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Breaking the vicious cycle of epileptogenesis

Focus on brain inflammation and matrix metalloproteinases

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Curriculum Vitae

Curriculum Vitae

Diede Wilhelmina Maria Broekaart was born on the 15th of December, 1992 in Terneuzen, the Netherlands. After graduating from her secondary school 'het Reynaertcollege', in Hulst in 2010, she moved to Amsterdam and started studying Psychobiology at the University of Amsterdam (UvA). During her third year, she did an internship on working memory and response inhibition in children with ADHD under supervision of dr. Tieme Janssen at the Department of Clinical Neuropsychology, Vrije Universiteit, Amsterdam. Her interest for neurobiology of diseases grew during that time and after she obtained her bachelor's degree, Diede started a master program in Biomedical Sciences, specifically the track 'Psychopharmacology and Pathophysiology' at the UvA. During her first internship in the group of prof. dr. Eleonora Aronica at the Department of Neuropathology at the Academic Medical Center in Amsterdam, she studied the role of the (immuno)proteasome in epilepsies under the supervision of dr. Erwin van Vliet. For her second internship, she moved to Rome (Italy) where she studied oxidative stress as a link between Alzheimer's disease and Down syndrome under the supervision of prof. dr. Marzia Perluigi and dr. Fabio di Domenico at the Department of Biochemical Sciences, Sapienza University. Her master thesis focused on the acetylation by sirtuin1 in tauopathies and was supervised by prof. dr. Paul Lucassen at the Swammerdam Center for Life Sciences, Center for Neuroscience, UvA. After graduating *cum laude* in the summer of 2015, she taught practical courses to Psychobiology Bachelor students at the UvA. In January 2016, she returned the group of prof. dr. Eleonora Aronica at the Academic Medical Center in Amsterdam and started her PhD project focusing on inflammatory processes and matrix metalloproteinases in epilepsy, of which the results are presented in this thesis.