

Curriculum vitae

Personal data

Name: Julia Friedrich
Date of birth: 19.03.1991

School and University Education

1997-2001	Primary School
2001-2009	Gymnasium Dresden-Plauen (A-level Exam)
October 2010 till November 2015	Study of Psychology/Cognitive-Affective Neuroscience (consecutive Master's program) at the TU Dresden (M.Sc.)
July 2020	(PhD) Dr. rer. nat. at the TU Dresden (magna cum laude) (Prof. Dr. Beste, Prof. Dr. Kirschbaum)

Scientific Career

April 2016 till September 2020	PhD student/Psychologist (Department of Cognitive Neurophysiology, TU Dresden; Child and Adolescent Psychiatry, University Medical Center Dresden Carl Gustav Carus) (Prof. Dr. Beste)
March 2020 till April 2020	Research visit at the Department of Psychiatry and Psychotherapy at the University Medical Center Hamburg-Eppendorf (Research Group Neural Plasticity, Prof. Dr. Simone Kühn)
since November 2020	Post-Doc at the Institute for Systems Motor Science, University of Lübeck, University Medical Center Schleswig-Holstein, Lübeck (Prof. Dr. Münchau, Prof. Dr. Bäumer)

Occupation outside science

2009-2010	Voluntary social year
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Scientific honors

“Ehrenfried Walter von Tschirnhaus” Certificate (outstanding academic performance) (2016)

Ten most important publications

- Friedrich J**, Spaleck H, Schappert R, Kleimaker M, Verrel J, Bäumer T, Beste C, Münchau A. Somatosensory perception-action binding in Tourette syndrome. *Sci Rep* 2021;11:13388.
- Friedrich J**, Verrel J, Kleimaker M, Münchau A, Beste C, Bäumer T. Neurophysiological correlates of perception-action binding in the somatosensory system. *Sci Rep* 2020;10:14794.
- Friedrich J**, Beste C. Low and high stimulation frequencies differentially affect automated response selection in the superior parietal cortex – implications for somatosensory area processes. *Sci Rep* 2020;10:3954.
- Friedrich J**, Beste C. Passive perceptual learning modulates motor inhibitory control in superior frontal regions. *Hum Brain Mapp* 2020;41:726-738.
- Friedrich J**, Beste C. The impact of stimulus modality on the processing of conflicting sensory information during response inhibition. *Neuroscience* 2019;410:191-201.
- Friedrich J**, Beste C. Paradoxical, causal effects of sensory gain modulation on motor inhibitory control – a tDCS, EEG-source localization study. *Sci Rep* 2018;8:17486.
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- Friedrich J**, Mückschel M, Beste C. Physical intensity of stimuli modulates motor inhibition by affecting response selection processes in right inferior frontal regions. *Behav Brain Res* 2019;359:597-608.
- Bluschke A, **Friedrich J**, Schreiter ML, Roessner V, Beste C. A comparative study on the neurophysiological mechanisms underlying effects of methylphenidate and neurofeedback on inhibitory control in attention deficit hyperactivity disorder. *Neuroimage Clin* 2018;20:1191-1203.
- Friedrich J**, Mückschel M, Beste C. Specific properties of the SI and SII somatosensory areas and their effects on motor control: a system neurophysiological study. *Brain Struct Funct* 2018;223:687-699.
- Friedrich J**, Mückschel M, Beste C. Somatosensory lateral inhibition processes modulate motor response inhibition – an EEG source localization study. *Sci Rep* 2017;7:4454.
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