

The CCN Executive Committee invites you to the Inaugural Speaker Series lecture by



Dr. Katrin Amunts

Director, Institute for Neuroscience and Medicine
Structural and Functional Organization of the Brain
Jülich Research Center, Germany
Director, Cecile and Oscar Vogt Institute of Brain Research
University Hospital, University of Düsseldorf

“Mapping Language Regions: Concepts, Tools and Perspectives”

1-2:30pm, Conrad Prebys Aztec Center Theatre, 2nd Floor
2:30-3:30, Light reception to follow on the 4th floor outdoor terrace

Results of neuroimaging studies on language cannot be understood without knowing the anatomy of the brain, and the way brain structure influences the interpretation of the results through interaction with image processing. The talk will provide an introduction and critical overview of classical and modern approaches for studying the anatomy of the brain, including gross anatomical landmarks and its intersubject variability, the microstructural and molecular organization of the brain including cortical segregation, and the representation of linguistic functions with respect to such organization principles. The talk will demonstrate an extended parcellation of Broca's region, based on a multimodal mapping approach. Cytoarchitectonic probabilistic maps represent a tool to analyze the relevance of architectonic areas for brain function. 3D- Polarized Light Imaging will be introduced as a powerful tool for analyzing fiber bundles and single axons at microscopic resolution as a prerequisite to understand the anatomical correlates of language processing.

Paid parking is available in PS6.

<https://sunspot.sdsu.edu/map/display.cgi?scaleFrom=medium&zoom=low&zoomX=2208&zoomY=1400>

Upcoming talks

Fridays from 1-2:30 at the Conrad Prebys Aztec Center Theatre

Friday, December 5th: Vinod Menon, Professor of Psychiatry & Behavioral Science, Stanford

Friday January 30: Brad Schlagger, Associate Professor of Neurology, Anatomy & Neurobiology, Radiology and Pediatrics, Washington University School of Medicine

<http://slhs.sdsu.edu/ccn/events/speaker-series/>