

Postdoctoral position available (TMS, auditory plasticity, Kraków)

A postdoctoral position is available in the [Szwed lab](#) at the Jagiellonian University in Kraków, Poland, **to work on functional effects of sensory deprivation**. The successful candidate will have a special opportunity to engage in research on neural plasticity on a unique population of deaf subjects (see e.g. Bola et al, PNAS, 2017) using cutting-edge Transcranial Magnetic Stimulation (TMS) techniques.

The projects' aim will be to explore whether the auditory cortex of the deaf develops new cognitive capacities. A **novel TMS technique, cortico-cortical Paired Associative Stimulation (ccPAS)** will be applied (see e.g. Romei et al., TINS, 2016). The use of functional MRI is also possible. The candidate will be based in Kraków, and, the project will be carried out in cooperation with [Alessio Avenanti](#), Department of Psychology, University of Bologna.

Applicants **must have a PhD** (or equivalent) **degree** in psychology, neuroscience, or a related field including, computer science, applied mathematics, biology, etc., obtained not earlier than in 2012 (extensions possible for parental leave). Previous **experience in TMS or DCS** is indispensable. Experience in cortico-cortical Paired Associative Stimulation (ccPAS) method 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 Krakow (average salary in Poland is 3 500 PLN). Starting dates are flexible, beginning from January 2019. Review of applications will begin in December 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

Postdoctoral position available (structural MRI, visual plasticity, Warsaw)

A postdoctoral position is available in the SzwedLab **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.

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 University of Lausanne.

Applicants **must have a PhD** (or equivalent) **degree** in engineering, neuroscience, or a related field including, psychology, cognitive science, computer science, applied mathematics, biology, etc., obtained not earlier than in 2012 (extensions possible for parental leave). Previous **experience in MRI** imaging is indispensable. Experience in structural MRI and 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 December 2019. Review of applications will begin in November 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