

NEUROANATOMICAL FOUNDATIONS OF COGNITIVE COMPUTATION WORKSHOP

Date held: 26 February 2019

Time: 09:30 – 17:30

Location: Max Planck Institute for Psycholinguistics, Nijmegen, Seminar Room 163

Featured Speakers: Helen Barbas, Katherine Bryant, Chris de Zeeuw, Kevan Martin, Karl Zilles

Ultimately, human linguistic capacity is constrained by neurobiology, and modern efforts in the neurobiology of language can be largely summarized with the central question, "How does the brain create language?" With this foundational question, we establish the brain itself, its construction, topographical principles, and biomechanical and computational properties as central to our understanding of a singular evolutionary achievement and our shared focus of study. Language in Interaction is therefore pleased to host a workshop targeting human and comparative neuroanatomy. Invited experts representing a range of disciplines and perspectives within neuroanatomy will present and discuss their expertise with participants. The goal of this workshop is to establish a greater understanding of the different means of characterizing brain structure, and the consequences of different parcellation schemes on the understanding of brain function.

This workshop will offer talks throughout the day and culminate in a panel debate. Talks will include discussion of comparative neuroanatomy, genetic properties of neurons, large scale organization of the brain, current viewpoints regarding basic computational units in the brain, and the role of laminar histological structure.

Space will be limited in order to encourage active interdisciplinary dialogue and to foster more direct interaction with the speakers. Anyone with a strong interest in how the brain's organizing principles help shape and constrain human cognitive capacity is therefore highly encouraged to register quickly.

Lunch (vegetarian and vegan) will be provided, and drinks will follow the workshop.

Programme

NEUROANATOMICAL FOUNDATIONS OF COGNITIVE COMPUTATION	
9.30–registration opens (coffee&tea served)	
10.00-10.15 – Welcome Speech	Peter Hagoort
10.15-11.10- I talk	Helen Barbas
11.10-11.30 – coffee break	
11.30-12.25– II talk	Karl Zilles
12h25-13h30 – lunch	
13.30-14.25 – III talk	Kevan Martin
14.25-14.35 – break	
14.35-15.30 – IV talk	Katherine Bryant
15.30-15.50 – coffee break	
15.50-16.45 – V talk	Chris de Zeeuw
16.45-17.30 – discussion panel (Q&A)	Roshan Cools
17.30-19.00 borrel	
20h00 Workshop Dinner (speakers only)	