



Neurocenter

# Cognitive-behavioral topics in epilepsy and neurooncology

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

Lucerne, 3<sup>rd</sup> May 2024

Joint Symposium with the



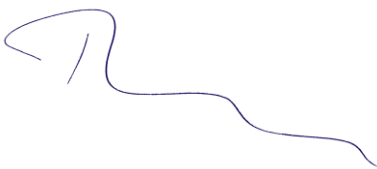
**SWISS** NEURO-ONCOLOGY  
SOCIETY

# Editorial

Dear colleagues,

It is our great pleasure to invite you to the 11th Symposium on Behavioral Neurology in Lucerne, taking place on May 3th, 2024. The Symposium will be devoted to cognitive-behavioral disorders in patients with epilepsy and brain tumors. Cognitive and emotional issues are highly prevalent in these patients. They may considerably affect their quality of life and caregiver burden. The problems are often multifaceted which is reflected in the varied topics of our program. Accordingly, in the morning session on epilepsy limbic functions including ictal phenomena from limbic regions such as transient amnesia or sensation of fear as well as behavioral manifestations of circadian rhythms or social cognition will be covered. The afternoon will focus on neuro-oncology, beginning with an update on neurocognitive deficits that become particularly relevant in long term survivors of glioma. In addition, patients may suffer from cognitive-behavioral sequelae of chemotherapy and antiepileptic medication as addressed in separate talks. Conversely, tumor- and therapy-associated cognitive deficits have implications for medical decision making and the ability to return to work. Finally, pre- and intraoperative mapping of neurocognitive functions is important to minimize the consequences of neurosurgery.

We are very pleased that internationally renowned scientists and promising young colleagues agreed to participate and share their expertise with us. The symposium will be of interest for all health care professionals treating patients with epilepsy and brain tumors, including neurosurgeons, neurologists, oncologists, clinical neuropsychologists and therapists. We look forward to welcome you in the picturesque Lucerne.



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



PD. Dr. med. Katharina Seystahl  
Head of Neurooncology, Neurocenter  
Luzerner Kantonsspital  
Board Member, Treasurer of the Swiss  
Neuro-Oncology Society



Dr. med. Lara Diem  
Head of epileptology  
Luzerner Kantonsspital



Prof. Dr. Thomas Hundsberger  
Leading Physician  
Kantonsspital St. Gallen  
President of the Swiss Neuro-Oncology Society

# Speakers

**Maxime Olivier Baud**

SNF Professor, Sleep-Wake-Epilepsy Center, Center for experimental Neurology, NeuroTec, Department of Neurology, Inselspital Bern, University of Bern

**Lorenzo Bello**

Professor of Neurosurgery, Neurosurgical Oncology Unit, Department of Oncology and Hemato-Oncology, Università degli Studi di Milano

**Jonas Bontà**

Resident, Neurology and Neurorehabilitation Clinic, Neurocenter, Lucerne Cantonal Hospital

**Lara Diem**

Head of epileptology, Neurology and Neurorehabilitation Clinic, Neurocenter, Lucerne Cantonal Hospital

**Thomas Grunwald**

Professor of Neurology, Zurich Epilepsy Institute

**Henric Jokeit**

Professor of Neuropsychology, Department of Neuropsychology, Swiss Epilepsy Center, Zurich, Switzerland

**Johan Koekkoek**

Head of Neurology Outpatient Clinic, Leiden University Medical Center, The Netherlands

**Emilie Le Rhun**

Senior specialist, Department of Neurology and Neurosurgery, University Hospital Zurich

**Tobias Pflugshaupt**

Head of neuropsychology, Neurology and Neurorehabilitation Clinic, Neurocenter, Lucerne Cantonal Hospital

**Katharina Seystahl**

Head of Neurooncology, Neurology and Neurorehabilitation Clinic, Neurocenter, Lucerne Cantonal Hospital

**Michael Weller**

Professor of Neurology, Chairman, Department of Neurology, University Hospital Zurich

# Program

Friday, 3<sup>rd</sup> May 2024, Lucerne

**09:00 h**      **Welcome**  
Stephan Bohlhalter

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**Cognition and epilepsy**  
Chair: Lara Diem

**09:10 h**      **Limbic seizures and functions**  
Thomas Grunwald, Zurich

**09:40 h**      **Cycles in epilepsy**  
Maxime Olivier Baud, Bern

**10:20 h**      **Social cognition in epilepsy patients**  
Henric Jokeit, Zurich

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**10:50 h**      Coffee break

**11:20 h**      **Transient epileptic amnesia: Case report and review of the literature**  
Jonas Bonta und Lara Diem

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**12:00 h**      Lunch

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## **Cognition in Neuro-Oncology**

Chair: Katharina Seystahl, Lucerne

- 13:30 h**      **Longterm survivorship in glioma and neurocognition – data from the German Glioma Network and the Brain Tumor Funders Collaborative Consortium (EORTC 1419)**  
Michael Weller, Zurich
- 14:00 h**      **Medical decision-making in patients with a brain tumor**  
Johan Koekkoek, Leiden
- 14:30 h**      **«Chemobrain?» - Neurocognition and chemotherapy in cognitively impaired cancer patients**  
Emilie Le Rhun, Zurich
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- 15:00 h**      Coffee break
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- 15:40 h**      **Associations of use of levetiracetam with fatigue and neuropsychiatric symptoms in the context of radiochemotherapy in patients with glioblastoma**  
Katharina Seystahl, Lucerne
- 16:00 h**      **Neuropsychological assessments of working capacity and disability**  
Tobias Pflugshaupt, Lucerne
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- 16:20 h**      **New perspectives in preoperative and operative neurosurgical mapping in glioma surgery**  
Lorenzo Bello, Milano
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- 17:00 h**      **General discussion, concluding remarks and closing of the Symposium**
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# General information

## Registration

- There will be a registration desk at the conference, but we kindly ask for registration in advance under:  
[luks.ch/11th-symposium-behavioral-neurology](https://luks.ch/11th-symposium-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](https://Luzern.com/en/bookings/hotels)

## Contact

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

## Credits

- SGN 6 points

## Location

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

