



Neurocenter

## The many faces of stroke recovery

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

Lucerne, 12<sup>th</sup> May 2023

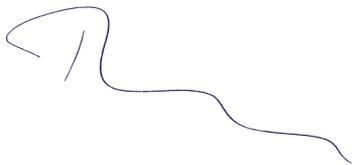
# Editorial

Dear colleagues,

“The Brain - is wider than the Sky - For - put them side by side - The one the other will contain - With ease - and you - beside”, wrote Emily Dickinson in 1862. As wide and multifaceted the capabilities of the human brain are, as profound and diverse the effects of stroke can be. It's not by chance that stroke remains one of the most prominent causes of disability-adjusted life years: stroke and its recovery have many faces.

It is our great pleasure to invite you to the 10<sup>th</sup> anniversary of the Symposium on Behavioral Neurology in Lucerne, Switzerland, taking place on May 12<sup>th</sup>, 2023. With the 10<sup>th</sup> anniversary edition, we want to celebrate the diversity of subjects and approaches in stroke recovery research. In a partial review of the past annual editions of the Symposium, we selected four fascinating research areas: motor impairments, neglect, language impairments, and apraxia. We are very pleased that, again, internationally renowned speakers and promising young scientists agreed to participate and share their expertise and latest findings with us.

We are proud that the Symposium on Behavioral Neurology in Lucerne is becoming a tradition, and we look forward to welcome numerous recurring and new attendees, in an interdisciplinary audience of neurologists, neuropsychologists, cognitive neuroscientists, psychiatrists, physiotherapists, occupational therapists, and speech and language therapists engaged in research, treatment and care of patients. We look forward to inspiring talks and lively discussions.



Prof. Dr. med. Stephan Bohlhalter  
Chair Neurocenter  
Luzerner Kantonsspital



Prof. Dr. med. Thomas Nyffeler  
Head Neurorehabilitation  
Luzerner Kantonsspital



Prof. Dr. med. Tim Vanbellinghen  
Head Motor Rehabilitation  
Luzerner Kantonsspital



PD Dr. phil. Dario Cazzoli  
Head Neurovisual Rehabilitation  
Luzerner Kantonsspital

# Speakers

**Nick Ward**

Professor of Clinical Neurology and Neurorehabilitation  
University College London (UK)

**Janne Veerbeek**

Physical Therapist and Senior Researcher  
Lucerne Cantonal Hospital LUKS (CH)

**Paolo Bartolomeo**

Professor of Neurology  
Sorbonne University, Paris Brain Institute ICM (FR)

**Fabrizio Doricchi**

Professor of Neuropsychology  
La Sapienza University, Rome (IT)

**Natacha Cordonier**

Speech & Language Therapist and Postdoctoral Researcher  
University of Neuchâtel (CH)

**Brigitte Kaufmann**

Neuropsychologist and Postdoctoral Researcher  
Lucerne Cantonal Hospital LUKS (CH)

**Alex Leff**

Professor of Cognitive Neurology  
University College London (UK)

**Cornelius Weiller**

Professor of Neurology  
University Medical Center Freiburg (DE)

**Joachim Hermsdörfer**

Professor of Human Movement Sciences  
Technical University of Munich (DE)

**Peter H. Weiss-Blankenhorn**

Professor of Cognitive Neurology  
University Hospital Cologne (DE)

Organised by  
Neurocenter, Lucerne Cantonal Hospital

# Programm

Friday, 12<sup>th</sup> May 2023, Lucerne

09:00 h **Welcome**  
Stephan Bohlhalter, Thomas Nyffeler, Tim Vanbellinggen, Dario Cazzoli

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## **Motor impairments after stroke and their recovery**

Chair: Tim Vanbellinggen

09:20 h **Mechanisms and treatment of upper limb impairment after stroke**  
Nick Ward, London (UK)

10:00 h **Prediction of motor (cognitive?) recovery after stroke**  
Janne Veerbeek, Lucerne (CH)

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## **Neglect after stroke and its recovery**

Chair: Dario Cazzoli

10:40 h **Compensation of stroke-induced cognitive deficits: a tale of two hemispheres**  
Paolo Bartolomeo, Paris (FR)

11:20 h **New insights into spatial neglect from EEG investigations**  
Fabrizio Doricchi, Rome (IT)

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12.00 h **Lunch**

With friendly support of



## **Young researchers' session**

- 13:00 h **Recovery of nonliteral language impairments following right hemisphere damage: what do we know?**  
Natacha Cordonier, Neuchâtel (CH)
- 13:20 h **It takes three to tango – Joint impact on attention, alertness, and inhibition of lesions at a frontal white matter crossroad**  
Brigitte Kaufmann, Lucerne (CH)
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## **Language impairments after stroke and their recovery**

Chair: Thomas Nyffeler

- 13:40 h **Dosage, intensity, and frequency of language therapy for aphasia**  
Alex Leff, London (UK)
- 14:20 h **Mechanisms and factors in recovery from stroke**  
Cornelius Weiller, Freiburg (DE)
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- 15:00 h **Coffee Break**
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## **Apraxia after stroke and its recovery**

Chair: Stephan Bohlhalter

- 15:40 h **Apraxia in everyday hand actions and use of assistive technology**  
Joachim Hermsdörfer, Munich (DE)
- 16:20 h **Cognitive and clinical aspects of apraxia**  
Peter H. Weiss-Blankenhorn, Cologne (DE)
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- 17:00 h **General discussion, concluding remarks and closing of the Symposium**

# General information

## Registration

- There will be a registration desk at the conference, but we kindly ask for registration in advance under:  
[10th Symposium on Behavioral Neurology](#)

## 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:  
[Luzern.com/en/bookings/hotels](http://Luzern.com/en/bookings/hotels)

## Contact

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

## Credits

- SGN 6 points

## Location

- Luzerner Kantonsspital  
6000 Lucerne  
Switzerland  
Lecture Hall, 3rd floor



Luzerner Kantonsspital | Neurozentrum  
Spitalstrasse | 6000 Luzern 16 | [luks.ch/neurozentrum](http://luks.ch/neurozentrum)

Rechtsträger für den Betrieb des Luzerner Kantonsspitals ist die LUKS Spitalbetriebe AG