A postdoctoral position is available in Marcin Szwed’s lab to work on functional and structural effects of sensory deprivation.

The successful candidate will have a special opportunity to engage in research on a unique, large population of blind subjects using cutting-edge structural neuroimaging techniques.

The researcher will investigate the mesoscopic structure of the cortical sheet (grey matter) in the blind brain by applying quantitative MRI (qMRI) multi-parameter mapping methods. The candidate will be based in Warsaw in the Laboratory of Brain Imaging, Nencki Institute of Experimental Biology, with weekly meetings in Kraków, where the main part of the Szwed lab is located. The project will be carried out in cooperation with Bogdan Draganski, Laboratoire de Recherche en Neuroimagerie at the University of Lausanne.

Applicants must have a PhD (or equivalent) degree in psychology, neuroscience, or a related field including, computer science, applied mathematics, biology, etc. Previous experience in MRI structural imaging is indispensable. Experience in quantitative MRI (qMRI) multi-parameter mapping methods would be beneficial, but is not necessary.

Terms of employment: The position is initially available for 3 years with possible extension. Salary for this position will be approximately 1900 EUR (8000 PLN) net and more than sufficient for a high standard life in Warsaw (average salary in Poland is 3 500 PLN). Starting dates are flexible, beginning from October 2019. Review of applications will begin in June 2019, and continue until the position is filled.

To apply, send a CV, a recent publication, and emails of two potential referees to: mfszwed@gmail.com

Keywords: structural MRI, structural imaging, Biomedical image analysis, MRI methodology, diffusion tensor imaging (DTI), tractography.