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**PROFESSIONAL CAREER**

Since 08/2021	W1 Professor – Translational Neurology
01/2014 – 07/2021	Clinician Scientist, Research Associate, Department of Neurology University Medical Center of the Johannes Gutenberg University Mainz
2019	EMG-Certificate of the German Society for Clinical Neurophysiology (DGKN)
2007-2013	Study of Medicine, University of Münster, Germany

SCIENTIFIC CAREER

Since 12/2020	Principal investigator SFB/CRC-TR 128 - <i>Initiating / effector versus regulatory mechanisms in Multiple Sclerosis – progress towards tackling the disease.</i>
Since 03/2019	Else Kröner-Memorial-Stipend
03/2015-06/2015	Visiting Scientist: Centre de Recherche de CHUM, Université de Montréal, Neuroimmunology Laboratory, Montreal, Canada (Prof. A. Prat)
11/2013	Medical thesis, University of Münster, Department of Cardiology and Angiology, Supervisor: Prof. Dr. Med. Lars Eckardt Title: Antiarrhythmic effect of ranolazine in combination with class III drugs in an experimental whole heart model of atrial fibrillation

RESEARCH INTERESTS

- Value of the Blood Brain Barrier for neuronal integrity in animal models of Multiple Sclerosis (experimental autoimmune encephalomyelitis – EAE) and cerebral ischemia (Middle cerebral artery occlusion – MCAO).
- Translation of markers for Blood Brain Barrier integrity (EGFL7) and neuroaxonal damage (NfL) as prognostic and diagnostic tools in the clinical context of neuroimmunologic and ischemic disorders of the CNS.
- Answer clinical-derived questions of patients with cerebral ischemia (Heart and Brain axis) and Multiple Sclerosis in the context of prospective multicenter studies and randomized trials.

HONOURS / AWARDS

2020	Paul Dudley White International Scholar Award – American Stroke Association
2019	Boehringer-Ingelheim Preis
2019	Junior Investigator Travel Grant – International Stroke Conference
2008-2013	Fellow of the Studienstiftung des deutschen Volkes

REVIEWER Neurology, Stroke, Scientific Reports, Journal of the Neurological Sciences, Frontiers in Neurology, Frontiers Neuroscience, BMC Neurology.

CURRENT PROFESSIONAL ACTIVITIES

- Editor Frontiers in Neurology
- Steering Committee German Stroke Registry

PUBLICATIONS (*,§ equally contributing)

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2021. Thrombectomy in Extensive Stroke May Not Be Beneficial and Is Associated With Increased Risk for Hemorrhage. **Stroke**. 2021 Sep 2;STROKEAHA120033101. doi: 10.1161/STROKEAHA.120.033101. Online ahead of print.

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2021. Endovascular Treatment for Acute Stroke in Cerebral Amyloid Angiopathy. **Stroke**. 2021 Aug 20;STROKEAHA120033014. doi: 10.1161/STROKEAHA.120.033014. Online ahead of print.

SPACE-2 Investigators (Uphaus T, as part of the study group). 2021. Contralateral Stenosis and Echolucent Plaque Morphology are Associated with Elevated Stroke Risk in Patients Treated with Asymptomatic Carotid Artery Stenosis within a Controlled Clinical Trial (SPACE-2). **J Stroke Cerebrovasc Dis**. 2021 Sep;30(9):105940. doi: 10.1016/j.jstrokecerebrovasdis.2021.105940. Epub 2021 Jul 24.

Seitz CB, Steffen F, Muthuraman M, Uphaus T, Krämer J, Meuth SG, Albrecht P, Groppa S, Zipp F, Bittner S, Fleischer V. Serum neurofilament levels reflect outer retinal layer changes in multiple sclerosis. **Ther Adv Neurol Disord**. 2021 May 25;14:17562864211003478. doi: 10.1177/17562864211003478. eCollection 2021.

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2021. Late Thrombectomy in Clinical Practice: Retrospective Application of DAWN/DEFUSE3 Criteria within the German Stroke Registry. **Clin Neuroradiol**. 2021 Sep;31(3):799-810. doi: 10.1007/s00062-021-01033-1. Epub 2021 Jun 7.

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2021. Number of Retrieval Attempts Rather Than Procedure Time Is Associated With Risk of Symptomatic Intracranial Hemorrhage. **Stroke**. 2021 May;52(5):1580-1588. doi: 10.1161/STROKEAHA.120.031242. Epub 2021 Apr 5.

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2021. Tandem Lesions in Anterior Circulation Stroke: Analysis of the German Stroke Registry-Endovascular Treatment. **Stroke**. 2021 Apr;52(4):1265-1275. doi: 10.1161/STROKEAHA.120.031797. Epub 2021 Feb 16.

German Stroke Registry – Endovascular Treatment (GSR-ET, [Uphaus T](#), as part of the study group). 2021. Good Clinical Outcome Decreases With Number of Retrieval Attempts in Stroke Thrombectomy: Beyond the First-Pass Effect. **Stroke**. 2021 Jan;52(2):482-490. doi: 10.1161/STROKEAHA.120.029830. Epub 2021 Jan 20.

Sadlonova M, Wasser K, Nagel J, Weber-Krüger M, Gröschel S, [Uphaus T](#), Liman J, Hamann GF, Kermer P, Gröschel K, Hermann-Lingen C, Wachter R. 2021. Health-related quality of life, anxiety and depression up to 12 months post-stroke: influence of sex, age, stroke severity and atrial fibrillation – a longitudinal subanalysis of the Find-AF randomized trial. **J Psychosom Res**. Jan 2;142:110353.

German Stroke Registry – Endovascular Treatment (GSR-ET, [Uphaus T](#), as part of the study group). 2021. Tandem Lesions in Anterior Circulation Stroke: Analysis of the German Stroke Registry-Endovascular Treatment. **Stroke**. Feb 16;STROKEAHA120031797. Online ahead of print.

German Stroke Registry – Endovascular Treatment (GSR-ET, [Uphaus T](#), as part of the study group). 2021. Good Clinical Outcome Decreases With Number of Retrieval Attempts in Stroke Thrombectomy: Beyond the First-Pass Effect. **Stroke**. Jan;52(2):482-490.

German Competence Network Multiple Sclerosis (KKNMS, [Uphaus T](#), as part of the study group). 2021. Sunlight exposure exerts immunomodulatory effects to reduce multiple sclerosis severity. **Proc Natl Acad Sci U S A**. Jan 5;118(1):e2018457118.

Ouédraogo O, Rébillard RM, Jamann H, Mamane VH, Clénet ML, Daigneault A, Lahav B, [Uphaus T](#), Steffen F, Bittner S, Zipp F, Bérubé A, Lapalme-Remis S, Cossette P, Nguyen DK, Arbour N, Keezer MR, Larochelle C. 2021. Increased frequency of proinflammatory CD4 T cells and pathological levels of serum neurofilament light chain in adult drug-resistant epilepsy. **Epilepsia**. Jan;62(1):176-189.

German Stroke Registry – Endovascular Treatment (GSR-ET, [Uphaus T](#), as part of the study group). 2020. Sex Differences in Outcome After Thrombectomy for Acute Ischemic Stroke are Explained by Confounding Factors. **Clin Neuroradiol**. Dec 21. Doi:10.1007/s00062-020-00983-2.

German Stroke Registry – Endovascular Treatment (GSR-ET, [Uphaus T](#), as part of the study group). 2020. Safety and efficacy of mechanical thrombectomy in infective endocarditis: A matched case-control analysis from the German Stroke Registry-Endovascular Treatment. **Eur J Neurol**. Mar;28(3):861-867.

Gröschel K, [Uphaus T](#), Loftus I, Poppert H, Diener HC, Zobel J, Münch G. 2020. Revacept, an Inhibitor of Platelet Adhesion in symptomatic Carotid Artery Stenosis: Design and Rationale of a Randomized Phase II Clinical Trial. **TH Open**. Nov 30;4(4):e393-399.

Tiedt S[§], Bode FJ[§], [Uphaus T](#)[§], Alegiani A, Gröschel K, Petzold GC. 2020. Impact of the COVID-19-pandemic on thrombectomy services in Germany. **Neurol Res Pract**. Nov. 23;2:44.

German Stroke Registry – Endovascular Treatment (GSR-ET, [Uphaus T](#), as part of the study group). 2020. Early clinical surrogates for outcome prediction after stroke thrombectomy in daily clinical practice. **J Neurol Neurosurg Psychiatry**. Oct;91(10):1055-1059.

[Uphaus T](#), Gröschel S, Hayani E, Hahn M, Steffen F, Gröschel K. 2020. Stroke Care within the COVID-19 Pandemic-Increasing awareness of Transient and Mild Stroke Symptoms needed. **Front Neurol**. Oct 9;11:581394.

Gröschel S, Lange B, Wasser K, Hahn M, Wachter R, Gröschel K, [Uphaus T](#). 2020. Software-based analysis of 1-hour Holter-ECG to select for prolonged ECG-monitoring after stroke. **Ann Clin Transl Neurol**. Oct;7(10):1779-1787.

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Gröschel S, Lange B, Grond M, Jauss M, Kirchhof P, Rostock T, Wachter R, Gröschel K, Uphaus T. 2020. Automatic Holter electrocardiogram analysis in ischemic stroke patients to detect paroxysmal atrial fibrillation: ready to replace physicians? **Eur J Neurol** Jul;27(7):1272-1278.

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2020. Endovascular Treatment of Very Elderly Patients Aged ≥ 90 with Acute Ischemic Stroke. **J Am Heart Assoc** Mar 3;9(5):e014447.

German Stroke Registry – Endovascular Treatment (GSR-ET, Uphaus T, as part of the study group). 2020. Factors Associated with Failure of Reperfusion in Endovascular Therapy for Acute Ischemic Stroke: A Multicenter Analysis. **Clin Neuroradiol** Feb 17. doi: 10.1007/s00062-020-00880-8. Online ahead of print.

Engel S, Steffen F, Uphaus T, Scholz-Kreisel P, Zipp F, Bittner S, Lüssi F. 2020. Association of intrathecal pleocytosis and IgG synthesis with axonal damage in early MS. **Neurol Neuroimmunol Neuroinflamm**, Feb 4;7(3):e679.

Meinel TR, Kniepert J, Seiffge DJ, Gralla J, Jung S, Auer E, Frey S, Goeldlin M, Mordasini P, Mosimann PJ, Nogueira RG, Haussen DC, Rodrigues GM, Uphaus T, L'Allinec V, Krajíčková D, Alonso A, Costalat V, Hajdu SD, Olivé-Gadea M, Maegerlein C, Pierot L, Schaafsma J, Suzuki K, Arnold M, Heldner MR, Fischer U, Kaesmacher J. 2020. Endovascular Treatment and Risk of intracranial hemorrhage in Anticoagulated patients. **Stroke** Mar;51(3):892-898.

Wasser K, Weber-Krüger M, Gröschel S, Uphaus T, Liman J, Hamann G, Kermer P, Seegers J, Gelbrich G, Gröschel K, Wachter R. 2020. Brain natriuretic peptide and discovery of atrial fibrillation after stroke – an analysis of the Find-AF_{Randomised}-Trial. **Stroke** Feb;51(2):395-401.

Uphaus T, Bittner S, Gröschel S, Steffen F, Wasser K, Weber-Krüger M, Zipp F, Wachter R, Gröschel K. 2019. Neurofilament light chain levels as predictive marker for long-term outcome after ischemic stroke. **Stroke** 50(11): 3077-3084.

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Uphaus T, Weber-Krüger M, Grond M, Toenges G, Jahn-Eimermacher A, Jauss M, Kirchhof P, Wachter R, Gröschel K. 2019. Development and validation of a score to detect paroxysmal atrial fibrillation after stroke. **Neurology** 92(2): e115-e124.

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Larochelle C[§], Uphaus T[§], Broux B, Gowing E, Paterka M, Michel L, Dudvarski Stankovic N, Bicker F, Lemaître F, Prat A, Schmidt MHH, Zipp F. 2018. EGFL7 reduces CNS inflammation in mouse. **Nat commun** 9(1): 819.

Fleischer V, Friedrich M, Rezk A, Bühler U, Witsch E, Uphaus T, Bittner S, Groppa S, Tackenberg B, Bar-Or A, Zipp F, Luessi F. 2018. Treatment response to dimethyl fumarate is

characterized by disproportionate CD8+ T cell reduction in MS. **Mult Scler J.** 2018 (5):632-641.

Uphaus T, Zipp F, Larochelle C. 2018. EGFL7 – a potential therapeutic target for multiple sclerosis? **Expert Opin Ther Targets** 22(11):899-902.

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