Research Positions for PhD-Candidates: RTG2416 MultiSenses-MultiScales

(RWTH Aachen University/Germany)

The interdisciplinary **Research Training Group 2416 MultiSenses – MultiScales**:
Novel approaches to decipher neural processing in multisensory integration is funded by the Deutsche Forschungsgemeinschaft (GRK 2416) and provides an exciting research and training environment for a cohort of motivated PhD/doctoral candidates.

Multisensory processes are fundamental in scaffolding perception, cognition, learning, and behavior. However, the structural and functional architecture that underlies the brain's ability to seamlessly integrate simultaneous multisensory inputs is poorly understood. Therefore, the goal of the **RTG 2416 MultiSenses – MultiScales** is to **gain a conceptual understanding of the mechanisms that govern crossmodal integration of sensory information at multiple scales.** The RTG will provide in-depth expertise in sensory neurobiology, foster the spirit of transdisciplinary collaboration, and offer hands-on training in a variety of cutting-edge techniques.

We aim to train expert individuals that make the transition **from cells to systems and behaviour**. A coherent, though flexible curriculum will build a solid foundation in the core concepts of neuroscience. Combined with innovative qualification elements, professional skill development and – most importantly – the opportunity to conduct independent research in a nurturing environment, we aim to train neuroscientists that can compete at the highest international level.

Several positions are available, starting **October 1, 2021** . Each position is funded for a period of three years. Given the interdisciplinary character of the RTG, candidates from diverse background (including, but not limited to, life sciences, physics, computer sciences, engineering) should apply.

Successful applicants should have an excellent Master's degree (or equivalent) in any of the relevant fields (e.g., biology, physics, chemistry, medicine, computer science, technical acoustics, bioinformatics, modeling, image analysis, etc.). **Fluency in English** and a basic **understanding / interest in quantitative methods and programming** are expected.

More information on:
www.rtg2416.rwth-aachen.de

The application must comprise a CV, a detailed statement of the candidate's motivation to join the RTG2416 MultiSenses-MultiScales, transcripts of records and names / contact information of two references.

Please submit applications as single .pdf file to
m.spehr@sensorik.rwth-aachen.de
by August 13, 2021.