Research output– Benjamin Victor Ineichen

As of January 2023

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Bibliometric data: total impact factor: 270.129, H-index: 19, i10-index: 27, sum of citations w/o self-citations: 1276

1) Peer-reviewed publications in scientific journals

Original publications

26.) Baadsvik EL, Weiger M, Froidevaux R, Faigle W, **Ineichen BV**, Pruessmann KP: Mapping the myelin bilayer with short-T2 MRI: Methods validation and reference data for healthy human brain.
Doi: https://doi.org/10.1002/mrm.29481
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25.) Zejlon C, Nakhostin D, Winklhofer S, Pangalu A, Kulcsar Z, Lewandowski S, Finnsson J, Piehl F, Ingre C, Granberg T*, **Ineichen BV***: Structural magnetic resonance imaging findings and histopathological correlations in motor neuron diseases – A systematic review and meta-analysis.
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24.) **Ineichen BV***, Tsagkas C*, Absinta M, Reich DS: Leptomeningeal Enhancement in Multiple Sclerosis and Other Neurological Diseases: A Systematic Review and Meta-Analysis.
Doi: https://doi.org/10.1016/j.nicl.2022.102939
Neuroimage Clin. **2022** [Online ahead of print]

23.) Mickeviciute G, Valiuskyte M, Plattén M, Wszolek ZK, Andersen O, Karrenbauer VD, **Ineichen BV***, Tobias Granberg*: Neuroimaging phenotypes of CSF1R-related leukoencephalopathy: Systematic review, meta-analysis, and imaging recommendations.
Doi: https://doi.org/10.1111/joim.13420
J Intern Med. **2021** [Online ahead of print]

22.) **Ineichen BV**, Moridi T, Ewing E, Ouellette R, Manouchehrinia A, Stawiarz L, Ferreira D, Muehlboeck SJ, Kuhle J, Westman E, Leppert D, Hillert J, Olsson T, Kockum I, Piehl F, Granberg T: Neurofilament light chain as a marker for cortical atrophy in multiple sclerosis without radiological signs of disease activity.
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20.) Kirschenbaum D, Imbach LL, Rushing EJ, Frauenknecht KBM, Gascho D, **Ineichen BV**, Keller E, Kohler S, Lichtblau M, Reimann RR, Schreib K, Ulrich S, Steiger P, Aguzzi A, Frontzek K: Intracerebral endotheliitis and microbleeds are neuropathological features of COVID-19.

Doi: https://doi.org/10.1111/nan.12677
Neuropathol Appl Neurobiol. **2020** [Online ahead of print]

19.) **Ineichen BV**, Di Palma S, Laczko E, Liddelow SA, Neumann S, Schwab ME*, Mosberger AC*: Regional differences in penetration of the protein stabilizer trimethoprim (TMP) in the rat central nervous system.
Doi: https://doi.org/10.3389/fnmol.2020.00167
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18.) **Ineichen BV***, Sati P*, Granberg T, Absinta M, Lee NJ, Lefeuvre JA, Reich DS: Magnetic resonance imaging in multiple sclerosis animal models: A systematic review, meta-analysis, and white paper.
Doi: https://doi.org/10.1016/j.nicl.2020.102371
Neuroimage Clin. **2020** Aug 2;28:102371

17.) Granberg T, Moridi T, Brand JS, Neumann S, Hlavica M, Piehl F, **Ineichen BV**: Enlarged perivascular spaces in multiple sclerosis on magnetic resonance imaging: a systematic review and meta-analysis.
Doi: https://doi.org/10.1007/s00415-020-09971-5
J. Neurol. **2020** Jun 13 [epub ahead of print]

16.) Ma Q, Decker Y, Müller A, **Ineichen BV**, Proulx ST: Clearance of cerebrospinal fluid from the sacral spine through lymphatic vessels.
Doi: https://doi.org/10.1084/jem.20190351
J Exp Med. **2019** Nov 4;216(11):2492-2502

15.) Schneider MP, Sartori AM, **Ineichen BV**, Moors S, Engmann AK, Hofer AS, Weinmann O, Kessler TM, Schwab ME: Anti-Nogo-A antibodies as a potential causal therapy for lower urinary tract dysfunction after spinal cord injury.
Doi: https://doi.org/10.1523/JNEUROSCI.3155-18.2019
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14.) Seyedsadr MS, Weinmann O, Amorim A, **Ineichen BV**, Egger M, Mirnajafi-Zadeh J, Becher B, Javan M, Schwab ME: Inactivation of sphingosine-1-phosphate receptor 2 (S1PR2) decreases demyelination and enhances remyelination in animal models of multiple sclerosis.
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13.) Hooijmans CR*, Hlavica M*, Schuler FAF, Good N, Good A, Baumgartner L, Galeno G, Schneider MP, Jung T, de Vries R, **Ineichen BV**: Remyelination promoting therapies in multiple sclerosis animal models: a systematic review and meta-analysis.
Doi: https://doi.org/10.1038/s41598-018-35734-4
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12.) Ma Q, **Ineichen BV**, Detmar M, Proulx S: Outflow of cerebrospinal fluid is predominantly through lymphatic vessels and is reduced in aged mice.
Doi: https://doi.org/10.1038/s41467-017-01484-6
Nat Commun. **2017** Nov 10;8(1):1434

11.) Hlavica M*, Delparente A*, Good A, Good N, Plattner PS, Schwab ME, Figlewicz MP, **Ineichen BV**: Intrathecal insulin-like growth factor 1 but not insulin enhances myelin repair in young and aged rats.
Doi: https://doi.org/10.1016/j.neulet.2017.03.047
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10.) Wahl AS, Erlebach E, Brattoli B, Büchler U, Kaiser J, **Ineichen BV**, Mosberger AC, Schneeberger S, Imobersteg S, Wieckhorst M, Stirn M, Schroeter A, Ommer B, Schwab ME: Early reduced behavioral activity induced by large strokes affects the efficiency of enriched environment in rats.
Doi: https://doi.org/10.1177/0271678X18777661
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9.) Schneider MP, Sartori AM, Tampé J, Moors S, Engmann AK, **Ineichen BV**, Hofer AS, Schwab ME, Kessler TM: Urodynamic measurements reflect physiological bladder function in rats.
Doi: https://doi.org/10.1002/nau.23455
Neurourol Urodyn. **2018** Apr;37(4):1266-1271

8.) Wahl AS, Büchler U, Brändli A, Brattoli B, Musall S, Kasper H, **Ineichen BV**, Helmchen F, Ommer B, Schwab ME: Optogenetically stimulating the intact corticospinal tract post-stroke restores motor control through regionalized functional circuit formation.
Doi: https://doi.org/10.1177/0271678X18777661
Nat Commun. **2017** Oct 30;8(1):1187

7.) **Ineichen BV***, Kapitza* S, Bleul C, Good N, Plattner PS, Schneider MP, Zörner B, Martin R, Linnebank M*, Schwab ME*: Nogo-A-antibodies enhance axonal repair and remyelination in multiple sclerosis animal models.
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6.) **Ineichen BV***, Schneider MP*, Hlavica M, Hagenbuch N, Linnebank M, Kessler TM: High EDSS can predict risk for upper urinary tract damage in patients with multiple sclerosis.
Doi: https://doi.org/10.1177/1352458517703801
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5.) Hlavica M, Berberat J, **Ineichen BV**, Añon J, Diepers M, Nedeltchev K, Kahles T, Remonda L: Emergent vs. elective stenting of carotid stenosis with intraluminal carotid thrombus.
Doi: https://doi.org/10.1016/j.neurad.2017.02.004
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4.) Mosberger AC, Miehlbradt JC, Bjelopoljak N, Schneider MP, Wahl AS, **Ineichen BV**, Gullo M, Schwab ME: Axotomized Corticospinal Neurons Increase Supra-Lesional Innervation and Remain Crucial for Skilled Reaching after Bilateral Pyramidotomy.
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3.) Abo Youssef N, Schneider MP, Mordasini L, **Ineichen BV**, Bachmann LM, Chartier-Kastler E, Panicker JN, Kessler TM: Cannabinoids for treating neurogenic lower urinary tract dysfunction in patients with multiple sclerosis: a systematic review and meta-analysis.
Doi: https://doi.org/10.1111/bju.13759
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2.) **Ineichen BV***, Weinmann O*, Good N, Plattner PS, Wicki C, Rushing EJ, Linnebank M, Schwab ME: Sudan black: a fast, easy and non-toxic method to assess myelin repair in demyelinating diseases.
Doi: https://doi.org/10.1111/nan.12373
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1.) **Ineichen BV**, Schnell L, Gullo M, Kaiser J, Schneider MP, Mosberger AC, Good N, Linnebank M, Schwab ME: Direct, long-term intrathecal application of antibodies and drugs to the rodent central nervous system.

Doi: https://doi.org/10.1038/nprot.2016.151
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Reviews

6.) **Ineichen BV**, Okar SV, Proulx ST, Engelhardt B, Lassmann H, Reich DS: Perivascular spaces and their role in neuroinflammation.
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5.) **Ineichen BV**, Piccirelli M, Beck E, Reich DS: New Prospects for Ultra-High-Field Magnetic Resonance Imaging in Multiple Sclerosis.
Doi: https://doi.org/10.1097/RLI.0000000000000804
Invest Radiol. **2021** Jun 11 [Online ahead of print]

4.) Almqvist J, Granberg T, Tzortzakakis A, Klironomos S, Kollia E, Öhberg C, Martin R, Piehl F, Ouellette R, **Ineichen BV:** Neurological manifestations of coronavirus infections - a systematic review.
Doi: https://doi.org/10.1002/acn3.51166
Ann Clin Transl Neurol. **2020** Aug 27 [epub ahead of print]

3.) **Ineichen BV**, Moridi T, Granberg T, Piehl F: Rituximab treatment for multiple sclerosis.
Doi: https://doi.org/10.1177/1352458519858604
Mult Scler. **2020** Feb;26(2):137-152

2.) Seyedsadr MS, **Ineichen BV**: Gpr17, a Player in Lysolecithin-Induced Demyelination, Oligodendrocyte Survival, and Differentiation.
Doi: https://doi.org/10.1523/JNEUROSCI.3778-16.2017
J. Neurosci. **2017** Mar 1;37(9):2273-2275

1.) **Ineichen BV***, Plattner PS*, Good N, Martin R, Linnebank M, Schwab ME: Nogo-A Antibodies for Progressive Multiple Sclerosis.
Doi: https://doi.org/10.1007/s40263-017-0407-2
CNS Drugs. **2017** Mar; 31(3):187-198

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2) Other artefacts with documented use (Data sets)

ANIMONE: An *in vivo* data warehouse for neuroscience (pilot), November 2021:
http://shiny.math.uzh.ch/user/efurrer/translationsuccess-shiny-prototype/shiny/