona I, Boholega S, Wiemuth D, Tian Y, Schmidt A, Vervoorts-Weber J, Dohmen M, Beyer C, Anink J, Aronica E, Troost D, **Weis J***, Goswami A*. The ALS-linked E102Q mutation in Sigma receptor-1 leads to ER stress-mediated defects in protein homeostasis and dysregulation of RNA binding proteins. *Cell Death Differ.* 10:1655-1671, 2017. *Equal contribution

Mair D, Biskup S, Kress W, Abicht A, Brück W, Zechel S, Knop KC, Koenig FB, Tey S, Nikolin S, Eggermann K, Kurth I, Ferbert A, **Weis J**. Differential diagnosis of vacuolar myopathies in the NGS era. *Brain Pathol.* 30(5): 877-896, 2020

Tripathi P, Guo H, Dreser A, Yamoah A, Sechi A, Jesse C, Katona I, Doukas P, Nikolin S, Ernst S, Aronica E, Troost D, Glass H, Hermann A, Steinbusch H, Feller A, Bergmann M, Jaarsma D*, **Weis J***, Goswami A*. Pathomechanisms of ALS8: Altered autophagy and defective RNA binding protein (RBP) homeostasis due to the VAPB-P56S mutation. *Cell Death Dis.* 2021 12(5): 466, 2021. *equal contribution

Foronda H, Fu Y, Covarrubias-Pinto A, Bocker HT, González A, Seemann E, Franzka P, Bock A, Bhaskara RM, Liebmann L, Hoffmann ME, Katona I, Koch N, **Weis J**, Kurth I, Gleeson JG, Reggiori F, Hummer G, Kessels MM, Qualmann B, Mari M, Dikić I, Hübner CA. Heteromeric clusters of ubiquitinated ER-shaping proteins drive ER-phagy. *Nature.* 2023 May 24. doi: 10.1038/s41586-023-06090-9. Epub ahead of print. PMID: 37225994.

Chronological list of publications in scientific journals excluding reviews, guidelines and comments

2024

378: Holzer MT, Uruha A, Roos A, Hentschel A, Schänzer A, **Weis J**, Claeys KG, Schooser B, Montagnese F, Goebel HH, Huber M, Léonard-Louis S, Kötter I, Streichenberger N, Gallay L, Benveniste O, Schneider U, Preusse C, Krusche M, Stenzel W. Anti-Ku + myositis: an acquired inflammatory protein-aggregate myopathy. *Acta Neuropathol.* 148(1):6, 2024

377: Godbole S, Voß H, Gocke A, Schlumbohm S, Schumann Y, Peng B, Mynarek M, Rutkowski S, Dottermusch M, Dorostkar MM, Korshunov A, Mair T, Pfister SM, Kwiatkowski M, Hotze M, Neumann P, Hartmann C, **Weis J**, Liesche-Starnecker F, Guan Y, Moritz M, Siebels B, Struve N, Schlüter H, Schüller U, Krisp C, Neumann JE. Multiomic profiling of medulloblastoma reveals subtype-specific targetable alterations at the proteome and N-glycan level. *Nat Commun.* 15(1):6237, 2024

376. Roos A, Häusler M, Kollipara L, Topf A, Preusse C, Stucka R, Nolte K, Strom T, Berutti R, Jiang X, Koll R, Lochmüller H, Schacht SM, Zahedi RP, **Weis J**, Senderek J. HNRNPA1 de novo variant associated with early childhood onset, rapidly Progressive Generalized Myopathy. *J Neuromuscul Dis.* 11(5):1131-1137, 2024
PMC11380306.

375. Becker MHJ, Lassner F, Nolte KW, Brook GA, **Weis J**. The role of length of nerve grafts in combination with free functional muscle transplantation for brachial plexus injury: A single-center experience. *J Pers Med.* 4;14(9):940, 2024

374. Distelmaier F, Sezer A, Helm C, Waldmüller S, Seibt A, Gangfuß A, Kölbl H, Schara-Schmidt U, Yuksel D, Talim B, Mayatepek E, Nikolin S, **Weis J**, Roos A, Haack TB. Biallelic truncating variants in PACSIN3 cause childhood-onset myopathy with hyperCKaemia. *Brain.* 147(7): e45-e49, 2024

373. Della Marina A, Hentschel A, Czech A, Schara-Schmidt U, Preusse C, Laner A, Abicht A, Ruck T, **Weis J**, Choueiri C, Lochmüller H, Kölbl H, Roos A. Novel Genetic and Biochemical Insights into the Spectrum of NEFL-Associated Phenotypes. *J Neuromuscul Dis.* 11(3): 625-645, 2024

372. Bremer J, Meinhardt A, Katona I, Senderek J, Kämmerer-Gassler EK, Roos A, Ferbert A, Schröder JM, Nikolin S, Nolte K, Sellhaus B, Popzhelyazkova K, Tacke F, Schara-Schmidt U, Neuen-Jacob E, de Groote CC, de Jonghe P, Timmerman V, Baets J, **Weis J**. Myelin protein zero mutation-related hereditary neuropathies: Neuropathological insight from a new nerve biopsy cohort. *Brain Pathol.* 34(1):e13200, 2024

2023

371. Achenbach P, Hillerbrand L, Gerardo-Nava JL, Dievernich A, Hodde D, Sechi AS, Dalton PD, Pich A, **Weis J**, Altinova H, Brook GA. Function Follows Form: Oriented Substrate Nanotopography Overrides Neurite-Repulsive Schwann Cell-Astrocyte Barrier Formation in an *In Vitro* Model of Glial Scarring. *Nano Lett.* 23(14): 6337-6346, 2023

370. Foronda H, Fu Y, Covarrubias-Pinto A, Bocker HT, González A, Seemann E, Franzka P, Bock A, Bhaskara RM, Liebmann L, Hoffmann ME, Katona I, Koch N, **Weis J**, Kurth I, Gleeson JG, Reggiori F, Hummer G, Kessels MM, Qualmann B, Mari M, Dikić I, Hübner CA. Heteromeric clusters of ubiquitinated ER-shaping proteins drive ER-phagy. *Nature*. 618(7964): 402-410, 2023

369. Roos A, van der Ven PFM, Alrohaif H, Kölbl H, Heil L, Della Marina A, **Weis J**, Aßent M, Beck-Wödl S, Barresi R, Töpf A, O'Connor K, Sickmann A, Kohlschmidt N, El Gizouli M, Meyer N, Daya N, Grande V, Bois K, Kaiser FJ, Vorgerd M, Schröder C, Schara-Schmidt U, Gangfuss A, Evangelista T, Röbisch L, Hentschel A, Grüneboom A, Fuerst DO, Kuechler A, Tzschach A, Depienne C, Lochmüller H. Bi-allelic variants of FILIP1 cause congenital myopathy, dysmorphism and neurological defects. *Brain*. 3;146(10):4200-4216, 2023

368. Bremer J, Friemann J, von Stillfried S, Boor P, **Weis J**. Reduced T-cell densities in cranial nerves of patients who died with SARS-CoV-2 infection. *Acta Neuropathologica Communications* 11(1): 10, 2023

367. Igharo D, Thiel JC, Rolke R, Akkaya M, **Weis J**, Katona I, Schulz JB, Maier A. Skin biopsy reveals generalized small fibre neuropathy in hypermobile Ehlers-Danlos syndromes. *Eur J Neurol*. 30(3): 719-728, 2023

366. Yamoah A, Tripathi P, Guo H, Scheve L, Walter P, Johnen S, Müller F, **Weis J***, Goswami A*. Early Alterations of RNA Binding Protein (RBP) Homeostasis and ER Stress-Mediated Autophagy Contributes to Progressive Retinal Degeneration in the *rd10* Mouse Model of Retinitis Pigmentosa (RP). *Cells*. 2023 Apr 6;12(7):1094.

365. Franzka P, Schüler SC, Kentache T, Storm R, Bock A, Katona I, **Weis J**, Buder K, Kaether C, Hübner CA. Impact of Hypermannosylation on the Structure and Functionality of the ER and the Golgi Complex. *Biomedicines*. 2023 Jan 6;11(1):146.

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364. von Stillfried S, Bülow RD, Röhrig R, Boor P; German Registry of COVID-19 Autopsies (DeRegCOVID), DeRegCOVID Collaborators. First report from the German COVID-19 autopsy registry. *Lancet Reg Health Eur*. 2022 Feb 18; 15: 100330. doi: 10.1016/j.lanepe.2022.100330. eCollection 2022 Apr. PMID: 35531493

363. von Stillfried S, Bülow RD, Röhrig R, Meybohm P, Boor P; German Registry of COVID-19 Autopsies (DeRegCOVID), DeRegCOVID Collaborators#. Intracranial hemorrhage in COVID-19 patients during extracorporeal membrane oxygenation for acute respiratory failure: a nationwide register study report. *Crit Care*. 2022 Mar 28; 26(1): 83. doi: 10.1186/s13054-022-03945-x. PMID: 35346314

362. Pilotto F, Schmitz A, Maharjan N, Diab R, Odriozola A, Tripathi P, Yamoah A, Scheidegger O, Oestmann A, Dennys CN, Sinha Ray S, Rodrigo R, Kolb S, Aronica E, Di Santo S, Widmer HR, Charlet-Berguerand N, Selvaraj BT, Chandran S, Meyer K, Zuber B, Goswami A, **Weis J**, Saxena S. PolyGA targets the ER stress-adaptive response by impairing GRP75 function at the MAM in *C9ORF72*-ALS/FTD. *Acta Neuropathol* 2022 144(5):939-966, 2022

361. Maier A, Kapfenberger R, Katona I, **Weis J**, Schulz JB, Rolke R. Nonregional small fibre neuropathy in cases of autoimmune autonomic neuropathy. *J Neurol*. 2022 Sep 9. Epub ahead of print.

360. Altinova H, Achenbach P, Palm M, Katona I, Hermans E, Clusmann H, **Weis J**, Brook GA. Characterization of a Novel Aspect of Tissue Scarring Following Experimental Spinal Cord Injury and the Implantation of Bioengineered Type-I Collagen Scaffolds in the Adult Rat: Involvement of Perineurial-Like Cells? *Int. J. Mol. Sci.* 23(6), 3221, 2022

359. Dohrn MF, Heller C, Zengeler D, Obermaier CD, Biskup S, **Weis J**, Nikolin S, Claeys KG, Schöne U, Beijer D, Winter N, Achenbach P, Gess B, Schulz JB, Mula-hasanovic L. Heterozygous POLG variant Ser1181Asn co-segregating in a family with autosomal dominant axonal neuropathy, proximal muscle fatigability, ptosis, and ragged red fibers. *Neurol Res Pract.* 4(1): 5, 2022

358. Koeppen S, Hense J, Nolte KW, **Weis J**. Immune-mediated neuropathy related to bortezomib in a patient with multiple myeloma. *Arch Pathol Clin Res.* 6: 001-004, 2022

2021

357. Ferreira N, Richner M, van der Laan A, Bergholdt Jul Christiansen I, Vægter CB, Nyengaard JR, Halliday GM, **Weis J**, Giasson BI, Mackenzie IR, Jensen PH, Jan A. Prodromal neuroinvasion of pathological α -synuclein in brainstem reticular nuclei and white matter lesions in a model of α -synucleinopathy. *Brain Commun.* 3(2): fcab104, 2021

356. Della Marina A, Arlt A, Schara-Schmidt U, Depienne C, Gangfuß A, Köbel H, Sickmann A, Freier E, Kohlschmidt N, Hentschel A, **Weis J**, Czech A, Grüneboom A, Roos A. Phenotypical and Myopathological Consequences of Compound Heterozygous Missense and Nonsense Variants in SLC18A3. *Cells.* 10(12):3481, 2021

355. Hummel C, Leylamian O, Pösch A, **Weis J**, Aronica E, Beyer C, Johann S. Expression and cell type-specific localization of inflammasome sensors in the spinal cord of SOD1(G93A) mice and sALS patients. *Neuroscience.* 463: 288-302, 2021

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353. Anderegg L, Mariani L, Beck J, Andres RH, Gralla J, Luedi MM, **Weis J**, Christ E. Lateral one-third gland resection in Cushing patients with failed adenoma identification leads to low remission rates: long-term observations from a small, single-center cohort. *Acta Neurochir (Wien).* 47(6):840-855, 2021, 2021

352. Kohlschmidt N, Elbracht M, Czech A, Häusler M, Phan V, Töpf A, Huang KT, Bartok A, Eggermann K, Zippel S, Eggermann T, Freier E, Groß C, Lochmüller H, Horvath R, Hajnóczky G, **Weis J**, Roos A. Molecular pathophysiology of human MICU1-deficiency. *Neuropathol Appl Neurobiol.* 47(6):840-855, 2021

351 Freischmidt A, Goswami A, Limm K, Zimyanin VL, Demestre M, Glaß H, Holzmann K, Helferich AM, Brockmann SJ, Tripathi P, Yamoah A, Poser I, Oefner PJ, Böckers TM, Aronica E, Ludolph AC, Andersen PM, Hermann A, **Weis J**, Reinders J, Danzer KM, Weishaupt JH. A serum microRNA sequence reveals fragile X protein pathology in amyotrophic lateral sclerosis. *Brain*. 144(4):1214-1229, 2021

350. Franzka P, Henze H, Jung MJ, Schüler SC, Mittag S, Biskup K, Liebmann L, Kentache T, Morales J, Martínez B, Katona I, Herrmann T, Huebner AK, Hennings JC, Groth S, Gresing LJ, Horstkorte R, Marquardt T, **Weis J**, Kaether C, Mutchinick OM, Ori A, Huber O, Blanchard V, von Maltzahn J, Hübner CA. GMPPA defects cause a neuromuscular disorder with α -dystroglycan hyperglycosylation. *J Clin Invest*. 131(9):e139076, 2021

349. Tripathi P, Guo H, Dreser A, Yamoah A, Sechi A, Jesse C, Katona I, Doukas P, Nikolin S, Ernst S, Aronica E, Troost D, Glass H, Hermann A, Steinbusch H, Feller A, Bergmann M, Jaarsma D*, **Weis J***, Goswami A*. Pathomechanisms of ALS8: Altered autophagy and defective RNA binding protein (RBP) homeostasis due to the VAPB-P56S mutation. *Cell Death Dis*. 2(5):466, 2021. *equal contribution

348. Deschauer M, Hengel H, Rupprich K, Kreiß M, Schlotter-Weigel B, Grimm M, Admard J, Schneider I, Alhaddad B, Gazou A, Sturm M, Vorgerd M, Balousha G, Balousha O, Falna M, Kirschke JS, Kornblum C, Jordan B, Kraya T, Strom TM, **Weis J**, Schöls L, Schara U, Zierz S, Riess O, Meitinger T, Haack TB. Bi-allelic truncating mutations in VWA1 cause neuromyopathy. *Brain* 144(2):574-583, 2021

347. Lausberg E, Gießelmann S, Dewulf JP, Wiame E, Holz A, Salvarinova R, Van Karnebeek C, Klemm P, Ohl K, Mull M, Braunschweig T, **Weis J**, Sommer C, Demuth S, Haase C, Debray F-G, Libioulle C, Choukair D, Oommen PT, Borkhardt A, Surowy H, Wiczorek D, Meyer R, Eggermann T, Begemann M, Van Schaftingen E, Häusler M, Tenbrock K, van den Heuvel L, Elbracht M, Kurth, Kraft F. A human multisystem disorder with autoinflammation, leukoencephalopathy and hepatopathy is caused by mutations in C2orf69. *J Clin Invest*. 131(12):e143078, 2021

346. Krasselt M, Schober R, **Weis J**, Baum P, Baerwald CGO, Seifert O. A Primary Myopathy Complicating Long-lasting Polymyalgia Rheumatica. *J Clin Rheumatol*. 27(1): e28-e29, 2021

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345. Kölbl H, Roos A, van der Ven PFM, Evangelista T, Nolte K, Johnson K, Töpf A, Wilson M, Kress W, Sickmann A, Straub V, Kollipara L, **Weis J**, Fürst DO, Schara U. First clinical and myopathological description of a myofibrillar myopathy with congenital onset and homozygous mutation in FLNC. *Hum Mutat*. 41(9): 1600-1614, 2020

344. Rabenstein M, **Weis J**, Abicht A, Fink GR, Lehmann HC, Wunderlich G. [Multiple acyl-CoA dehydrogenase deficiency/glutaric aciduria type 2: difficult diagnosis, easy to treat]. *Nervenarzt*. 91(4): 349-352, 2020

343. Mair D, Biskup S, Kress W, Abicht A, Brück W, Zechel S, Knop KC, Koenig FB, Tey S, Nikolin S, Eggermann K, Kurth I, Ferbert A, **Weis J**. Differential diagnosis of vacuolar myopathies in the NGS era. *Brain Pathol*. 30(5): 877-896, 2020

342. Mathis S, Vallat JM, **Weis J**. When botany inspired pathology of the peripheral nervous system. *Neurology*. 95(12): 532-536, 2020

341. Hedberg-Oldfors C, Meyer R, Nolte K, Abdul Rahim Y, Lindberg C, Karason K, Thuestad IJ, Visuttijai K, Geijer M, Begemann M, Kraft F, Lausberg E, Hitpass L, Götzl R, Luna EJ, Lochmüller H, Koschmieder S, Gramlich M, Gess B, Elbracht M, **Weis J**, Kurth I, Oldfors A, Knopp C. Loss of supervillin causes myopathy with myofibrillar disorganization and autophagic vacuoles. *Brain*. 143(8): 2406-2420, 2020

340. Yamoah A, Tripathi P, Sechi A, Köhler C, Guo H, Chandrasekar A, Nolte KW, Wruck CJ, Katona I, Anink J, Troost D, Aronica E, Steinbusch H, **Weis J***, Goswami A*. Aggregates of RNA Binding Proteins and ER Chaperones Linked to Exosomes in Granulovacuolar Degeneration of the Alzheimer's Disease Brain. *J Alzheimers Dis*. 75(1): 139-156, 2020. *equal contribution

339. Yilmazer-Hanke D, Mayer T, Müller HP, Neugebauer H, Abaei A, Scheuerle A, **Weis J**, Forsberg KME, Althaus K, Meier J, Ludolph AC, Del Tredici K, Braak H, Kasubek J, Rasche V. Histological correlates of postmortem ultra-high-resolution single-section MRI in cortical cerebral microinfarcts. *Acta Neuropathol Commun*. 8(1): 33, 2020

338. Altinova H, Hammes S, Palm M, Achenbach P, Gerardo-Nava J, Deumens R, Führmann T, van Neerven SGA, Hermans E, **Weis J**, Brook G. Dense fibroadhesive scarring and poor blood vessel-maturation hamper the integration of implanted collagen scaffolds in an experimental model of spinal cord injury. *Biomed Mater*. 15(1): 015012, 2020

337. Farschtschi SC, Kluwe L, Schön G, Friedrich RE, Matschke J, Glatzel M, **Weis J**, Hagel C, Mautner VF. Distinctive low epidermal nerve fiber density in schwannomatosis patients provides a major parameter for diagnosis and differential diagnosis. *Brain Pathol*. 30(2): 386-391, 2020

336. Kulesa M, Weyer-Menkhoff I, Viergutz L, Kornblum C, Claeys KG, Schneider I, Plöckinger U, Young P, Boentert M, Vielhaber S, Mawrin C, Bergmann M, **Weis J**, Ziagaki A, Stenzel W, Deschauer M, Nolte D, Hahn A, Schoser B, Schänzer A. An integrative correlation of myopathology, phenotype, and genotype in late onset Pompe disease. *Neuropathol Appl Neurobiol* 46(4): 359-374, 2020

335. Altinova H, Hammes S, Palm M, Achenbach P, Gerardo-Nava J, Deumens R, Führmann T, van Neerven SGA, Hermans E, **Weis J**, Brook G. Dense fibroadhesive scarring and poor blood vessel-maturation hamper the integration of implanted collagen scaffolds in an experimental model of spinal cord injury. *Biomed Mater*. 13;15(1):015012, 2020

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333. Rudnik-Schöneborn S, Huemer M, **Weis J**, Sauer E, Meng G. Early onset facio-scapulohumeral muscular dystrophy - Long-term follow-up of a patient with total facial diplegia. *Neuromuscul Disord*. 29(12): 973-976, 2019

332. Stengel H, Vural A, Brunder AM, Heinius A, Appeltshauer L, Fiebig B, Giese F, Dresel C, Papagianni A, Birklein F, **Weis J**, Huchtemann T, Schmidt C, Körtvelyessy, Villmann C, Meinel E, Sommer C, Leypoldt F, Doppler K. Anti-pan-neurofascin IgG3 as a marker of fulminant autoimmune neuropathy. *Neurol Neuroimmunol Neuroinflamm.* 6(5). pii: e603, 2019
331. Romeike BFM, Becker K, Großkreutz J, Schulz S, **Weis J**, Cirak S. A family with limb girdle muscular dystrophy type 1B and multiple exostoses. *Clin Neuropathol.* 38(5):225-232, 2019
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