

## CURRICULUM VITAE

### **Personal information**

Date of completion: 15.06.2023  
Name: Josa Maria Frischer, MD, PhD  
Current position: Associate Professor  
Researcher unique ID: <https://orcid.org/0000-0002-6638-3476>  
Office Address: Department of Neurosurgery, MUV, Waehringer Guertel 18-20, 1090 Vienna  
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### **Higher education and work**

Since 01/2018 *Venia docendi* in neurosurgery: *Applying Gamma Knife radiosurgery as an effective treatment option in modern neurosurgery*  
Since 12/2016 *Associate Professor*, Department of Neurosurgery, MUV, Austria  
Since 10/2016 *Consultant in neurosurgery*, Department of Neurosurgery, MUV, Austria  
03/2015-09/2016 *Residency*, Department of Neurosurgery, Medical University Vienna, Austria  
02/2014 02/2015 *Postdoctoral Research Fellow / Schroedinger Fellow*, Mayo Clinic, Rochester, MN, USA  
11/2012 Admission to the scientific career development program of the Medical University Vienna (“Qualifizierungsvereinbarung”)  
01/2009-02/2014 *Residency*, Department of Neurosurgery, Medical University Vienna, Austria  
06/ 2010 *PhD degree* from the Medical University Vienna  
03/ 2006-01/2009 *PhD student position*, *PhD Program Neuroscience (N094)* at the Center for Brain Research, MUV, Austria; Supervisor: Prof. Dr. H. Lassmann  
03/ 2006 *MD degree* from the Medical University Vienna

### **Functions in clinical administration and medical curriculum**

Since 10/2019 *Senior physician / personnel manager*  
Since 11/2018 *PhD Supervisor* for the CLINS (Clinical Neuroscience) Program N790 at the Medical University Vienna  
Since 12/2016 *Coordinator* for national and international students at Department of Neurosurgery (“KPJ Tertialkoordinatorin” and coordination of national and international observerships and internships)

### **Further functions**

Since 2021	Representative of the consultants, Austrian Society of Neurosurgeons, (Mittelbausprecherin)
Since 2016	Employee representative, Works Council for the scientific university staff at the MUV

### **Selection of awards and grants**

2023	Grant of the Medical Scientific Fund of the Mayor of the City of Vienna (PI)
2020	Grant of the Medical Scientific Fund of the Mayor of the City of Vienna (Co-PI)
2019	VFWF Award for best <i>venia docendi</i> lecture 2018, “Habitationspreis”
2018	Grant of the Medical Scientific Fund of the Mayor of the City of Vienna (PI)
2015	Theodor Koerner Award, Austria
2014	Schroedinger Grant of the FWF (Austrian Science Fund)
2014	ACTRIMS Educational Travel Grant
2013	EANS Travel Grant
2011	Dr. Maria Schaumayer Prize for scientific achievement
2009	First Poster Prize out of 850 posters, ECTRIMS 2009, Düsseldorf, Germany

### **Selection of postgraduate additional training and courses and short scientific leaves**

02/2019	NIDA Clinical Trials Network Certificate Good Clinical Practice
12/2015	Radiation safety course and exam, MA39, Vienna, Austria
02/2013	European Neurosurgical Training Course part III, Krakow, Poland
12/2012	Neurosurgical Anatomy Course, Cambridge, UK
01-11/2012	MLW program of the Medical University Vienna
08/2012	<i>Research Trainee</i> , Mayo Clinic, Rochester, MN, USA
06/2012	European Neurosurgical Hands on Course Lyon, France
06/2012	Neurosurgical Anatomy Course, Cambridge, UK
02/2012	European Neurosurgical Training Course part II, Pécs, Hungary
12/2011	Neurosurgical Anatomy Course, Cambridge, UK
02/2011	European Neurosurgical Training Course part I, Tallin, Estland
10/2009	Intensive Course Neuroanatomy, LMU Munich, Germany
11-12/2008	<i>Research Trainee</i> , Mayo Clinic, Rochester, MN, USA
11/2008	Workshop on CNS Inflammation, Toulouse, France
2005-2008	Biometric Software and Statistical Modeling Courses I – IV, MUV
09/2007	7th European School of Neuroimmunology, Oxford, England

## Bibliography

### First-, last- and corresponding- authorships

Dodier P, Kranawetter B, Hirschmann D, Dogan M, Cho A, Untersteiner H, Göbl P, Gatterbauer B, Wang WT, Dorfer C, Rössler K, Bavinzski G, **Frischer JM**. Outcome of 107 conservatively managed unruptured brain arteriovenous malformations: a single center's 30-year experience. J Neurosurg 2023 Mar 24;1-1, **IF: 5.4**

Cho A, Medvedeva K, Kranawetter B, Untersteiner H, Hirschmann D, Lepilina O, Baulin A, Buschmann M, Ertl A, Marik W, Dorfer C, Rössler K, Gatterbauer B, Ilyalov S, **Frischer JM**. How to dose-stage large or high-risk brain metastases: an alternative two-fraction radiosurgical treatment approach. J Neurosurg. 2022 Apr 15:1-10, **IF: 5.4**

Cho A, Hennenberg J, Untersteiner H, Hirschmann D, Gatterbauer B, Zöchbauer-Müller S, Hochmair MJ, Preusser M, Rössler K, Dorfer C, **Frischer JM\***, Furtner J. Influence of temporal muscle thickness on the outcome of radiosurgically treated patients with brain metastases from non-small cell lung cancer. J Neurosurg. 2022 Feb 4:1-7, **IF: 5.4**, *\*corresponding author*

Cho A, Untersteiner H, Fitschek F, Khalaveh F, Pruckner P, Pavo N, Rössler K, Dorfer C, Gatterbauer B, Höller C, Schmidinger M, **Frischer JM**. The clinical relevance of laboratory prognostic scores for patients with radiosurgically treated brain metastases of non-pulmonary primary tumor. J Neurooncol 2021, **IF: 4.5**

Cho A, Kranawetter B, Untersteiner H, Khalaveh F, Dorfer C, Rössler K, Zöchbauer-Müller S, Gatterbauer B, Hochmair MJ, **Frischer JM**. Neutrophil-to-Lymphocyte Ratio is superior to other leucocyte-based ratios as a prognostic predictor in radiosurgically treated non-small cell lung cancer brain metastases patients under immunotherapy or targeted therapy. World Neurosurg. 2021 Apr 18:S1878-8750, **IF: 2.1**

Cho A, Untersteiner H, Hirschmann D, Fitschek F, Dorfer C, Rössler K, Zöchbauer-Müller S, Gatterbauer B, Hochmair MJ, **Frischer JM**. Pre-radiosurgery leucocyte ratios and modified Glasgow prognostic score predict survival in non-small cell lung cancer brain metastases patients. J Neurooncol. 2021 Jan;151(2):257-265, **IF: 4.5**

Cho A, Untersteiner H, Hirschmann D, Shaltout A, Göbl P, Dorfer C, Rössler K, Marik W, Kirchbacher K, Kapfhammer I, Zöchbauer-Müller S, Gatterbauer B, Hochmair MJ, **Frischer JM**. Gamma Knife Radiosurgery for Brain Metastases in Non-Small Cell Lung Cancer Patients Treated with Immunotherapy or Targeted Therapy. Cancers (Basel). 2020 Dec 7;12(12):3668, **IF: 6.1**

Gatterbauer B, Hirschmann D, Eberherr N, Untersteiner H, Cho A, Shaltout A, Göbl P, Fitschek F, Dorfer C, Wolfsberger S, Kasprian G, Höller C, **Frischer JM**. Toxicity and efficacy of Gamma Knife radiosurgery for brain metastases in melanoma patients treated with immunotherapy or targeted therapy-A retrospective cohort study. Cancer Med. 2020 Jun;9(11):4026-4036, **IF: 3.4**

Hirschmann D, Göbl P, Witte FH, Gatterbauer B, Wang WT, Dodier P, Bavinzski G, Ertl A, Marik W, Rötzer T, Eisner W, Kitz K, **Frischer JM**. Evaluation of the radiosurgical treatment of cerebral arteriovenous malformations – a single-center analysis of three decades. *J Neurointerv Surg*. 2020 Apr;12(4):401-406, **IF: 8.6**

**Frischer JM**, Gruber E, Schöffmann V, Ertl A, Höftberger R, Mallouhi A, Wolfsberger S, Arnoldner C, Eisner W, Knosp E, Kitz K, Gatterbauer B. Long-term outcome after Gamma Knife radiosurgery for acoustic neuroma of all Koos grades: a single-center study. *J Neurosurg*. 2018 Mar 2:1-10, **IF: 5.4**

Gatterbauer B, Gevsek S, Höftberger R, Lütgendorf-Caucig C, Ertl A, Mallouhi A, Kitz K, Knosp E, **Frischer JM**. Multimodal treatment of parasagittal meningiomas – a single-center experience. *J Neurosurg*. 2017 Feb 3:1-8. **IF: 5.4**

**Frischer JM**, Marosi C, Wöhrer A, Hainfellner JA, Dieckmann K, Eiter H, Wang WT, Mallouhi A, Ertl A, Knosp E, Filipits M, Kitz K, Gatterbauer B. Gamma Knife radiosurgery in recurrent glioblastoma. *Stereotact Funct Neurosurg*. 2016;94(4):265-272. **IF 1.7**

**Frischer JM**, Fraller A, Mallouhi A, Vogl UM, Baier F, Ertl A, Preusser M, Knosp E, Kitz K, Gatterbauer B. Evaluation of a dose-staged Gamma Knife radiosurgical treatment method for high-risk brain metastases. *World Neurosurg*. 2016 Oct;94:352-359 **IF: 2.1**

**Frischer JM**, Weigand SD, Guo Y, Kale N, Parisi JE, Pirko I, Mandrekar J, Bramow S, Metz I, Brück W, Lassmann H, Lucchinetti CF. Clinical and pathological insights into the dynamic nature of the white matter multiple sclerosis plaque. *Ann Neurol*. 2015 Nov;78(5):710-21 **Publication results from Schroedinger Fellowship; IF: 10.2**

Haider L, Simeonidou C, Steinberger G, Hametner S, Grigoriadis N, Deretzi G, Kovacs G, Kutzelnigg A, Lassmann H, **Frischer JM**. Multiple Sclerosis Deep Grey Matter: The Relation between Demyelination, Inflammation, Oxidative Stress, and Iron. *J Neurol Neurosurg Psychiatry*. 2014 Dec;85(12):1386-95 **IF: 13.7**

**Frischer JM**, Gatterbauer B, Holzer S, Stavrou I, Gruber A, Trattinig S, Mert A, Wang WT, Hainfellner JA, Mallouhi A, Kitz K, Knosp E. Microsurgery and Radiosurgery in Brainstem and Thalamus Cavernomas: Effective and complementary treatment options. *World Neurosurg*. 2014 Mar-Apr;81(3-4):520-528 **IF: 2.1**

**Frischer JM**, Reindl M, Lautner R, Künz B, Schmidt S, Milford EL, Berger T, Lassmann H, Utku N. TIRC7 & HLA-DR axis contributes to inflammation in Multiple Sclerosis. *Mult Scler*. 2014 Aug;20(9):1171-81 **IF: 5.3**

**Frischer JM**, Göd S, Gruber A, Saringer W, Grabner G, Gatterbauer B, Kitz K, Holzer S, Kronnerwetter C, Hainfellner JA, Knosp E, Trattinig S. Susceptibility-weighted imaging at 7 T: Improved diagnosis of cerebral cavernous malformations and associated developmental venous anomalies. *NeuroImage: Clinical* 2012;1:116–120 **IF: 3.9**

Bramow S, **Frischer JM\***, Lassmann H, Koch-Henriksen N, Lucchinetti CF, Sørensen PS, Laursen H. Demyelination versus remyelination in progressive multiple sclerosis. *Brain*. 2010 Oct;133(10):2983-98. \*contributed equally, **Publication results from PhD thesis; IF: 10.8**

**Frischer JM**, Bramow S, Dal-Bianco A, Lucchinetti CF, Rauschka H, Schmidbauer M, Laursen H, Sorensen PS, Lassmann H. The relation between inflammation and neurodegeneration in multiple sclerosis brains. *Brain*. 2009 May;132(Pt 5):1175-89. **Publication results from PhD thesis; IF: 10.8**

**Frischer JM**, Pipp I, Stavrou I, Trattinig S, Hainfellner JA, Knosp E. Cerebral cavernous malformations: congruency of histopathological features with the current clinical definition. *J Neurol Neurosurg Psychiatry*. 2008 Jul;79(7):783-8. **Publication results from MD thesis; IF: 13.7**

### **Co-authorships**

Hirschmann D, Czech T, Roessler K, Krachsberger P, Paliwal S, Ciobanu-Caraus O, Cho A, Peyrl A, Feucht M, **Frischer JM**, Dorfer C. How can we optimize the long-term outcome in children with intracranial cavernous malformations? A single-center experience of 61 cases. *Neurosurg Rev*. 2022 Oct;45(5):3299-3313, **IF:3.4**

Haider L, Hametner S, Endmayr V, Mangesius S, Eppensteiner A, **Frischer JM**, Iglesias JE, Barkhof F, Kasprian G. Post-mortem correlates of Virchow-Robin spaces detected on in vivo MRI. *J Cereb Blood Flow Metab*. 2022 Jul;42(7):1224-1235; **IF:6.0**

Tobin WO, Kalinowska-Lyszczarz A, Weigand SD, Guo Y, Tosakulwong N, Parisi J, Metz I, **Frischer JM**, Lassmann H, Brück W, Linbo L, Lucchinetti CF. Clinical correlation of multiple sclerosis immunopathological subtypes. *Neurology*. 2021 Nov 9;97(19):e1906-e1913, **IF:8.5**

Dodier P, Wang WT, Hosmann A, Hirschmann D, Marik W, **Frischer JM**, Gruber A, Rössler K, Bavinzski G. Combined standard bypass and parent artery occlusion for management of giant and complex internal carotid artery aneurysms. *J Neurointerv Surg*. 2022 Jun;14(6):593-598, **IF: 8.6**

Metz I, Gavrilova RH, Weigand SD, **Frischer JM**, Popescu BF, Guo Y, Gloth M, Tobin WO, Zalewski NL, Lassmann H, Tillema JM, Erickson BJ, Parisi JE, Becker S, König FB, Brück W, Lucchinetti CF. Magnetic Resonance Imaging Correlates of Multiple Sclerosis Immunopathological Patterns. *Ann Neurol*. 2021 Sep;90(3):440-454, **IF: 10.4**

Hirschmann D, Kranawetter B, Tomschik M, Wais J, Winter F, **Frischer JM**, Millesi M, Herta J, Roessler K, Dorfer C. New-onset seizures after cranioplasty-a different view on a putatively frequently observed phenomenon. *Acta Neurochir* 2021 May;163(5):1437-1442, **IF: 1.8**

Tham M, **Frischer JM**, Weigand SD, Fitz-Gibbon PD, Webb SM, Guo Y, Adiele RC, Robinson CA, Brück W, Lassmann H, Furber KL, Pushie MJ, Roach CM, Parisi JE, Lucchinetti CF, Popescu BF. Iron heterogeneity in early active multiple sclerosis lesions. *Ann Neurol*. 2021 Mar;89(3):498-510, **IF: 10.2**

Micko A, Rötzer T, Hoftberger R, Vila G, Oberndorfer J, **Frischer JM**, Knosp E, Wolfsberger S. Expression of additional transcription factors is of prognostic value for aggressive behavior of pituitary adenomas. *J Neurosurg.* 2020 Apr 17;1: **IF: 5.4**

Dodier P, Auzinger T, Mistelbauer G, Wang WT, Ferraz-Leite H, Gruber A, Marik W, Winter F, Fischer G, **Frischer JM**, Bavinzski G. Novel software-derived workflow in EC-IC bypass surgery validated by transdural ICG videoangiography. *World Neurosurg.* 2020 Feb;134:e892-e902, **IF 2.1**

Başaran AE, Kiesel B, **Frischer JM**, Furtner J, Wöhrer A, Dieckmann K, Dorfer C. Intrameningioma Metastasis: A Wolf in Sheep's Clothing? Experience from a Series of 7 Cases. *World Neurosurg.* 2019 Dec;132, **IF: 2.1**

Steindl A, Schlieter F, Klikovits T, Leber E, Gatterbauer B, **Frischer JM**, Dieckmann K, Widhalm G, Zöchbauer-Müller S, Reza Hoda MA, Preusser M, Berghoff AS. Prognostic assessment in patients with newly diagnosed small cell lung cancer brain metastases: results from a real-life cohort. *J Neurooncol.* 2019 Oct;145(1):85-95. **IF 3.1**

Dodier P, Winter F, Auzinger T, Mistelbauer G, **Frischer JM**, Wang WT, Mallouhi A, Marik, M, Wolfsberger S, Reissig L, Hammadi F, Kiesel B, Matula C, Baumann A, Bavinzski G. Single-stage bone resection and cranioplastic reconstruction: comparison of a novel software-derived PEEK workflow with the standard reconstructive method. *Int J Oral Maxillofac Surg.* 2019 Dec 20. **IF 2.2**

Hosmann A, Micko A, **Frischer JM**, Roetzer T, Vila G, Wolfsberger S, Knosp E. Multiple Pituitary Apoplexy-Cavernous Sinus Invasion as Major Risk Factor for Recurrent Hemorrhage. *World Neurosurg.* 2019 Mar 7. **IF: 2.1**

Dodier P, **Frischer JM**, Wang WT, Auzinger T, Mallouhi A, Serles W, Gruber A, Knosp E, Bavinzski G. Immediate Flow Disruption as a Prognostic Factor After Flow Diverter Treatment: Long-Term Experience with the Pipeline Embolization Device. *World Neurosurg.* 2018 Feb 23. **IF: 2.1**

Vogl UM, Öhler L, Rasic M, **Frischer JM**, Modak M, Stöckl J. Evaluation of Prognostic Immune Signatures in Patients with Breast, Colorectal and Pancreatic Cancer Receiving Chemotherapy. *Anticancer Res.* 2017 Apr;37(4):1947-1955. **IF: 1.9**

Popescu BF, **Frischer JM**, Webb SM, Tham M, Adiele RC, Robinson CA, Fitz-Gibbon PD, Weigand SD, Metz I, Nehzati S, George GN, Pickering IJ, Brück W, Hametner S, Lassmann H, Parisi JE, Yong G, Lucchinetti CF. Pathogenic implications of distinct patterns of iron and zinc in chronic MS lesions. *Acta Neuropathol.* 2017 Jul;134(1):45-64. **IF: 15.8**

Metz I, Weigand SD, Popescu BF, **Frischer JM**, Parisi JE, Guo Y, Lassmann H, Brück W, Lucchinetti CF. Pathologic heterogeneity persists in early active multiple sclerosis lesions. *Ann Neurol.* 2015 Nov;78(5):710-21 **IF: 10.2**

Stefanits H, Matula C, **Frischer JM**, Furtner J, Hainfellner JA, Woehrer A. Innervated ectopic salivary gland associated with Rathke's cleft cyst clinically mimicking pituitary adenoma. *Clin Neuropathol*. 2013 May-Jun;32(3):171-5. **IF: 1.0**

Fischer MT, Sharma R, Lim JL, Haider L, **Frischer JM**, Drexhage J, Mahad D, Bradl M, van Horssen J, Lassmann H. NADPH oxidase expression in active multiple sclerosis lesions in relation to oxidative tissue damage and mitochondrial injury. *Brain*. 2012 Mar;135(Pt 3):886-99 **IF: 10.8**

Zambonin JL, Zhao C, Ohno N, Campbell GR, Engeham S, Ziabreva I, Schwarz N, Lee SE, **Frischer JM**, Turnbull DM, Trapp BD, Lassmann H, Franklin RJ, Mahad DJ. Increased mitochondrial content in remyelinated axons: implications for multiple sclerosis. *Brain*. 2011 Jul;134(Pt 7):1901-13. **IF: 10.8**

Haider L, Fischer MT, **Frischer JM**, Bauer J, Höftberger R, Botond G, Esterbauer H, Binder CJ, Witztum JL, Lassmann H. Oxidative damage in multiple sclerosis lesions. *Brain*. 2011 Jul;134(Pt 7):1914-24. **IF: 10.8**

Grigoriadis N, Loubopoulos A, Lagoudaki R, **Frischer JM**, Polyzoidou E, Touloumi O, Simeonidou C, Deretzi G, Kountouras J, Spandou E, Kotta K, Karkavelas G, Tascos N, Lassmann H. Variable behavior and complications of autologous bone marrow mesenchymal stem cells transplanted in experimental autoimmune encephalomyelitis. *ExpNeurol*. 2011 Jul;230(1):78-89. **IF: 4.5**

Vogl UM, Bojic M, Lamm W, **Frischer JM**, Pichelmayer O, Kramer G, Haitel A, Kitz K, Harmankaya K, Zielinski CC, Schmidinger M. Extracerebral metastases determine the outcome of patients with brain metastases from renal cell carcinoma. *BMC Cancer*. 2010 Sep 7;10:480. **IF: 3.3**

Dal Bianco A, Bradl M, **Frischer J**, Kutzelnigg A, Jellinger K, Lassmann H. Multiple sclerosis and Alzheimer's disease. *Ann Neurol*. 2008 Feb;63(2):174-83. **IF: 10.2**

Stavrou I, Baumgartner C, **Frischer JM**, Trattig S, Knosp E. Long-term Seizure Control after Resection of Supratentorial Cavernomas: A Retrospective Single-center Study in 53 Patients. *Neurosurgery*. 2008 Nov;63(5):888-96; discussion 897. **IF: 5.3**

### **Book chapters**

Peyrl A, **Frischer J**, Hainfellner JA, Preusser M, Dieckmann K, Marosi C. Brain tumors - other treatment modalities. In: Kovacs GG, Alafuzoff I, eds., *Neuropathology*, San Diego: Elsevier BV, 2017;145:547-560

### **Other, non-peer-reviewed publications**

Frischer JM. Die Gamma Knife Radiochirurgie von Hirnmetastasen. *Krebs:hilfe Zeitschrift* 05/2018

## **Selection of oral presentations and invited lectures**

**Invited Speaker:** The radiosurgical treatment of arteriovenous malformations. Symposium - Hybrid Cerebrovascular Surgery and Intervention, May 2023, Vienna, Austria

**Invited Speaker:** The radiosurgical treatment of vestibular schwannoma - outcome and complications. The International Stereotactic Radiosurgery Society (ISRS) webinar, April 2023

**Invited Speaker:** The radiosurgical treatment of arteriovenous malformations. The EANS webinar: Multidisciplinary approach for cerebral AVMs, March 2023

How to dose-stage large or high risk brain metastases - an alternative two-fraction radiosurgical treatment approach. ISRS Conference, June 2022, Milano, Italy

New ways in the radiosurgical treatment of brain metastases - immunotherapy and targeted therapy: friend or foe? Annual Meeting of the Austrian Society of Neurosurgeons, October 2019, Vienna, Austria

**Invited Speaker:** AVM – Diagnosis and therapy. Spins to Diagnosis Meeting, May 2019, Vienna, Austria

**Invited Speaker:** Gamma Knife Radiosurgery in cerebral AVM treatment. Meeting of the Section of Cerebrovascular Neurosurgery of the Austrian Society of Neurosurgeons, May 2019, Salzburg, Austria

**Invited Speaker:** Gamma Knife Radiosurgery in cerebral AVM treatment. Annual Meeting of the Austrian Society of Neuroradiology, November 2018, Vienna, Austria

**Invited Speaker:** Interdisciplinary management of patients with AVM hemorrhage. Annual Meeting of the Section of Neurointensive Care and Neurotraumatology of the Austrian Society of Neurosurgeons, September 2018, Vienna, Austria

**Invited Speaker:** Gamma Knife Radiosurgery in cerebral AVM treatment. Meeting of the Section of Functional Neurosurgery and Radiosurgery of the Austrian Society of Neurosurgeons, May 2018, Vienna, Austria

**Invited Speaker:** Gamma Knife Radiosurgery for acoustic neuromas. Meeting of the Section of Functional Neurosurgery and Radiosurgery of the Austrian Society of Neurosurgeons, May 2018, Vienna, Austria

**Invited Speaker:** Cerebral metastases: Hypofractionation or staged treatment – an overview of the literature and how I do it. European Leksell Gamma Knife Society Meeting, November 2017, Rome, Italy

**Invited Speaker:** Radiosurgical treatment for brain metastases. ANCO, March 2017, Innsbruck, Austria

The radiosurgical treatment of acoustic neuromas through the ages. Annual Meeting of the Austrian Society of Neurosurgeons, October 2016, Linz, Austria

Gamma Knife Radiosurgery in parasagittal meningioma treatment. Joint Meeting of the Sections of Functional Neurosurgery and Radiosurgery of the Austrian and German Societies of Neurosurgeons, February 2016, Innsbruck, Austria

MS Progression: An Immunopathological Perspective. Multiple Sclerosis and Neuromyelitis Optica Symposium Mayo Clinic Arizona, February 2015, Arizona, USA

Multiple Sclerosis Deep Grey Matter: The Relation between Demyelination, Neurodegeneration, Inflammation and Iron. ACTRIMS/ECTRIMS September 2014, Boston, USA Multiple Sclerosis Journal 2014; 20: (S1) 14–66

Evaluation of Treatment Options for Brainstem Cavernomas. Mai 2014, Leksell Gamma Knife Society Meeting, New York, USA

**Invited Speaker:** Neuropathology of Multiple Sclerosis. AAN Annual Meeting, April 2014, Philadelphia, USA

Microsurgery and Radiosurgery for Brainstem Cavernomas: Effective and Complementary Treatment Options. Oct. 2013, Annual Conference of the Austrian Society of Neurosurgeons, Innsbruck, Austria. J Neurol Neurochir Psychiatr 2013; 14, Sonderheft 1: p18

Gamma Knife Radiosurgery is a safe last-line treatment option for recurrent glioblastoma. October 2013, Annual Conference of the Austrian Society of Neurosurgeons, Innsbruck, Austria. J Neurol Neurochir Psychiatr 2013; 14, Sonderheft 1: p11

Updating the Diagnosis of Cerebral Cavernous Malformations with 7Tesla Magnetic Resonance Imaging – A Prospective Study. WFNS World Congress of Neurosurgery, September 2013, Seoul, Korea

Gamma Knife Radiosurgery is a safe last-line treatment option for recurrent glioblastoma. WFNS World Congress of Neurosurgery, September 2013, Seoul, Korea

Cerebral cavernous malformations: does susceptibility-weighted imaging at 7 Tesla MRI increase the sensitivity of pre-operative information and provide new insights in lesion dynamics? October 2012, Annual Conference of the Austrian Society of Neurosurgeons, Graz, Austria

Cerebral cavernous malformations: does susceptibility-weighted imaging at 7 Tesla MRI increase the sensitivity of pre-operative information and provide new insights in lesion dynamics? – Preliminary results. October 2011, EANS Annual Meeting Rome, Italy; Acta Neurochir (2011) 153:1833–1905: 1862

**Invited Speaker:** There is no degenerative disorder in MS other than that due to inflammation? MS Research Symposium, September 2011, Dublin, Ireland

**Invited Speaker:** Inflammation versus neurodegeneration in progressive MS. November 2010, National Romanian MS Conference, Iasi, Romania

**Invited Speaker to main auditorium:** Inflammation versus neurodegeneration in progressive multiple sclerosis.ECTRIMS October 2010 Gothenburg, Sveden; *Mult Scler*, October 2010; Vol. 16, 10 suppl: pp. S7-S352.

**Invited speaker:** Is MS burning out? Symposium of the Austrian Neurological Society June 2009, Vienna Austria

Neuroinflammation and Neurodegeneration in Multiple Sclerosis. 9th European Congress of Neuropathology, May 2008, Athens, Greece. *Clinical Neuropathology*, Vol. 27 – No. 3/ 2008

Neuroinflammation and Neurodegeneration in Multiple Sclerosis. 4th PhD Symposium May 2008, Medical University Austria

Progressive Multiple Sclerosis. Ringberg Symposium of the Max Planck Institute of Neurobiology, January 2008, Ringberg, Tegernsee, Germany.

Cerebral cavernous malformations: is the current definition totally applicable? November 2007, Annual Conference of the Austrian Society of Neurosurgeons. Salzburg, Austria

#### **Selection of conference abstracts as co-author**

B. Gatterbauer, N. Eberherr, F. Fitschek, **J.M. Frischer**. Toxicity and efficacy of Gamma Knife radiosurgery for brain metastases in melanoma patients with immune therapy. European Society for Stereotactic and Functional Neurosurgery (ESSFN), September 2018, Edinburgh, United Kingdom

E. Knosp, **J.M. Frischer**, B. Gatterbauer. Multimodal treatment of parasagittal meningiomas – a single center experience. EANS Annual Meeting, September 2016, Athens, Greece

I. Metz, S. Weigand, B. Popescu, C. Stadelmann, **J. Frischer**, J. Parisi, Y. Guo, H. Lassmann, W. Brück, C. Lucchinetti. Immunopathologic heterogeneity persists in early active multiple sclerosis lesions.ECTRIMS, October 2013, Copenhagen, Denmark. *Multiple Sclerosis Journal* 2013; 19: (S1) 18–73

S. Bramow, **J.M. Frischer**, H. Lassmann, P.S. Sørensen, H. Laursen. Diffuse inflammation is associated with less permanent remyelination and reduced survival in progressive multiple sclerosis.ECTRIMS, October 2013, Copenhagen, Denmark. *Multiple Sclerosis Journal* 2013; 19: (S1) 18–73

**J.M. Frischer**, B. Gatterbauer, A. Gruber, K. Novak, A. Reinprecht, A. Mert, A. Mallouhi, K. Kitz, E. Knosp. Microsurgery and Radiosurgery in Brainstem Cavernomas: Alternative or Complimentary Treatment Options? WFNS World Congress of Neurosurgery, September 2013, Seoul, Korea

S. Bramow, **J. Frischer**, P. Sorensen, H. Lassmann, H. Laursen. Increased Inflammation in Diffusely Injured White Matter and in Remyelinated Plaques Correlates with Active Demyelination in Progressive Multiple Sclerosis S. American Academy of Neurology 61<sup>st</sup> Annual Meeting 2009, Seattle, Washington State, USA

S. Bramow, **J.M. Frischer**, H. Laursen, N. Koch-Henriksen, H. Lassmann, P.S. Soerensen Progressive multiple sclerosis: inflammatory demyelination correlates with the rate of clinical progression prior to death. ECTRIMS, September 2009, Düsseldorf, Germany. Multiple Sclerosis Journal September 2009 15: S5-S29.

Stavrou I, **Frischer J**, Wolfsberger S, Trattng S, Böcher – Schwarz H, Knosp E. Cavernous malformations and epileptic seizures: preoperative course and long-term follow up. 57th Annual Meeting of the German Society of Neurosurgery, May 2006, Essen, Deutschland

Stavrou I, **Frischer J**, Wolfsberger S, Böcher – Schwarz H, Knosp E. „Longterm-follow up in patients with brainstem cavernous malformations.“ Title and abstract in German. ÖGNC Jahrestagung 2005, Feldkirch, Austria. J Neurol. Neurochir. Psychiatr. 2005; Sonderheft 1: 32 –33

#### **Selection of posters at international conferences**

Cho A, Krachsberger P, Paliwal S, Ciobanu-Caraus O, Goebel P, Hirschmann D, Gatterbauer B, Dorfer C, **Frischer JM**. Radiosurgical versus conservative management in cerebral cavernous malformations - a retrospective analysis. ISRS Conference, June 2022, Milano, Italy

**J.M. Frischer**, S. Gevsek, A. Ertl, A. Mallouhi, E. Knosp, K. Kitz, B. Gatterbauer. Gamma Knife Radiosurgery in the treatment of parasagittal meningiomas. Leksell Gamma Knife Society Meeting, May 2016, Amsterdam, Netherlands

**J.M. Frischer**, B. Gatterbauer, S. Holzer, A. Gruber, A. Mert, A. Mallouhi, K. Kitz, E. Knosp. Microsurgery and Radiosurgery for brainstem cavernomas: Effective and complimentary treatment options. EANS Annual Meeting, November 2013, Tel Aviv, Israel

**J.M. Frischer**, C. Marosi, A. Wöhrer, A. Gruber, A. Mallouhi, E. Knosp, K. Kitz, B. Gatterbauer. Gamma Knife Radiosurgery as a safe last-line treatment option for recurrent glioblastoma. EANS Annual Meeting, November 2013, Tel Aviv, Israel

**J.M. Frischer**, M. Reindl, R. Lautner, B. Künz, T. Berger, E.L. Milford, H. Lassmann, N. Utku. TIRC7 and HLA-DR axis contributes to inflammation in multiple sclerosis. ECTRIMS, October 2013, Copenhagen, Denmark. Multiple Sclerosis Journal 2013; 19: (S1): 74-558

**J.M. Frischer**, S. Bramow, A. Dal-Bianco, C. Lucchinetti, H. Rauschka, M. Schmidbauer, H. Laursen, P.S. Sørensen, H. Lassmann. Interdependence of inflammation and neurodegeneration. Or: is there really neurodegeneration occurring independently from inflammation in multiple sclerosis. ECTRIMS,

September 2009, Duesseldorf, Germany. Multiple Sclerosis Journal September 2009; vol. 15, 9 suppl: pp. S151-S269; **First Poster Prize out of 850 posters**

S. Bramow, **J. Frischer**, P. Sorensen, H. Lassmann, N. Koch-Henriksen, H. Laursen. Remyelinated Plaques in Progressive Multiple Sclerosis Are Susceptible to Second Hit Active Demyelination. American Academy of Neurology 61<sup>st</sup> Annual Meeting Seattle, Washington State, USA 2009; P03.058

**J. M. Frischer**, S. Bramow, A. Dal-Bianco, J. Bauer, H. Laursen, H. Lassmann. Interdependence of inflammation and neurodegeneration in progressive Multiple Sclerosis. Joint annual meeting of the Austrian and the German societies for immunology (ÖGAI), September 2008; Vienna, Austria