

# Dr. med. Max Wawrzyniak



## Personal Details:

Year of Birth: 1989  
Institute Address: Klinik und Poliklinik für Neurologie  
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Current Position: Resident in Neurology/Postdoc  
Expertise: Neuroimaging, fMRI, Connectivity, Cognitive Neurology, Stroke

## Academic Training:

2009 – 2016 Studies in Medicine, University of Leipzig

## Scientific Certificates:

2018 Graduation to the doctor of medicine (Dr. med.), Department of neurology, University of Leipzig

## Professional Career:

2016 – present Research Fellow at the Neuroimaging Lab, University of Leipzig  
2017 – present Resident in Neurology, Department of Neurology, University of Leipzig

## Scientific Activities, Honors, Award:

2013 – 2014 Scholarship ("Promotionsförderung") of the Medical Faculty of the University of Leipzig  
2020 – 2023 Clinician Scientist Program of the Medical Faculty of the University of Leipzig

## Academic service:

Reviewer for Brain, Brain Communications, Human Brain Mapping, Brain and Cognition, Brain Structure and Function, Frontiers in Neurology, Neuropsychologia, Behavioural Brain Research, Journal of Neuroscience Research, Cognitive and Behavioral Neurology

## Publications:

1. Welle F\*, Stoll K\*, Gillmann C, Henkelmann J, Prasse G, Kaiser DPO, Kellner E, Reiser M, Schneider HR, Klingbeil J, Stockert A, Lobsien D, Hoffmann KT, Saur D†, **Wawrzyniak M**†. (In Press). Tissue outcome prediction in patients with proximal vessel occlusion and mechanical thrombectomy using logistic models. *Translational Stroke Research*, DOI: 10.1007/s12975-023-01160-6.
2. Klingbeil J, Brandt ML, Stockert A, Baum P, Hoffmann KT, Saur D, **Wawrzyniak M**. (2023). Associations of lesion location, structural disconnection and functional diaschisis with depressive symptoms post stroke. *Frontiers in Neurology*, 14, 1144228.
3. Rosenzopf H\*, Klingbeil J\*, **Wawrzyniak M**, Röhrig L, Sperber C, Saur D, Karnath HO. (2023). Thalamocortical disconnection involved in pusher syndrome. *Brain*, awad096.

4. Mühlberg C\*, Fricke C\*, Wegscheider M, **Wawrzyniak M**, Tzivi E, Classen J, Rumpf JJ. (2023). Motor learning is independent of effects of subthalamic deep brain stimulation on motor execution. *Brain communications*, fcad070.
5. Stockert A\*, Hormig-Rauber S\*, **Wawrzyniak M**, Klingbeil J, Schneider HR, Pirlich M, Schob S, Hoffmann KT, Saur D. (2023). Involvement of thalamo-cortical networks in patients with post-stroke thalamic aphasia. *Neurology*, 100(5), e485–e496.
6. Klingbeil J\*, Brandt ML\*, **Wawrzyniak M**, Stockert A, Schneider HR, Baum P, Hoffmann KT, Saur D. (2022). Association of Lesion Location and Depressive Symptoms post stroke. *Stroke*, 53(11), e467–e471.
7. Schneider HR\*, **Wawrzyniak M\***, Stockert A, Klingbeil J, Saur D. (2022). fMRI informed voxel-based lesion analysis to identify lesions associated with right-hemispheric activation in aphasia recovery. *NeuroImage: Clinical*, 36, 103169.
8. **Wawrzyniak M**, Stockert A, Klingbeil J, Saur D. (2022). Voxelwise structural disconnection mapping: Methodological validation and recommendations. *NeuroImage: Clinical*, 35, 103132.
9. **Wawrzyniak M**, Schneider HR, Klingbeil J, Stockert A, Hartwigsen G, Weiller C, Saur D. (2022). Resolution of diaschisis contributes to early recovery from post-stroke aphasia. *NeuroImage*, 251, 119001.
10. Klingbeil J, **Wawrzyniak M**, Stockert A, Brandt ML, Schneider HR, Metelmann M, Saur D. (2021) Pathological laughter and crying: insights from lesion network-symptom-mapping. *Brain*, 144(10), 3264–3276.
11. Hartwigsen G, Stockert A, Charpentier L, **Wawrzyniak M**, Klingbeil J, Wrede K, Obrig H, Saur D (2020). Short-term modulation of the lesioned language network. *eLife*, 9: e54277
12. Stockert A, **Wawrzyniak M**, Klingbeil J, Wrede K, Kümmerer D, Hartwigsen G, Kaller C P, Weiller C, Saur D (2020). Dynamics of language reorganization after left temporo-parietal and frontal stroke. *Brain*, 143(3), 844–861.
13. Klingbeil J\*, **Wawrzyniak M\***, Stockert A, Karnath H O, Saur D (2020). Hippocampal diaschisis contributes to anosognosia for hemiplegia: Evidence from lesion network-symptom-mapping. *NeuroImage*, 208, 1164852.
14. Klingbeil J\*, **Wawrzyniak M\***, Stockert A, Saur D (2019). Resting-state functional connectivity: An emerging method for the study of language networks in post-stroke aphasia. *Brain and Cognition*, 131, 22–33.
15. **Wawrzyniak M**, Klingbeil J, Zeller D, Saur D, Classen J (2018). The neuronal network involved in self-attribution of an artificial hand: A lesion network-symptom-mapping study. *NeuroImage*, 166, 317–324.
16. **Wawrzyniak M**, Hoffstaedter F, Klingbeil J, Stockert A, Wrede K, Hartwigsen G, Eickhoff S B, Classen J, Saur D (2017). Fronto-temporal interactions are functionally relevant for semantic control in language processing. *PLoS ONE*, 12(5): e0177753.
17. Hartwigsen G, Bzdok D, Klein M, **Wawrzyniak M**, Stockert A, Wrede K, Classen J, Saur D (2017). Rapid short-term reorganization in the language network. *eLife*, 6: e25964.

18. Hartwigsen G, Henseler I, Stockert A, **Wawrzyniak M**, Wendt C, Klingbeil J, Baumgärtner A, Saur D (2017). Integration demands modulate effective connectivity in a front-temporal network for contextual sentence integration. *NeuroImage*, 147, 812–824.

\*These authors contributed equally

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