The New Educational Neuroimaging Group Technion, Israel

To what extent does brain structure and function predict the existence of reading and language difficulties in children?

Is the brain capable of changing its structure following training and stories listening?

How do different childhood diseases affect neural networks that underlie reading and language acquisition?

The Educational Neuroimaging Group at the Technion, tries to answer these questions using functional MRI, advanced structural imaging techniques (e.g. Diffusion Tensor Imaging) as well as EEG and eye tracking data.

We are seeking motivated, creative PhD and MsC/ ME students with a background in Biology, Neuroscience, Computer Sciences, Computational/Electrical/Biomedical Engineering interested in joining this dynamic field.

Requirements include:
- B.A. or B.S. in Computer Science, Biomedical/Electrical/Computational Engineering, Neuroscience, Psychology or related fields
- Programming skills are an advantage (e.g., Python, shell scripting, Matlab, R)
- Strong organizational and data management skills
- Knowledge of statistical analysis (ANOVA, regression)

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