

# 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

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|------------------|--|--|
| <b>2020-2023</b> | 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 |
| <b>2019-2020</b> | University of Caen Normandy  | Master in educational psychology (cognitive and development), with honors<br>Psychologist title (License number: 149312472).   |
| <b>2016-2018</b> | 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). 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/annelisemarais/2023\\_elife](https://github.com/annelisemarais/2023_elife))
- Marais, A-L. & Roche-Labarbe, N. (2023).** *Predictive coding in early development: perspectives for neurodevelopmental disorders*. (in preparation). 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 July 2023.

## SKILLS

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|-------------------|---|
| <b>EEG</b>        | Data recording, preprocessing from scratch<br>( <a href="https://github.com/annelisemarais/EEG-preprocessing">https://github.com/annelisemarais/EEG-preprocessing</a> ), ERP analysis |
| <b>fNIRS</b>      | Data recording and preprocessing, Homer3  |
| <b>Programing</b> | Python, Matlab, HTML  |

**Language**      French (native), English (fluent)

## RELEVANT EXPERIENCES

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**2023** – Oral presentation, SPNC, Caen, France

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

