



**Neurocenter**

# The Temporal Lobes – Language and beyond

8<sup>th</sup> Symposium on Behavioral Neurology

Lucerne, 10 May 2019

# Editorial

Dear colleagues,

it is our great pleasure to invite you to the 8th Symposium on Behavioral Neurology in Lucerne, Switzerland, taking place on May 10, 2019. The topic of the symposium will be "The Temporal Lobes – Language and beyond". Since the seminal works of Paul Broca and Carl Wernicke in the late 19th century, language and its acquired disorders as well as the investigation of the neuroanatomy and the connectivity of the temporal lobes, amply involved in language processing, have become a hotspot of neuroscience research. Brain damage in the temporal lobes, mostly in the left hemisphere, might cause aphasia, a language disorder affecting verbal communication and consequently the patient's participation in social life. A well-founded understanding of this disorder, as well as its theoretical background, neuroanatomical correlations and treatment options is therefore required.

We are very pleased that internationally renowned speakers and promising young scientists agreed to participate and share their expertise and latest findings with us. The symposium will be of interest for neurologists, neuropsychologists, cognitive neuroscientists and language therapists engaged in research, treatment and care of patients. We look forward to inspiring talks and lively discussions.



Prof. Dr. Stephan Bohlhalter  
Head Neurology and Neurorehabilitation  
Center, Luzerner Kantonsspital



Prof. Dr. Thomas Nyffeler  
Head Neurorehabilitation  
Luzerner Kantonsspital



PD Dr. Tobias Pflugshaupt  
Senior Neuropsychologist  
Luzerner Kantonsspital



Monica Koenig-Bruhin  
Senior Language Therapist  
Luzerner Kantonsspital

# Speakers

- Jean-Marie Annoni** Professor of Neurology, University and Hospital of Fribourg, Switzerland
- Stefano Cappa** Professor, Neuroscience IUSS Pavia; Head of the Cognitive Neuroscience Unit, San Raffaele Scientific Institute, Milan (I)
- Stanislas Dehaene** Professor of Experimental Cognitive Psychology, Collège de France, Paris (F); Director of the Inserm-CEA Cognitive Neuroimaging Unit, Gif sur Yvette (F)
- Argye Hillis** Professor of Neurology and Director of the Center of Excellence in Stroke Detection and Diagnosis, Johns Hopkins University School of Medicine, Baltimore (USA)
- Matthew Lambon Ralph** Professor of Cognitive Neuroscience, Division of Neuroscience and Experimental Psychology, University of Manchester (GB)
- Maria Pestalozzi** M.Sc., PhD Student, Department of Medicine, Neurology, University of Fribourg, Switzerland
- Basil Preisig** PhD, Donders Institute for Brain, Cognition and Behaviour, Neurobiology of Language Group, Nijmegen, The Netherlands
- Grégoire Python** PhD, Faculty of Psychology and Educational Sciences, University of Geneva; Neurorehabilitation Unit, Department of Clinical Neuroscience, CHUV Lausanne, Switzerland

Organised by  
Neurocenter, Luzerner Kantonsspital

# Programm

Friday, 10 May 2019, Lucerne

9.30 h

## **Welcome**

Stephan Bohlhalter, Thomas Nyffeler

**Chair: Tobias Pflugshaupt**

10.00 h

## **Stanislas Dehaene, Paris, F**

From words to sentences: the cortical circuits of reading

11.00 h

## **Matthew Lambon Ralph, Manchester, UK**

The neural bases of semantic cognition and its disorders

12.00 h

## **Lunch**

**Chair: Monica Koenig**

13.00 h

## **Argye Hillis, Baltimore, US**

Predicting recovery in acute poststroke aphasia

**With friendly support of**



SWISS NATIONAL SCIENCE FOUNDATION

14.00 h

**“Young researchers”**

**Basil Preisig, Nijmegen, NL**

The impact of transcranial electric stimulation on speech perception and production

**Maria Pestalozzi, Fribourg, CH**

Prefrontal transcranial direct current stimulation: a cue to facilitate lexical access in chronic aphasia?

**Grégoire Python, Geneva, CH**

The role of the left temporal lobe in word production: lesion-to-symptom mapping evidence

15.00 h

**Coffee Break**

**Chair: Thomas Nyffeler**

15.30 h

**Jean-Marie Annoni, Fribourg, CH**

Language and the Executive Functions

16.30 h

**Stefano Cappa, Milano, I**

Language and Neurodegeneration

17.30 h

**Discussion**

## Participation is free

## Registration

- There will be a registration table at the conference but we kindly ask for registration in advance under: [www.luks.ch/veranstaltungen/8th-symposium-behavioral-neurology-lucerne-neuroimmunology-and-behavior](http://www.luks.ch/veranstaltungen/8th-symposium-behavioral-neurology-lucerne-neuroimmunology-and-behavior)

## Accommodation

- The wonderful city of Lucerne offers a lot of nice accommodations in the city center. From there the hospital can easily be reached by bus or by foot in around 20 minutes.
- Hotels in Lucerne: [www.luzern.com/en/hotel-unterkunft](http://www.luzern.com/en/hotel-unterkunft)

## Credits

- SNG 6 points

## Location

- Luzerner Kantonsspital  
6000 Lucerne  
Switzerland  
Lecture Hall, 3<sup>rd</sup> floor

## Contact

- If you need further information, please contact us by e-mail: [carola.gudde@luks.ch](mailto:carola.gudde@luks.ch)

