POST-DOC POSITION:

We invite applicants for a 4-year postdoc position in the field of developmental cognitive neuroscience.

In a new interdisciplinary research unit at the University of Hamburg, Germany, we investigate basic neurocognitive mechanisms of forming and revising beliefs in volatile environments, both in infants and adults. How do infants adapt to changes in the environment? (When) do adults spontaneously revise their expectations? If you are interested, and hold a PhD in Psychology, Neurosciences or a related field, please get in touch with the PI, Prof. Dr. Ulf Liszkowski, ulf.liszkowski@uni-hamburg.de. Direct applications will be considered until the position is filled. Starting date is negotiable, ideally as early as 1.2.2024.

The position is full-time and ideal for candidates who wish to pursue an academic career. Candidates are expected to have a strong background in experimental research and statistical analyses. They are expected to be knowledgeable of psychophysiological methods like pupillometry or eeg, ideally in infants, and to have a track record of published research. The postdoc will benefit from cooperation in an interdisciplinary environment including neurosciences, cognitive modelling, development and clinical implications. The project investigates statistical learning mechanisms and belief updating in infants and adults, as well as interindividual, clinically-relevant differences within the larger framework of the research unit. The successful applicant will work in the indicated dfg-funded project collaboratively with other subprojects within the research unit The Research Unit : DFG Research Unit 5389 : Universität Hamburg (uni-hamburg.de). The applicant will be able to innovate research designs, analyse data, disseminate results at international conferences, and publish research findings in international peer-reviewed scientific journals.

Applicants are expected to have a track record of methodologically sound and innovative basic experimental research demonstrated by publications in international peer-reviewed journals (preferably as a first author) and conference contributions. An excellent written and oral command of English language and above average skills in data-analysis are required. German language skills are not a requirement. Knowledge about infancy research and neurophysiological measures (eye-tracking, pupillometry, EEG), ideally first-hand, is desirable. The applicant should have knowledge about code-writing and data reduction and/or show high potential to quickly get acquainted with it.

The department of developmental psychology offers an excellent research infrastructure and a vibrant scholarly environment within the group and the wider research unit. Our infancy lab is equipped with state-of-the-art apparatuses including behavioral observation rooms, stable and portable eye-trackers, and EEG. It provides easy access to large samples of both infants and adults. The neuroscientific and clinical frame of the wider research unit will provide excellent insights beyond the developmental focus of the current project and offer regular cross-project meetings, international lecture series, and workshops by choice on academic writing, neuroscientific methods, and computational modelling.