The Weber Group of **Institute of Experimental Epileptology and Cognition Research (IEECR)** of **Bonn University Hospital** invites applications for a position as

PhD student (f/m/d) in cognitive neuroscience

The position starts on July 1st 2020, is part of the EU-funded project DIGYMATEX and limited to three years.

In the Weber Group, currently led by PD Dr. Johannes Schultz, we conduct innovative interdisciplinary research into the neural mechanisms of human decision-making. Our methods are drawn from psychophysics, neuroeconomics, computational neuroscience, functional and structural MRI and eye-tracking; our experiments are influenced by concepts from neuroscience, behavioural and experimental economics as well as cognitive and social psychology. Our goal is to integrate physiological and behavioural data to further our understanding of the deliberation process and motivation behind a given decision, with the goal of improving models of human choice behaviour. We study value-based and perceptual decision-making in different domains, with a particular focus on basic processes underlying social interactions and food choice; are interested in understanding the influences of social contexts and norms on decisions and behavior, and how these factors change the weighting of different choice attributes; and the neural bases of the heterogeneity and determinants of individual preferences.

The DIGYMATEX project is a consortial (12 partners), EU-funded project that aims to provide tools to help understand children's digital maturity.

Your responsibilities:
- Participate in reviewing the literature on self-control, internet use and other relevant decision-making processes;
- Conduct eye-tracking studies in children aged 9-16 and fMRI studies in adults;
- Publication and presentation of the project results at national and international conferences;
- Participation in project meetings at the different network partner sites.

Your qualification:
- High enthusiasm and motivation for human cognitive neuroscience research in general, and for the topic investigated in this project in particular;
- Studies in cognitive neuroscience, developmental psychology, neuroeconomics or other relevant discipline;
- Required: experience in basic scientific skills (statistical analysis using software such as SPSS, R, Matlab, JASP; academic writing; presentation skills);
- Desirable: experience in conducting neuroimaging experiments and in analysing fMRI data (SPM, FSL, AFNI or similar); experience with eye-tracking studies; experience in programming experiments (PsychToolbox other Matlab tools, PsychoPy or other Python tools, or similar);
- Excellent communication and writing skills in the English language, proficiency in German desirable;
- Well-organized team player;
- Very good communication and presentation skills.

What we offer:
- An exciting position in a dynamic, interdisciplinary team;
- Flexible working hours and career programmes;
- Employment, salary and social benefits are in accordance with Public Sector Collective Agreement (TV-L EG 13, 65% position).

If you are interested in this position, please send your complete application documents including a cover letter, CV, and statement of research skills and interests in one PDF document via email until May 18th, 2020. Please refer to the reference number 278_2020.

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