

# LEA MICHEL

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

 @LeaCMichel

lea.michel@radboudumc.nl ◇

## EDUCATION

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<b>Ph.D. in Developmental Neuroscience</b>	<i>Sept 2021 - Present</i>
Donders Institute for Brain, Cognition, and Behaviour	<i>Nijmegen, NL</i>
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	
<b>MSc in Cognitive Sciences - major in Neurosciences</b>	<i>Sept 2018 - June 2021</i>
Ecole Normale Supérieure, Université de Paris, EHESS	<i>Paris, FR</i>
<b>BSc in Health Sciences - major in Neurosciences</b>	<i>Sept 2017 - June 2018</i>
Université de Paris	<i>Paris, FR</i>
<b>Higher School Preparatory Class in Biology</b>	<i>Sept 2014 - June 2017</i>
Lycee Faidherbe	<i>Lille, FR</i>

## ACADEMIC POSITIONS

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<b>Internship at Addiction and Mental Health Group</b>	<i>Feb 2021 - Jul 2021</i>
Department of Psychology, University of Bath	<i>Bath, UK</i>
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	
<b>Internship at Developmental Biopsychiatry Research Program</b>	<i>Mar 2020 - Jul 2020</i>
McLean Hospital	<i>Boston, USA</i>
Supervisors: Dr Kyoko Ohashi and Dr Martin Teicher	
Thesis: Effect of childhood maltreatment on functional connectivity in resting-state and MIST task	
<b>Internship at the SCAN lab</b>	<i>Aug 2019 - Jan 2020</i>
Social, Cognitive, Affective and Neuroscience, University of Birmingham	<i>Birmingham, UK</i>
Supervisor: Dr Stephane De Brito	
Thesis: VBM study on youths with conduct disorder the effect of gender and callous-unemotional traits	
<b>Internship at the Memory, Brain Cognition laboratory</b>	<i>Nov 2018 - Jun 2019</i>
Memory, Brain Cognition laboratory (LMC <sup>2</sup> ), 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	
<b>Internship at the Babylab</b>	<i>Jun - Jul 2018</i>
Laboratoire de Sciences Cognitives et Psycholinguistiques, ENS Ulm	<i>Paris, France</i>
Supervisor: Dr Mireille Babineau	
Thesis: Synergies in the acquisition of syntactic categories	

## SCHOLARSHIPS AND AWARDS

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<b>MIBPT – Midlands Integrative Biosciences Training Partnership</b>	<b>2021</b>
BBSRC funded Doctoral Training Partnership between 5 universities	approx £19,000
1st candidate accepted in the Psychology department at the University of Birmingham (declined)	
<b>MIRES – Excellence mobility scholarship for master students</b>	<b>2021</b>
Universite de Paris	5,000€
<b>Minister of Higher Education and Research scholarship</b>	<b>2020</b>
Universite de Paris	2,000€
<b>MIRES – Excellence mobility scholarship for master students</b>	<b>2019-2020</b>
Universite de Paris	5,000€

## TEACHING EXPERIENCE

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<b>Teacher: Introduction to Psychology</b>	<b>Jul, 2021</b>
Teaching a group of American students from grade 9 to 12 for 4 weeks	
Oxbridge in Paris – Oxbridge Academic programs, France	

## PRESENTATIONS

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### Conferences

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

### Workshops

<b>How to write a pre-registration ?</b>	<b>2021</b>
organised by the Fresco association	(virtual)
WEPASCO: serie of workshops for students and young researchers	

## POSTERS

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<b>Does grey and white matter microstructure play complementary roles in supporting cognitive performance ?</b>	<b>Sep, 2022</b>
Flux Society	Paris, FR
<b>Does grey and white matter microstructure play complementary roles in supporting cognitive performance ?</b>	<b>Jul, 2022</b>
FENS conference	Paris, FR

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

## PROFESSIONAL ACTIVITIES

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<b>Committee Brain Olympiad Nijmegen</b> International Brain Bee	<i>2022 - present</i>
<b>Communications Committee Flux</b> Flux: The Society for Developmental Cognitive Neuroscience	<i>2022 - present</i>
<b>Committee Pint of Science Nijmegen</b> International Science Festival	<i>2022 - present</i>
<b>Donders PhD Council</b> Part of the DCMN council and the Mental Health Committee	<i>2022 - 2023</i>
<b>Fresco - Vice-president</b> 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>
<b>Cognivence - Treasurer</b> 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

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

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<b>Donders Open Day</b> Organising an activity around 3D printed animals brains	<i>Oct, 2022</i> Nijmegen, NL
<b>Pints of Science Festival in Nijmegen</b> Organisation of the two nights of talks	<i>May, 2022</i> Nijmegen, NL
<b>Cognitive Science Forum of Paris</b> Organisation of the Forum to promote cognitive sciences	<i>Apr, 2022</i> Paris, FR
<b>Cognitive Science Forum of Lille</b> 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

*Feb, 2022*  
Marseille, FR

**Virtual escape game**  
Introduce concepts in cognitive science to a broad audience

*Apr, 2021*

**Cognitive Science Forum of Paris**  
Organisation of the Forum to promote cognitive sciences

*Mar, 2019*  
Paris, FR

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## PROFESSIONAL AFFILIATIONS

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

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## 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>

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## SKILLS

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

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## REFERENCES

**Available upon request (Prof Rogier Kievit)**