

The Language, Logic and Cognition Center is
happy to announce a series of lectures to be

held on **May 26th** at **12:30-16:00**

and **May 29th** at **10:30-14:00**

The meetings will take place in **room 200**,
The Australian Research and Graduate Studies Complex,
Near the School of Education, Mount Scopus Campus

Neuroanatomy of language **Basis, concepts and functional relevance**

Prof. Katrin Amunts

(Heinrich-Heine Universität Düsseldorf)

Syllabus:

Results of neuroimaging studies on language cannot be understood without knowing the anatomy of the brain, and the way how brain structure influences the interpretation of the results through interaction with image processing. The course will provide an introduction and critical overview of classical and modern approaches for studying the anatomy of the brain. It is aimed at a multidisciplinary audience, and will provide an introduction to brain macroscopy, gross anatomical landmarks and its inter-subject variability, the microstructural and molecular organization of the brain including cortical segregation, and the representation of linguistic functions with respect to organization principles. 3D- Polarized Light Imaging will be introduced as a powerful tool for analyzing fiber bundles and single axons at microscopical resolution. Anatomical methods will be discussed with respect to their advantages, disadvantages and potential pitfalls as it concerns anatomy. The relevance of anatomical knowledge for the interpretation of structural and/or functional imaging data will be made explicit.

If you would like to be notified about similar events in the future, please write to lcc@mail.huji.ac.il to be added to the Language, Logic and Cognition Center mailing list.