

## Job Opening at Dpt. Ophthalmology (Univ. of Magdeburg, Germany)

### **PhD position in Visual Neuroscience [European Marie-Curie Innovative Training Network: NextGenVis]**

The Visual Processing Laboratory at the Department of Ophthalmology (University of Magdeburg) is seeking a PhD-candidate to join the European Marie-Curie Innovative Training Network (ITN) [NextGenVis](http://www.nextgenvis.eu/). The appointment will commence between 1st October 2015 to 1st February 2016 and will be for 36 months.

The NextGenVis Training Network has brought together leading vision scientists across the academic, health and technology sectors. You will be working on the project "[Quantifying changes in cortical connectivity and directionality of information flow](#)", which aims at the detailed analysis of the fine-structure of the human visual cortex. We are specifically interested in the functional specialization, interaction, and plasticity of areas of the visual cortex in controls and patients with visual impairment. For this purpose we use high-resolution functional magnetic resonance imaging at 7 Tesla magnetic field strength to investigate cortical sub-compartments.

You will be joining a team of investigators at the University of Magdeburg and will be supervised by Professor Michael B. Hoffmann. The program offers outstanding excellent students a unique opportunity to be trained as visual neuroscientists using cutting edge approaches within a multidisciplinary international network. It includes, in addition to generous economic support, participation in regular multicenter meetings and student exchange. Successful candidates will be highly motivated, with a keen interest in neuroscience, and ideally have an MSc in vision science, neuroimaging, neuroscience, experimental psychology, biology, physiology, medicine or related area at the time of taking up the appointment. Sound programming skills (preferably in MatLab) and experience with quantitative neuroscience are essential requirements.

In line with the eligibility criteria for Marie Curie Early Stage Researchers, you must, at the time of recruitment, be in the first four years of your research career and not yet have a doctoral degree. These position is only available to those applicants who, at the time of recruitment, have not resided or carried out their main activity (work, studies etc) in Germany for more than 12 months in the last 3 years.

**Information** is available on

- Visual Processing Laboratory: <http://www.med.uni-magdeburg.de/fme/kauge/vpl>
- NextGenVis: <http://www.nextgenvis.eu/>
- PhD-Project: <http://www.nextgenvis.eu/projects-partners/#ogum>

**Informal enquiries** are welcome by Professor Michael B. Hoffmann: [michael.hoffmann@med.ovgu.de](mailto:michael.hoffmann@med.ovgu.de)

**Applications** should be directed to Nextgenvis jobs (subject: "PhD position Magdeburg University"): [jobs@nextgenvis.eu](mailto:jobs@nextgenvis.eu)

Applications will be considered until the position is filled.