PhD student position in the Emmy-Noether project "FEAR PROFILES"

The position is part of an **Emmy Noether grant** awarded to Dr. Tina Lonsdorf. More information on Tina Lonsdorfs group, which she leads since 2013, can be found under www.lonsdorflab.com.

The position is part of the project FEAR PROFILES which aims to **utilize population heterogeneity (variance) as a unique opportunity and promising starting point to advance mechanistic insights** into fear and anxiety related processes. The project goes way beyond traditional confirmatory or refusive investigations on a-priori theories and focuses on variance that has been largely neglected as 'residual variance' or studied in isolation to date.

The project will be conducted by a team including the PI, a post-doctoral researcher, a PhD student and a study psychologist. The PhD student will thereby implement a series of systematic, multi-methodological and -variate studies that **combine well-established experimental paradigms with cutting-edge technical tools and methodological advances** (such as parallel EMG-fMRI data acquisition, Virtual Reality). Experimental paradigms focus for instance on **fear, anxiety** as well as their **generalization**, **avoidance** as well as **habituation** processes and **emotional memory**.

We are located at the Department of Systems Neuroscience (Head: Prof. Christian Büchel), which is part of the University Medical Center Hamburg-Eppendorf in **Hamburg** (Germany).

The **Department of Systems Neuroscience** offers an interdisciplinary and international research environment, a research-dedicated 3-T MR Scanner (PRISMA), Virtual-Reality laboratories as well as excellent facilities for behavioral testing and psychophysiological studies. In addition, the institute offers excellent training opportunities (https://goo.gl/pU44vP and https://goo.gl/uvt2L5) as well as a local graduate school. We are also part of the international Max Planck School of Cognition.

Optimal starting date for the position is **15.2.2019 but starting date is negotiable**. The position is initially granted for **3 years with the possibility of extension for a fourth year** (3+1 years). There is the option of continuing on a post-doctoral (full) position in the project afterwards. Salary depends on experience and is based on German regulations (TVL13, 65%). **Applications will be accepted until the positions are filled**. The first review of applications will be in the beginning of October 2018. The group is committed to maintaining a diverse and inclusive environment.

The optimal candidate will have:

- Completed a Master of Science in Neuroscience, Cognitive Science, Psychology or related fields. Candidates will be considered if they are close to finish their Master.
- Strong interest in affective neuroscience, fear/anxiety research and individual differences.
- Experience with programming skills (e.g., Matlab, R) is advantageous.
- Experience in conducting and analyzing neuroimaging or behavioral experiments is advantageous.
- Experience with Virtual Reality, psychophysiology or Mplus (latent variable modeling program) is a plus.
- Enjoys to analyze large datasets composed of different modalities.
- Excellent skills in English (written and oral)

Please send your **application as a single pdf document** to t.lonsdorf@uke.de. Please include the following documents: CV including contact details, copy of masters degree, a brief research statement as well as contact information of two academic referees.