

Curriculum Vitae

Joeri F.L. van Helden



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Profile

As a driven PhD candidate, I aim to bring together the field of neuroscience with motor control and rehabilitation in patient populations. Other areas of interest are the effects of physical exercise and its relation with health and wellbeing, and clinical neuroscience.

Education

2017-2020	Neuroscience and Cognition, MSc, Utrecht University <ul style="list-style-type: none">○ Contributor student journal Neuroscience & Cognition, 2019 edition○ Cumulative GPA: 4.00
2017-2019	Neuropsychology, MSc, Utrecht University <ul style="list-style-type: none">○ Cumulative GPA: 3.53

Research Experience and Internships

2021-Present	PhD Candidate, School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham, supervised by Dr Shin-Yi Chiou <ul style="list-style-type: none">○ Functional activity of upper extremities to improve trunk function after spinal cord injury
2019-2020	Brain Tumour Imaging Lab, Dpt. Clinical Neurosciences, University of Cambridge Supervised by Rohit Sinha, grade 8.5 /10 <ul style="list-style-type: none">○ Analysing DTI- and neuropsychological data of glioblastoma patients to identify white matter tracts that explain postsurgical changes in visuospatial perception
2018-2019	Neuropsychologist in training, Dpt. of Neurology/Neurosurgery, UMC Utrecht Supervised by Neuropsychology staff, grade 7.5 /10 <ul style="list-style-type: none">○ Performing neuropsychological assessments, writing diagnostic reports, and carrying out clinical interviews○ Monitoring cognitive functions during awake brain surgeries and WADA-tests
2017-2018	Perception Group, Dpt. of Experimental Psychology, Utrecht University Supervised by Dr. Ben Harvey, grade 8.4 /10 <ul style="list-style-type: none">○ Using 7T fMRI and population receptive field modelling to measure the brain's responses to the number of items in visual short-term memory

Journal Publications

van Helden, J.F.L., & Naber, M. (submitted). Early and late event-related potentials in the visual cortex explain pupil constrictions to visual scenes and illusions.

Poster presentations

2018	Naber, M., Fracasso, A., Porro, G., van Helden, J.F.L. , Roelofzen, C., Bergsma, D., Van Genderen, M., & Dumoulin, S. (2018). Occipital lobe involvement in visual-evoked pupil responses. <i>European Conference of Vision and Perception</i> , Trieste, IT.
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Conferences

2020	van Helden, J.F.L. (10/2020). Longitudinal white matter damage association with sustained attention deficits after surgical glioblastoma resection. <i>Society of British Neurological Surgeons</i> , York, UK.
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