

MARAIS, Anne-Lise

Looking for a postdoctoral position in EEG signal processing in Jan 2024



<https://annelisemarais.github.io>



<https://github.com/annelisemarais>



<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>
2019-2020	University of Caen Normandy	Master in educational psychology (cognitive and development), 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 children.* (in preparation). I recruited and measured participants, was in charge of preprocessing and full statistical workflow (PCA and statistical inference) and wrote the manuscript, codes soon fully available (<https://github.com/annelisemarais/codes>)
- Marais, A-L.** & Roche-Labarbe, N. (2023). *Predictive coding in early development: perspectives for neurodevelopmental disorders.* (in preparation). We contributed equally to the article.
- 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). We contributed equally to the 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 soon.

SKILLS

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

Language French (native), English (fluent)

RELEVANT EXPERIENCES

2023 – Poster presentation, OHBM, Montreal, Canada

Funding for collaborative and ecological garden for the medicine faculty and attached laboratories (35,000€), 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

2020-2022 – Supervision of two psychologists

