



LEA MICHEL

Donders Institute for Brain, Cognition and Behaviour, Kapittelweg 29, 6525 EN Nijmegen ◊

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EDUCATION

- Ph.D. in Developmental Neuroscience** *Sept 2021 - Present*
Donders Institute for Brain, Cognition, and Behaviour *Nijmegen, NL*
Supervisors: Professor Rogier Kievit and Professor Carolina de Weerth
Thesis: Understanding the interplay between grey and white matter structure in supporting cognitive development in childhood and adolescence
- MSc in Cognitive Sciences - major in Neurosciences** *Sept 2018 - June 2021*
Ecole Normale Supérieure, Université de Paris, EHESS *Paris, FR*
- BSc in Health Sciences - major in Neurosciences** *Sept 2017 - June 2018*
Université de Paris *Paris, FR*
- Higher School Preparatory Class in Biology** *Sept 2014 - June 2017*
Lycee Faidherbe *Lille, FR*

ACADEMIC POSITIONS

- Internship at Addiction and Mental Health Group** *Feb 2021 - Jul 2021*
Department of Psychology, University of Bath *Bath, UK*
Supervisor: Dr Esther Walton
Thesis: The role of epigenetic age in the relationship between stressful events and brain structure in adolescent males of the ALSPAC cohort
- Internship at Developmental Biopsychiatry Research Program** *Mar 2020 - Jul 2020*
McLean Hospital *Boston, USA*
Supervisors: Dr Kyoko Ohashi and Dr Martin Teicher
Thesis: Effect of childhood maltreatment on functional connectivity in resting-state and MIST task
- Internship at the SCAN lab** *Aug 2019 - Jan 2020*
Social, Cognitive, Affective and Neuroscience, University of Birmingham *Birmingham, UK*
Supervisor: Dr Stephane De Brito
Thesis: VBM study on youths with conduct disorder the effect of gender and callous-unemotional traits
- Internship at the Memory, Brain Cognition laboratory** *Nov 2018 - Jun 2019*
Memory, Brain Cognition laboratory (LMC²), Psychology Department, Université de Paris Boulogne-Billancourt, France
Supervisors: Dr Pascale Piolino and Dr Valentina La Corte
Thesis: Study of the neural basis of episodic memory
- Internship at the Babylab** *Jun - Jul 2018*
Laboratoire de Sciences Cognitives et Psycholinguistiques, ENS Ulm *Paris, France*

Supervisor: Dr Mireille Babineau
Thesis: Synergies in the acquisition of syntactic categories

PREPRINT

Lea C. Michel, Ethan M. McCormick, Rogier A. Kievit. *March 2023*
Grey and white matter metrics demonstrate distinct and complementary prediction of differences in cognitive performance in children: Findings from ABCD (N= 11 876)

REVIEWED FOR

PLOS ONE

SCHOLARSHIPS AND AWARDS

Erasmus Staf Training Grant	2023
2 weeks internship at the CHBH at the University of Birmingham	approx 2,000€
MIBPT – Midlands Integrative Biosciences Training Partnership	2021
BBSRC funded Doctoral Training Partnership between 5 universities	approx £76,000
1st candidate accepted in the Psychology department at the University of Birmingham (declined)	
MIRES – Excellence mobility scholarship for master students	2021
Universite de Paris	5,000€
Minister of Higher Education and Research scholarship	2020
Universite de Paris	2,000€
MIRES – Excellence mobility scholarship for master students	2019-2020
Universite de Paris	5,000€

TEACHING EXPERIENCE

Modelling Neurodevelopment using Big Data	Jan, 2023
Teaching BSc students for 2 days about R, regressions, plots and neurodevelopment	<i>Nijmegen, NL</i>
Donders Institute	
Teaching Assistant	2021-2023
Assisting BSc and MSc courses	<i>Nijmegen, NL</i>
Donders Institute	
Teacher: Introduction to Psychology	Jul, 2021
Teaching a group of American students from grade 9 to 12 for 4 weeks	<i>Paris, FR</i>
Oxbridge in Paris – Oxbridge Academic programs	

PRESENTATIONS

Conferences

The longitudinal development of grey and white matter metrics in typical development	March, 2023
Symposium at ICPS Brussels 2023 on "Longitudinal Neuroimaging As a Key Avenue to Understanding Cognitive Development: Recent Findings across Four Cohorts."	Brussels, BE

Does grey and white matter microstructure play complementary roles in supporting cognitive ability ? Colloquium of Young Researchers in Cognitive Sciences in France	<i>April, 2022</i> Paris, FR
Virtual Masters Fair: Presentation of career and the Cogmaster organised by Estigma the association of students and young researchers in cognitive sciences of Lyon	<i>March, 2021</i> (virtual)
Grey Matter Volume in Youths with Conduct Disorder: Effects of Callous-Unemotional Traits Colloquium of Young Researchers in Cognitive Sciences in France	<i>March, 2021</i> (virtual)
Workshops	
How to write a pre-registration ? organised by the Fresco association WEPASCO: serie of workshops for students and young researchers	2021 (virtual)

POSTERS

Does grey and white matter microstructure play complementary roles in supporting cognitive performance ? Flux Society	<i>Sep, 2022</i> Paris, FR
Does grey and white matter microstructure play complementary roles in supporting cognitive performance ? FENS conference	<i>Jul, 2022</i> Paris, FR
Does grey and white matter microstructure play complementary roles in supporting cognitive performance ? L-CID conference "Development Matters"	<i>March, 2022</i> Leiden, NL
Does grey and white matter microstructure play complementary roles in supporting cognitive ability ? Donders Institute Poster session	<i>March, 2022</i> Nijmegen, NL
Grey Matter Volume in Youths with Conduct Disorder: Effects of Callous-Unemotional Traits Colloquium of Young Researchers in Cognitive Sciences in France	<i>Mar, 2021</i> (virtual)

PROFESSIONAL ACTIVITIES

Green Team Initiative CNS Working on making our department greener	<i>2023 - present</i>
Committee Brain Olympiad Nijmegen International Brain Bee	<i>2022 - present</i>
Communications Committee Flux Flux: The Society for Developmental Cognitive Neuroscience	<i>2022 - present</i>
Committee Pint of Science Nijmegen International Science Festival	<i>2022 - present</i>

Donders PhD Council Part of the DCMN council and the Mental Health Committee	<i>2022 - 2023</i>
Fresco - Vice-president Fresco - Federation of students and young researchers in cognitive science in France Promoting and organising interaction and collaborative projects within the French ecosystem in cognitive science	<i>2020-2022</i>
Cognivence - Treasurer Cognivence - Association of students and young researchers in cognitive sciences of Paris Organisation of the 18th edition of the « Forum des Sciences Cognitives»	<i>2018-2019</i>

ACADEMIC BLOGGING

Blog of Lifespan Developments blog Creation and managing of the lab blog	<i>2021 - present</i>
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PUBLIC ENGAGEMENT

Brain Olympiad Nijmegen Organising an activity around 3D printed animals brains	<i>Feb, 2023</i> Nijmegen, NL
Donders Open Day Organising an activity around 3D printed animals brains	<i>Oct, 2022</i> Nijmegen, NL
Pints of Science Festival in Nijmegen Organisation of the two nights of talks	<i>May, 2022</i> Nijmegen, NL
Cognitive Science Forum of Paris Organisation of the Forum to promote cognitive sciences	<i>Apr, 2022</i> Paris, FR
Cognitive Science Forum of Lille Organisation of the Forum to promote cognitive sciences	<i>Mar, 2022</i> Lille, FR
Cognitive Science Forum of Marseille Organisation of the Forum to promote cognitive sciences	<i>Feb, 2022</i> Marseille, FR
Virtual escape game Introduce concepts in cognitive science to a broad audience	<i>Apr, 2021</i>
Cognitive Science Forum of Paris Organisation of the Forum to promote cognitive sciences	<i>Mar, 2019</i> Paris, FR

PROFESSIONAL AFFILIATIONS

Flux: The Society for Developmental Cognitive Neuroscience
Organization for Human Brain Mapping (OHBM)
The Federation of European Neuroscience Societies (FENS)

TRAINING

Courses Writing Scientific Articles. <i>Radboud University</i>	<i>Oct, 2022</i>
Education in a nutshell. <i>Radboud University</i>	<i>Mar, 2022</i>

Introduction to Longitudinal Structural Equation Modelling. <i>CenterStat</i>	<i>Dec, 2021</i>
Introduction to Structural Equation Modelling. <i>CenterStat</i>	<i>Oct, 2021</i>
Workshops	
Standing up for Science Workshop.	<i>Dec, 2022</i>
Flux PreConference Workshop: Longitudinal Modelling.	<i>Sep, 2022</i>
Causal Inference from Longitudinal Data. <i>Jacobs/Cifar Wokshop</i>	<i>Mar, 2022</i>

SKILLS

Statistical procedures	Structural equation modelling, longitudinal structural equation modelling
Statistical software	R, RStudio (intermediate), SPSS (beginner)
Programming	Python (intermediate), MATLAB (beginner), SPM12 (beginner), FSL (beginner)
Other skills	Open Science, Clean and manage big datasets, Latex (basic) website development in R and wordpress
Data collection	Experience in collecting behavioral and neural data using electroencephalography (EEG)

REFERENCES

Available upon request (Prof Rogier Kievit)