

# Neuroscience of Language Lab — Reading and Speaking Arabic

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**POSITION TITLE:** RESEARCH ASSISTANT

**RESEARCH PROJECT TITLE:** NEUROSCIENCE OF LANGUAGE LAB: READING AND SPEAKING ARABIC

**FACULTY NAME & TITLE:** ALEC MARANTZ & LIINA PYLKKÄNEN, PROFESSORS OF LINGUISTICS AND PSYCHOLOGY, NYU,  
CO-DIRECTORS OF THE NEUROSCIENCE OF LANGUAGE LAB, NYU ABU DHABI INSTITUTE

## RESEARCH PROJECT DESCRIPTION

RA is needed for three related magnetoencephalography projects involving Arabic. 1. Investigation of the neural bases of dyslexia and the efficacy of intervention, 2. Investigation of the use of morphological knowledge in the auditory processing of Arabic words (Modern Standard and Emirati Arabic), 3. Investigation of the neural bases of word combinations in phrases and sentences, both in comprehension and production.

## RESPONSIBILITIES OF THE POSITION

- Help design Arabic-language experiments (behavioral and MEG)
- Help coordinate studies with dyslexia centers, schools, and local universities
- Help run child and adult Arabic subjects in MEG lab
- Be involved in every step in the planning, execution, and analysis of neuroscience experiments (to acquire skills in experimentation and communication of results)

## ESSENTIAL QUALIFICATIONS:

Background in psychology and/or linguistics  
Fluency in Arabic  
Experience with children  
Management and organizational skills  
Some computational skills  
Clear, concise writing

## PREFERRED EXPERIENCE / SKILLS:

Experience with EEG or MEG data, or related electrophysiological measurements  
Statistics  
Experimental design

**APPLICANTS TO PROVIDE:**

1. Statement of interest in the position
2. Transcript of degree(s)
3. CV
4. Two letters of recommendation