Post-Doc in Neurolinguistics (80%-100% FTE, 30-36 months) MEG of Speaker Identity Processing at the Dynamics of Brain and Language Lab, University of Geneva

Start Date: ASAP

We are hiring a Post-Doc (80%-100% FTE, 30-36 months) to work on a neurolinguistic investigation of identity tracking and integration in auditory and audiovisual speech comprehension. The successful candidate will be hosted in the Dynamics of Brain and Language Lab, University of Geneva, headed by Prof. Alexis Hervais-Adelman and will work closely with Prof. V. Dellwo (Computational Linguistics, University of Zürich) to carry out neuroimaging investigations into the representation of speaker identity and how it is integrated into discourse processing to allow resolution of multi-talker communication. The project entails the implementation, analysis and publication of MEG experiments in collaboration with the PIs and local colleagues. The position will suit a productive candidate who prides themselves for their autonomy in carrying out rigorous research.

Person Specification:

You have a passion for neuroscience of language and communication, a desire to develop your independence with the support and collaboration of senior advisors. When faced with challenges, you seek solutions independently and with help from peers. You enjoy sharing your knowledge and expertise with your team. You are committed to open research practices and understand the value of careful data curation.

Requirements:

- Doctoral degree in Cognitive Neuroscience, Experimental Psychology, Neurolinguistics, or related discipline, ideally in the area of speech or voice processing.
- Experience recording and analysing M/EEG data
- Programming (either Python or MATLAB), without LLM dependence
- Knowledge of tools for audio/speech signal processing (e.g. Praat, Audacity, or relevant MATLAB, Python)
- Track record of scientific publication

<u>Desirable:</u>

- Hands-on experience with mTRF and related techniques (e.g. dynamic TRF, encoding models)
- Time-resolved decoding of M/EEG
- Fluency in French (the local language, in which experimental materials will be prepared)

What we offer:

The Dynamics of Brain and Language Lab (https://dynoball.org) offers a welcoming and supportive environment, hosting diverse research projects in the field of neurolinguistics. We have expertise in M/EEG, MRI and non-invasive brain stimulation and enjoy methodological and intellectual challenges.

The project is funded by the National Center for Competence in Research Evolving Language (https://evolvinglanguage.ch), a nationwide collective providing the successful candidate with a stimulating, multidisciplinary cohort of peers, with regular seminar series, network-wide meetings and social events. Neuroimaging facilities are hosted at the Fondation Campus Biotech Geneva (https://fcbg.ch), a world-class imaging centre with full-time technical and engineering support staff.

The University of Geneva (https://unige.ch) offers a competitive salary, 6 weeks of paid holiday per year and a generous pension scheme.

We are committed to equality of opportunity, to being fair and inclusive, and to being a place where all belong. We particularly welcome applications from groups who are likely to be under-represented in the University of Geneva workforce.

We appreciate that every applicant brings their own unique skills profile to a position and that all have the potential to broaden their skill set, given suitable opportunity. We do not expect that all potentially suitable candidates will fulfil every criterion on the list above.

For further details or informal inquiries, please contact: Prof. Dr. Alexis Hervais-Adelman, alexis.hervais-adelman@unige.ch

To apply: We invite interested applicants to complete this expression of interest (https://bit.ly/NeurolingID) or scan the QR code below to allow us to evaluate their suitability. We will follow-up with potentially suitable candidates directly.