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Associate Professor of Neurology and Neurological Sciences (Adult Neurology)

CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Neuroimmunology
- Multiple sclerosis (MS)
- Neuromyelitis optica
- High risk MS
- MS pregnancy
- Clinical Neurophysiology

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Adult Neurology
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Behavioral Neurology Fellowship (2009) CA
- Residency: University of Washington Neurology Residency (2005) WA
- Internship: University of Washington Medical Center Dept of Medicine (2002) WA
- Medical Education: Institute of Medicine 1 Yangon (1996) Myanmar
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2011)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Multiple sclerosis

Neuromyelitis optica

Autoimmune CNS disorders

CLINICAL TRIALS

- Brainshuttle Study, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)
- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **Distinct Reactivity Patterns to EBV Nuclear Proteins and CNS Antigens Distinguish CNS Demyelinating Disorders from Systemic Autoimmunity**
Sattarnezhad, N., Held, F., Babaei, M., Gawde, S., Ho, P., Barrett, A., Wijerante, T., Comanescu, A., Parsafar, S., Bartels, F., McDonald, J., Kipp, L., Van Haren, et al
SAGE PUBLICATIONS LTD.2025: 309-310
- **Temperature sensitivity associates with indicators of disease progression in multiple sclerosis**
Motovilov, K., Bazzi, S., Maguire, C., Wang, Q., Williams, E., Clements, B., Schuler, M., Weed, M., Mihova, C., Han, M., Paydarfar, D., Melamed, E.
SAGE PUBLICATIONS LTD.2025: 167
- **IPND 2025: Revised Consensus Criteria, Classification, and Nomenclature for Neuromyelitis Optica Spectrum Disorders**
Wingerchuk, D. M., Marignier, R., Palace, J., Paul, F., Aktas, O., Bennett, J. L., Brilot, F., Correale, J., Flanagan, E., Greenberg, B. M., Han, M., Jurynczyk, M., Kim, et al
SAGE PUBLICATIONS LTD.2025: 1357-1359
- **Longitudinal study of foveal scattering features in multiple sclerosis using adaptive optics scanning light ophthalmoscopy**
Hargrave, A., Buickians, D., Ayubi, G., Parthasarathi, P., Navarro, S., Kowalski, B., Kipp, L., Han, M. H., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **A Novel Mouse Model for Cerebral Inflammatory Demyelination in X-Linked Adrenoleukodystrophy: Insights into Pathogenesis and Potential Therapeutic Targets.** *Annals of neurology*
Hashemi, E., Srivastava, I. N., Aguirre, A., Yoseph, E. T., Kaushal, E., Awani, A., Ryu, J. K., Akassoglou, K., Talebian, S., Chu, P., Pisani, L., Musolino, P., Steinman, et al
2024
- **High-dimensional, targeted immunogenetic profiles of "idiopathic" myelitis with correlative risk and protective factors**
Sarkar, T., Sumera, J., Tomczak, A., Bachar, S., Ton-Nu, C., Joseph, Y., Lee, J., Osoegawa, K., Vina, M., Wu, D., Nie, E., Sattarnezhad, N., McDonald, et al
SAGE PUBLICATIONS LTD.2024: 1230-1231
- **Challenging the Dogma on Uhthoff's Phenomenon: Transient Nuisance or a Possible Marker of Disease Progression?**
Bazzi, S., Wang, Q., Motovilov, K., Maguire, C., Clements, B., Schuler, M., Fonken, C., Goodwin, H., Mihova, C., Han, M., Paydarfar, D., Melamed, E.
SAGE PUBLICATIONS LTD.2024: 848-849
- **Cognitive phenotypes and outcomes in NMO**
Han, M., Young, C.

SAGE PUBLICATIONS LTD.2024: 723

- **Paired serum and CSF immunoprofiling guides treatment of refractory CNS autoimmunity**
Wu, D., Sarkar, T., Nie, E., Galetta, K., McDonald, J., Tomczak, A., Sumera, J., Kipp, L., Lock, C., Dunn, J., Han, M.
SAGE PUBLICATIONS LTD.2024: 1196
- **Prevalence, Demographic, and Clinical Factors Associated With Cognitive Dysfunction in Patients With Neuromyelitis Optica Spectrum Disorder (vol 102, e207965, 2024) NEUROLOGY**
Vlahovic, L., McDonald, J., Hinman, J., Tomczak, A., Lock, C., Palmer, C. A., Cook, L. J., Yeaman, M. R., Burnett, M. K., Deutsch, G. K., Nelson, L. M., Han, M. H., CIRCLES Study Grp
2024; 103 (3)
- **Permittivity tensor imaging: modular label-free imaging of 3D dry mass and 3D orientation at high resolution. *Nature methods***
Yeh, L. H., Ivanov, I. E., Chandler, T., Byrum, J. R., Chhun, B. B., Guo, S. M., Foltz, C., Hashemi, E., Perez-Bermejo, J. A., Wang, H., Yu, Y., Kazansky, P. G., Conklin, et al
2024
- **Longitudinal foveal adaptive optics scanning laser ophthalmoscopy in multiple sclerosis**
Hargrave, A., Buickians, D., Navarro, S., Parthasarathi, P., Kipp, L., Han, M., Zavalla, G., Kowalski, B., Dubra, A., Moss, H. E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **In Vivo OCT Imaging of Muller and Macrophage-Like Cells in the Retinas of Patients with and without MS and related diseases**
Elizabeth, S., Navarro, V., Han, M., Kipp, L., Hargrave, A., Parthasarathi, P., Sylvestre-Bouchard, A., Dubra, A., Moss, H. E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Antipsychotic medications associated with increased length of hospital stay in autoimmune encephalitis and multiple sclerosis: A retrospective study. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia***
Sai Folmsbee, S., Hui, G., Yuan, Y., Gombar, S., Han, M., Le, S.
2024; 124: 87-93
- **Clinical Features of Neurotoxicity Following CD19 CAR T-cell Therapy in Mantle Cell Lymphoma. *Blood advances***
Nie, E. H., Su, Y. J., Baird, J. H., Agarwal, N., Bharadwaj, S., Weng, W. K., Smith, M., Dahiya, S., Han, M. H., Dunn, J. E., Kipp, L. B., Miklos, D. B., Scott, et al
2024
- **Prevalence, Demographic, and Clinical Factors Associated With Cognitive Dysfunction in Patients With Neuromyelitis Optica Spectrum Disorder. *Neurology***
Vlahovic, L., McDonald, J., Hinman, J., Tomczak, A., Lock, C., Palmer, C. A., Cook, L. J., Yeaman, M. R., Burnett, M. K., Deutsch, G. K., Nelson, L. M., Han, M. H.
2024; 102 (1): e207965
- **A Novel Mouse Model for Cerebral Inflammatory Demyelination in X-Linked Adrenoleukodystrophy: Insights into Pathogenesis and Potential Therapeutic Targets *Annals of Neurology***
Hashemi, E., Srivastava, I., Aguirre, A., Yoseph, E. T., Van Haren, K. P.
2024
- **A novel mouse model of cerebral adrenoleukodystrophy highlights NLRP3 activity in lesion pathogenesis. *bioRxiv : the preprint server for biology***
Hashemi, E., Narain Srivastava, I., Aguirre, A., Tilahan Yoseph, E., Kaushal, E., Awani, A., Kyu Ryu, J., Akassoglou, K., Talebian, S., Chu, P., Pisani, L., Musolino, P., Steinman, et al
2023
- **Epidemiological and Clinical Outcome Determinants of Post-COVID-19 Myelopathy**
Sumera, J., Sarkar, T., McDonald, J., Sattarnehzad, N., Nie, E., Kipp, L., Dunn, J., Han, M., Joseph, Y., Tomczak, A., Lock, C.
SAGE PUBLICATIONS LTD.2023: 719
- **Blood Biomarkers Elucidate the Mechanism of Cognitive Dysfunction in Neuromyelitis Optica and Myelin Oligodendrocyte Glycoprotein Antibody Associated Disease**
Han, M., Vlahovic, L., Wilson, E.
SAGE PUBLICATIONS LTD.2023: 827-828

- **Impacts of Race and Immunotherapy on Maternal and Fetal Outcomes in Pregnant Patients with NMOSD and MOGAD**
Hla, A., Sarkar, T., McDonald, J., Han, M.
SAGE PUBLICATIONS LTD.2023: 679
- **Longitudinal imaging of microscopic scattering features in the foveal avascular zone of multiple sclerosis using adaptive optics ophthalmoscopy**
Hargrave, A., Navarro, S., Buickians, D., Kipp, L., Han, M., Kowalski, B., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **SARS-CoV-2 Vaccine Immune Response on Anti-Complement Therapy, Eculizumab**
Sattarnejhad, N., Sumera, J., McDonald, J., Nie, E., Tomczak, A., Joseph, Y., Kalle, S., Sarkar, T., Kipp, L., Lock, C., Dunn, J. E., Han, M.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Influence of Body Mass Index on B Lymphocyte Repopulation in Multiple Sclerosis Patients Treated with Anti-CD20 Therapy**
Loeffler, J., Han, M.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Risk of acute stroke in young patients with new-onset lupus nephritis: a case series**
Wu, D., Han, M., Lee, S.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Myelin Oligodendrocyte Glycoprotein Antibody Disease (MOGAD) in conjunction with Allogeneic Bone Marrow Transplantation and Autoimmune Neutropenia: A study of two companion cases and institutional review of the MOGAD clinical phenotype spectrum**
Nie, E., McDonald, J., Dunn, J., Han, M.
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Clinical and epidemiological correlates of treatment change in patients with NMOSD: insights from the CIRCLES cohort.** *Journal of neurology*
Gholizadeh, S., Exuzides, A., Lewis, K. E., Palmer, C., Waltz, M., Rose, J. W., Jolley, A. M., Behne, J. M., Behne, M. K., Blaschke, T. F., Smith, T. J., Sinnott, J., Cook, et al
2022
- **A Novel Mouse Model of Cerebral Demyelination in X-Linked Adrenoleukodystrophy Highlights NLRP3 Activation in Lesion Pathogenesis**
Srivastava, I., Van Haren, K., Hashemi, E., Kaushal, E., Han, M., Lund, T., Bonkowsky, J., Yoseph, E.
WILEY.2022: S174
- **Visualizing Sphingosine-1-Phosphate Receptor 1(S1P1) Signaling During Central Nervous System De- and Remyelination.** *Cellular and molecular neurobiology*
Hashemi, E., Yoseph, E., Tsai, H., Moreno, M., Yeh, L., Mehta, S. B., Kono, M., Proia, R., Han, M. H.
2022
- **Immune cell subset profiling in multiple sclerosis after fingolimod initiation and continued treatment: The FLUENT study.** *Multiple sclerosis journal - experimental, translational and clinical*
Mao-Draayer, Y., Cohen, J. A., Bar-Or, A., Han, M. H., Singer, B., Williams, I. M., Meng, X., Elam, C., Weiss, J. L., Cox, G. M., Ziehn, M., Cree, B. A., FLUENT study investigators
2022; 8 (3): 20552173221115023
- **HLA-DR4-positive Vogt-Koyanagi-Harada (VKH) Syndrome: Review of pathophysiology and clinical correlation (P1-1.Virtual)**
Loeffler, J., Nie, E., Han, M.
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Immune-mediated diseases and thromboembolic events: a modified Delphi panel.** *Current medical research and opinion*
Azimi, N., Caldera, F., Cohen, S., Conners, J., Fernandes, T., Han, M., Strand, V., Tapson, V., Weinberg, A., Weinberg, J., Yarur, A.
2021: 1
- **CD317 puts the brakes on dendritic cell trafficking to the CNS.** *Proceedings of the National Academy of Sciences of the United States of America*
Barnes, S. E., Han, M. H.
2021; 118 (18)
- **Pericytes regulate vascular immune homeostasis in the CNS.** *Proceedings of the National Academy of Sciences of the United States of America*

- Torok, O., Schreiner, B., Schaffenrath, J., Tsai, H., Maheshwari, U., Stifter, S. A., Welsh, C., Amorim, A., Sridhar, S., Utz, S. G., Mildenerger, W., Nassiri, S., Delorenzi, et al
2021; 118 (10)
- **New Therapeutic Landscape in Neuromyelitis Optica.** *Current treatment options in neurology*
Tugizova, M. n., Vlahovic, L. n., Tomczak, A. n., Wetzel, N. S., Han, M. H.
2021; 23 (4): 13
 - **Novel Foveal Features Associated With Vision Impairment in Multiple Sclerosis.** *Investigative ophthalmology & visual science*
Hargrave, A., Sredar, N., Khushzad, F., Yarp, J., Tomczak, A., Han, M., Kipp, L., Dubra, A., Moss, H. E.
2021; 62 (12): 27
 - **In-depth B cell immunophenotyping to monitor response to anti-CD20 therapy in CNS autoimmunity.** *Multiple sclerosis and related disorders*
Su, E., Wetzel, N. S., Oak, J., Kipp, L., Han, M. H.
2020; 46: 102594
 - **Examining the Link Between Autoimmune Disease and Thromboembolic Events: A Modified Delphi Panel Approach**
Azimi, N., Caldera, F., Cohen, S., Conners, J., Fernandes, T., Han, M., Strand, V., Tapson, V., Weinberg, A. S., Weinberg, J., Yarur, A.
LIPPINCOTT WILLIAMS & WILKINS.2020: S454
 - **White-matter-nulled MPRAGE at 7T reveals thalamic lesions and atrophy of specific thalamic nuclei in multiple sclerosis** *MULTIPLE SCLEROSIS JOURNAL*
Planche, V., Su, J. H., Mournet, S., Saranathan, M., Dousset, V., Han, M., Rutt, B. K., Tourdias, T.
2020; 26 (8): 987–92
 - **Novel microscopic foveal pit pathology in multiple sclerosis revealed with adaptive optics ophthalmoscopy**
Hargrave, A., Sredar, N., Razeen, M. M., Khushzad, F., Yarp, J., Leishangthem, L., Tomczak, A., Kipp, L., Han, M., Kowalski, B., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020
 - **Characterization of Retinal vascular changes in Multiple Sclerosis using Adaptive Optics and OCTA**
Khushzad, F., Yarp, J., Hargrave, A., Sredar, N., Mahesh, V., Tomczak, A., Kipp, L., Han, M., Dubra, A., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020
 - **Comparison of visual function and retinal structure between phases of multiple sclerosis**
Yarp, J., Khushzad, F., Leishangthem, L., Mahesh, V., Tomczak, A., Han, M., Kipp, L., Moss, H.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020
 - **Changes in immune cell profile, clinical and safety outcomes in fingolimod-treated patients with relapsing multiple sclerosis in the FLUENT study**
Mao-Draayer, Y., Cohen, J. A., Bar-Or, A., Han, M. H., Singer, B., Jaitly, N., Kolodny, S., Elam, C., Meng, X., Ziehn, M., Cree, B. A. C.
LIPPINCOTT WILLIAMS & WILKINS.2020
 - **Case series: Hearing loss in neuromyelitis optica spectrum disorders.** *Multiple sclerosis and related disorders*
Tugizova, M., Feng, H., Tomczak, A., Steenerson, K., Han, M.
2020; 41: 102032
 - **Emergence of rheumatoid arthritis following exposure to natalizumab.** *Multiple sclerosis and related disorders*
Su Data, E. n., Novic, J. n., Han, M. H.
2020; 40: 101936
 - **Revealing architectural order with quantitative label-free imaging and deep learning.** *eLife*
Guo, S. M., Yeh, L. H., Folkesson, J. n., Ivanov, I. E., Krishnan, A. P., Keefe, M. G., Hashemi, E. n., Shin, D. n., Chhun, B. B., Cho, N. H., Leonetti, M. D., Han, M. H., Nowakowski, et al
2020; 9
 - **The impact of COVID-19 on patients with neuromyelitis optica spectrum disorder; a pilot study.** *Multiple sclerosis and related disorders*
Tomczak, A. n., Han, M. H.
2020; 45: 102347
 - **Collaborative International Research in Clinical and Longitudinal Experience Study in NMOSD.** *Neurology(R) neuroimmunology & neuroinflammation*

Cook, L. J., Rose, J. W., Alvey, J. S., Jolley, A. M., Kuhn, R., Marron, B., Pederson, M., Enriquez, R., Yearley, J., McKechnie, S., Han, M. H., Tomczak, A. J., Levy, et al
2019; 6 (5): e583

- **Immunological Aspects of Approved MS Therapeutics** *FRONTIERS IN IMMUNOLOGY*
Rommer, P. S., Milo, R., Han, M. H., Satyanarayan, S., Sellner, J., Hauer, L., Illes, Z., Warnke, C., Laurent, S., Weber, M. S., Zhang, Y., Stuve, O.
2019; 10
- **Changes in the immune cell profile in fingolimod-treated patients with relapsing multiple sclerosis: primary analysis of the FLUENT study**
Mao-Draayer, Y., Cohen, J., Bar-Or, A., Cree, B. A. C., Han, M., Singer, B., Kolodny, S., Meng, X., Schofield, L., Ziehn, M.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Immune Cell Subset and Biomarker Changes in Patients with Relapsing Multiple Sclerosis Receiving Fingolimod: Interim Analysis of the FLUENT Study**
Mao-Draayer, Y., Cohen, J. A., Bar-Or, A., Cree, B. A. C., Han, M. H., Singer, B. A., Kolodny, S., Meng, X., Schofield, L., Ziehn, M. O.
SAGE PUBLICATIONS LTD.2019: 25
- **White-matter-nulled MPRAGE at 7T reveals thalamic lesions and atrophy of specific thalamic nuclei in multiple sclerosis.** *Multiple sclerosis (Houndmills, Basingstoke, England)*
Planche, V., Su, J. H., Mournet, S., Saranathan, M., Dousset, V., Han, M., Rutt, B. K., Tourdias, T.
2019: 1352458519828297
- **MR susceptibility contrast imaging using a 2D simultaneous multi-slice gradient-echo sequence at 7T.** *PLoS one*
Bian, W., Kerr, A. B., Tranvinh, E., Parivash, S., Zahneisen, B., Han, M. H., Lock, C. B., Goubran, M., Zhu, K., Rutt, B. K., Zeineh, M. M.
2019; 14 (7): e0219705
- **Collaborative International Research in Clinical and Longitudinal Experience Study in NMOSD.** *Neurology(R) neuroimmunology & neuroinflammation*
Cook, L. J., Rose, J. W., Alvey, J. S., Jolley, A. M., Kuhn, R. n., Marron, B. n., Pederson, M. n., Enriquez, R. n., Yearley, J. n., McKechnie, S. n., Han, M. H., Tomczak, A. J., Levy, et al
2019; 6 (5)
- **A case of GFAP-astroglial autoimmunity presenting with reversible parkinsonism.** *Multiple sclerosis and related disorders*
Tomczak, A. n., Su, E. n., Tugizova, M. n., Carlson, A. M., Kipp, L. B., Feng, H. n., Han, M. H.
2019; 39: 101900
- **The FLUENT study design: investigating immune cell subset and neurofilament changes in patients with relapsing multiple sclerosis treated with fingolimod.** *Multiple sclerosis journal - experimental, translational and clinical*
Cohen, J. A., Bar-Or, A., Cree, B. A., Mao-Draayer, Y., Han, M. H., Singer, B., Jannu, A., Kolodny, S., Meng, X., Winger, R. C.
2019; 5 (1): 2055217318819245
- **Myeloid sphingosine-1-phosphate receptor 1 is important for CNS autoimmunity and neuroinflammation.** *Journal of autoimmunity*
Tsai, H. C., Nguyen, K. n., Hashemi, E. n., Engleman, E. n., Hla, T. n., Han, M. H.
2019
- **Molecular signature of Epstein-Barr virus infection in MS brain lesions.** *Neurology(R) neuroimmunology & neuroinflammation*
Moreno, M. A., Or-Geva, N., Aftab, B. T., Khanna, R., Croze, E., Steinman, L., Han, M. H.
2018; 5 (4): e466
- **Molecular signature of Epstein-Barr virus infection in MS brain lesions** *NEUROLOGY-NEUROIMMUNOLOGY & NEUROINFLAMMATION*
Moreno, M. A., Or-Geva, N., Aftab, B. T., Khanna, R., Croze, E., Steinman, L., Han, M. H.
2018; 5 (4)
- **Investigating Immune Phenotype Biomarker Changes in Patients with Relapsing MS Treated with Fingolimod 0.5 mg/day: The FLUENT Study**
Cohen, J., Bar-Or, A., Cree, B., Mao-Draayer, Y., Han, M., Singer, B., Jannu, A., Kolodny, S., Meng, X., Winger, R.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Investigating Immune Phenotype Biomarker Changes in Patients with Relapsing MS Treated with Fingolimod 0.5 Mg/Day: The Fluent Study**
Cohen, J. A., Bar-Or, A., Cree, B. A. C., Mao-Draayer, Y., Han, M. H., Singer, B. A., Jannu, A., Kolodny, S., Meng, X., Winger, R.
SAGE PUBLICATIONS LTD.2018: 14

- **Fibrinogen Activates BMP Signaling in Oligodendrocyte Progenitor Cells and Inhibits Remyelination after Vascular Damage** *NEURON*
Petersen, M. A., Ryu, J., Chang, K., Etxeberria, A., Bardehle, S., Mendiola, A. S., Kamau-Devers, W., Fancy, S. P. J., Thor, A., Bushong, E. A., Baeza-Raja, B., Syme, C. A., Wu, et al
2017; 96 (5): 1003+
- **A 3-Dimensional Hydrogel Model of Multiple Sclerosis Brain Lesions Reveals Insights into Re-Myelination** *JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING*
Baisiwala, S., Moreno, M. A., Wang, C., Rogan, H. A. W., Tsai, H., Yang, F., Han, M. H.
2017; 7 (9): 868–75
- **Phosphorylation of aB-crystallin supports reactive astrogliosis in demyelination.** *Proceedings of the National Academy of Sciences of the United States of America*
Kuipers, H. F., Yoon, J., van Horssen, J., Han, M. H., Bollyky, P. L., Palmer, T. D., Steinman, L.
2017; 114 (9): E1745-E1754
- **Integrative proteomics, genomics, and translational immunology approaches reveal mutated forms of Proteolipid Protein 1 (PLP1) and mutant-specific immune response in multiple sclerosis.** *Proteomics*
Qendro, V., Bugos, G. A., Lundgren, D. H., Glynn, J., Han, M. H., Han, D. K.
2017
- **Imaging B cells in a mouse model of multiple sclerosis using (64)Cu-Rituximab-PET.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
James, M. L., Hoehne, A. n., Mayer, A. T., Lechtenberg, K. n., Moreno, M. n., Gowrishankar, G. n., Ilovich, O. n., Natarajan, A. n., Johnson, E. M., Nguyen, J. n., Quach, L. n., Han, M. n., Buckwalter, et al
2017
- **Exosomal proteome analysis of cerebrospinal fluid detects biosignatures of neuromyelitis optica and multiple sclerosis.** *Clinica chimica acta; international journal of clinical chemistry*
Lee, J., McKinney, K. Q., Pavlopoulos, A. J., Han, M. H., Kim, S., Kim, H. J., Hwang, S.
2016; 462: 118-126
- **In Vivo 7T MR Quantitative Susceptibility Mapping Reveals Opposite Susceptibility Contrast between Cortical and White Matter Lesions in Multiple Sclerosis** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Bian, W., Tranvinh, E., Tourdias, T., Han, M., Liu, T., Wang, Y., Rutt, B., Zeineh, M. M.
2016; 37 (10): 1808-1815
- **Sphingosine-1-Phosphate (S1P) and S1P Signaling Pathway: Therapeutic Targets in Autoimmunity and Inflammation** *DRUGS*
Tsai, H., Han, M. H.
2016; 76 (11): 1067-1079
- **Intravenous Transplantation of Mesenchymal Progenitors Distribute Solely to the Lungs and Improve Outcomes in Cervical Spinal Cord Injury** *STEM CELLS*
White, S. V., Czisch, C. E., Han, M. H., Plant, C. D., Harvey, A. R., Plant, G. W.
2016; 34 (7): 1812-1825
- **Effects of sphingosine-1-phosphate receptor 1 phosphorylation in response to FTY720 during neuroinflammation.** *JCI insight*
Tsai, H., Huang, Y., Garris, C. S., Moreno, M. A., Griffin, C. W., Han, M. H.
2016; 1 (9)
- **Effects of sphingosine-1-phosphate receptor 1 phosphorylation in response to FTY720 during neuroinflammation** *JCI Insight*
Tsai, H.
2016; 1 (9): e86462
- **Acute and Chronic Management of Neuromyelitis Optica Spectrum Disorder** *CURRENT TREATMENT OPTIONS IN NEUROLOGY*
Sherman, E., Han, M. H.
2015; 17 (11)
- **Update on biomarkers in neuromyelitis optica.** *Neurology® neuroimmunology & neuroinflammation*
Melamed, E., Levy, M., Waters, P. J., Sato, D. K., Bennett, J. L., John, G. R., Hooper, D. C., Saiz, A., Bar-Or, A., Kim, H. J., Pandit, L., Leite, M. I., Asgari, et al
2015; 2 (4)

- **HDL-bound sphingosine-1-phosphate restrains lymphopoiesis and neuroinflammation.** *Nature*
Blaho, V. A., Galvani, S., Engelbrecht, E., Liu, C., Swendeman, S. L., Kono, M., Proia, R. L., Steinman, L., Han, M. H., Hla, T.
2015; 523 (7560): 342-346
- **Use of Advanced Magnetic Resonance Imaging Techniques in Neuromyelitis Optica Spectrum Disorder** *JAMA NEUROLOGY*
Kremer, S., Renard, F., Achard, S., Lana-Peixoto, M. A., Palace, J., Asgari, N., Klawiter, E. C., Tenenbaum, S. N., Banwell, B., Greenberg, B. M., Bennett, J. L., Levy, M., Villoslada, et al
2015; 72 (7): 815-22
- **Neuromyelitis optica and multiple sclerosis: Seeing differences through optical coherence tomography** *MULTIPLE SCLEROSIS JOURNAL*
Bennett, J. L., de Seze, J., Lana-Peixoto, M., Palace, J., Waldman, A., Schippling, S., Tenenbaum, S., Banwell, B., Greenberg, B., Levy, M., Fujihara, K., Chan, K. H., Kim, et al
2015; 21 (6): 678-88
- **Patient experience and practice trends in multiple sclerosis - clinical utility of fingolimod** *PATIENT PREFERENCE AND ADHERENCE*
Lee, J., Han, M. H.
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