

MARAIS, Anne-Lise

Looking for a postdoctoral position in EEG processing in 2024



<https://annelisemaraais.github.io>



<https://github.com/annelisemaraais>



<https://twitter.com/Annelisephd>



<https://www.researchgate.net/profile/Anne-Lise-Marais>

EEG | Programming | Developmental neuroscience | Neurodevelopmental disorders

EDUCATION

- | | | |
|------------------|--|--|
| 2020-2023 | COMETE laboratory (UMR-S 1075 – INSERM), University of Caen Normandy | PhD candidate in psychology, supervised by Dr. Nadège Roche-Labarbe (associate professor in psychology). <i>Neurofunctional exploration in high resolution electroencephalography and near infrared spectroscopy of the development of sensory prediction</i> . Defense : december, 8 2023 |
| 2019-2020 | University of Caen Normandy | Master in developmental cognitive psychology, with honors
Psychologist title (License number: 149312472). |
| 2016-2018 | University of Caen Normandy | Bachelor in psychology, with honors |

PUBLICATIONS

- 2023 – Marais, A-L., Dumont, V., Anquetil, A & Roche-Labarbe, N. (202).** *Somatosensory prediction in typical and atypical children*. (submitted). eLife I recruited and measured participants, was in charge of preprocessing and full statistical workflow and wrote the manuscript, codes soon fully available (https://github.com/annelisemaraais/2023_elife)
- Marais, A-L. & Roche-Labarbe, N. (2023).** *Predictive coding in early development: perspectives for neurodevelopmental disorders*. (submission this summer). Developmental Review. I wrote the draft of the review and was advised by Roche-Labarbe, N.
- Toutain, M. & **Marais, A-L.** (2023). Apport des neurosciences en faveur du yoga en EPS. In Cogérino, G., Schirrer, M. & Paintendre, A. (dirs), *Enseigner le yoga en EPS*. De Boeck. (in preparation). I contributed to the neurosciences part of the book chapter.
- Marais, A-L., Dumont, V., Anquetil, A, Trentesaux, A-S. & Roche-Labarbe, N. (2024).** *Somatosensory prediction in premature newborn*. (in preparation). I measured participants and preprocessed data. Data will be analyzed in August 2023.

SKILLS

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|-------------------|---|
| EEG | Data recording, preprocessing from scratch
(https://github.com/annelisemaraais/EEG-preprocessing), ERP analysis |
| fNIRS | Data recording and preprocessing, Homer3 |
| Programing | Python, Matlab, HTML |

Language French (native), English (fluent)

RELEVANT EXPERIENCES

2023 – Oral presentation, SPNC, Caen, France

Poster presentation, OHBM, Montreal, Canada

Funding for collaborative and ecological garden for the medicine faculty and attached laboratories (34,005€), to promote well-being and ecology on the campus. I wrote the project in collaboration with two PhD candidates, and I was auditioned twice to defend it.

2022 – Teacher, Developmental psychology, Bachelor degree, Caen, France (64h)

Poster presentation, OHBM, Glasgow, UK

Poster presentation, Flux, Paris, France

Poster presentation, fNIRS 2022, Boston, USA

2021 – Poster presentation, Cutting EEG, Aix-en-Provence, France

Teacher, Developmental psychology, Bachelor degree, Caen, France (64h)

Data Blitz, Hands-on fNIRS, Tübingen, Germany

2019-2022 – Psychologist. I worked in three different places : three months with adolescents (10-18 years old) with sensory deficits (deafness, blindness or both) ; three months with adolescents (10-20 years old) with epilepsy and intellectual disability ; and almost a year with toddlers (3-6 years old) with autism spectrum disorders and/or intellectual disability. I also supervised two psychologists for two years, helping them with difficult decisions in diagnosis.