

PhD position (75%) in Cognitive Neuroscience on Predictions in Communication @Hamburg

The research focuses on combining neuroimaging with computational models to understand how the human brain learns and uses expectations during the perception of speech and language.

Location

The project will be based at the Institute of Systems Neuroscience at the University Medical Center Hamburg-Eppendorf in Hamburg, Germany. The project is part of the transregional DFG (German Research Foundation) collaborative research centre (CRC/Transregio 289) "Treatment Expectation" (<https://treatment-expectation.de/en/>).

What we offer:

- Opportunity to get hands-on supervision for learning various data acquisition and analysis techniques (e.g., representational similarity analysis (RSA))
- Dynamic, interdisciplinary, and international research environment within the Institute of Systems Neuroscience
- Research-dedicated T3 MR scanner (PRISMA), eye-tracking and EEG laboratories, excellent infrastructure for behavioural testing
- Multiple training opportunities within the institute (e.g., <https://goo.gl/pU44vP>) and the collaborative research centre
- For PhDs: Possibility to join the local graduate school, which is part of national and international networks <https://www.uke.de/kliniken-institute/institute/systemische-neurowissenschaften/lehrangebote-fortbildungen/graduate-school-workshops.html> and <https://hamburgbrainschool.de/about/>
- Exciting opportunities within the collaborative research centre, e.g., mini-grants to pursue independent side projects

Requirements for the PhD position:

- A Master of Science or an equivalent degree in neuroscience, cognitive science, psychology, or a related discipline
- Experience in programming (e.g., MATLAB)
- Keen interest in experimental approaches to study predictive processing and communication including magnetic resonance imaging (MRI)
- Motivation to work independently as well as in a team environment
- Strong organizational skills
- Fluency in English and German

Application:

Applications will be accepted until the position is filled. Salary depends on experience and is based on German regulations (TVöD-VKA-13 for PhD positions with a factor 75%). The appointment will be for 4 years. The group is committed to Open Science and to maintaining a diverse and inclusive environment.

If you are interested, please send a pdf document including 1) your CV, 2) a brief statement of research interest, 3) certificates, and 4) the contact details of two academic referees to hblank@uke.de. Informal inquiries are very welcome.