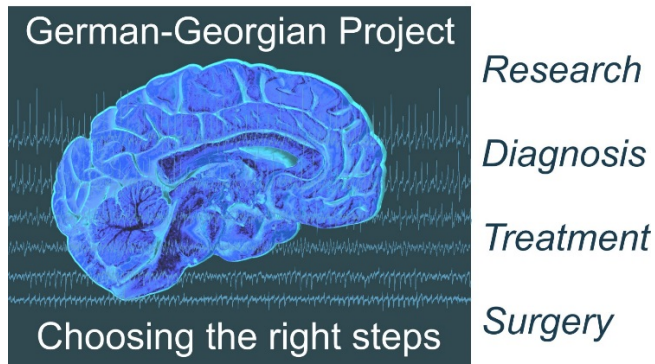


# EpilepCure



## Hallmarks of epileptic brain activity

Conference & Workshop

October 24-27, 2017

Tbilisi, Georgia

Venue: Georgian National Academy of Science

(52 Shota Rustaveli Ave, Tbilisi)

Dear colleagues,

On behalf of the organizing committee, I am pleased to invite you to the Conference & Workshop '[Hallmarks of epileptic brain activity](#)', which will take place on 24 – 27 October 2017 in the Georgian National Academy of Science. The meeting will bring together EU and national physicians and researchers to explore and discuss opportunities and strengths related to the optimization of the pre-surgical epilepsy diagnostics in Georgia, the exchange of scientific ideas and concepts and the establishment of a new research network.

I hope that this international meeting will give rise to new perspectives and cooperation and will contribute to establish long-term relationships in clinic and scientific research. We feel that the topic of our meeting constitutes a timely and exciting growing field for both, clinic and experimental investigation, and look forward to sharing several interesting days with you.

Sincerely yours,

Tengis Gloveli  
Conference Chairman

# Conference

**Tuesday, October 24, 2017**

Registration 09:00-12:00

Opening Ceremony

10:00–11:00 T. Gloveli, M. Holtkamp  
G. Kvesitadze – President of the Georgian National Academy of Science  
R. Shakarishvili – President of the Georgian Union of Neurologists  
Representative of the Ministry of Labour, Health & Social Affairs of Georgia  
Representative of the German Embassy in Georgia

11.00 - 11:30 Coffee break

Plenary lectures (clinic): *Chair Sofia Kasradze*

11:30 - 12:15 **Martin Holtkamp** *Difficult-to-treat epilepsy and the barriers towards resective surgery*

12:15 - 13:00 **Thomas-N. Lehmann** *Invasive approach to pharmaco-resistant epilepsy*

13:00 - 14:30 Lunch

Plenary lectures (clinic): *Chair Martin Holtkamp*

14:30 - 15:15 **Nana Tatishvili** *Neurodevelopmental outcome of early onset epilepsy*

15:15 - 16:00 **Sofia Kasradze** *Situational analysis for the development of epilepsy surgery in Georgia*

16:00 - 16:30 Coffee break

Plenary lectures (basic research): *Chair Imre Vida*

16:30 - 17:15 **Tengis Gloveli** *High-frequency oscillations in the epileptic brain*

**Wednesday, October 25, 2017**

Oral Presentations (clinic): *Chair Nana Tatishvili*

10:00 – 10:30 **Natela Okujava** *Capturing seizures: diagnostic challenges*

10:30 – 11:00 **Giorgi Lomidze** *Epilepsy surgery in Georgia: current experiences and limitations*

11:00 – 11:30 **Viktor Lomadze** *Methods of surgical treatment of symptomatic epilepsy*

11:30 - 12:00 **Vladimir Tsikarishvili** *Perspectives of neurosurgical treatment of epilepsy in Georgia*

12:00 – 13:30 Lunch

Oral Presentations (basic research): *Chair Dietmar Schmitz*

13:30 – 14:00 **Peter Bäuerle** *Analysis of high-frequency oscillations in the normal and epileptic brain*

14:00 – 14:30 **Tamar Dugladze** *Axonal activity and hyperexcitability in epilepsy*

14:30 – 15:00 Coffee break

Plenary lectures (basic research): *Chair Thomas Lehmann*

15:00 – 15:45 **Mark Cunningham** *Why do we need to understand glutamatergic mechanisms in brain tumour related epilepsy?*

15:45 – 16:30 **Imre Vida** *Inhibitory mechanisms in the normal and epileptic brain*

18:00 Get-together

## Workshop

**Thursday, October 26, 2017**

10:00 – 11:00 **Case studies I** – simple cases: Video/MRI/EEG (Holtkamp, Lehmann)

11:00 -11:30 Coffee break

11:30 – 12:30 **Case studies II** – simple cases: Video/MRI/EEG (Kasradze, Tatishvili, Lomidze, Tsikarishvili)

12:30- 14:00 Lunch

14:00 – 18:00 Joint consultation in local clinic

19:00 Dinner

**Friday, October 27, 2017**

10:00 – 11:00 **Case studies III** – difficult cases: Video/MRI/EEG (Holtkamp, Lehmann)

11:00 -11:30 Coffee break

11:30 – 12:30 **Case studies IV** – difficult cases: Video/MRI/EEG (Kasradze, Lomidze, Okujava)

12:30 - 14:00 Lunch

Plenary lectures (basic research): *Chair Tengis Gloveli*

14:00 - 14:45 **Dietmar Schmitz** *Differential embedding of hippocampal output neurons during high-frequency oscillations*

14:45 – 15:15 Closing remarks (Gloveli, Holtkamp, Lehmann, Kasradze)

15:15 End of meeting

15:15 – 18:00 Cultural program at the afternoon (optional)

Schedule at a glance

Registration	Tuesday, October 24, 2017	09:00 – 12:00
	Plenary lectures	30 min (talk) 15 min (disc.)
	Oral Presentations	20 min (talk) 10 min (disc.)

**Organizing committee:** Gloveli (chairman), Dugladze, Kasradze, Kvesitadze, Sadunishvili (Member of the Georgian National Academy of Sciences)

Speaker	Affiliation
Bäuerle, Peter	Institute of Integrative Neuroanatomy, Charité - Universitätsmedizin Berlin, Germany
Cunningham, Mark	Professor in Neuronal Dynamics, Institute of Neuroscience, University of Newcastle, United Kingdom
Dugladze, Tamar	Exzellenzcluster NeuroCure, Institute of Integrative Neuroanatomy, Charité - Universitätsmedizin Berlin, Germany
Gloveli, Tengis	Head of Lab, Neuroscience Research Center, Charité - Universitätsmedizin Berlin, Germany
Holtkamp, Martin	Medical Director, Epilepsy-Center Berlin-Brandenburg, Germany
Kasradze, Sofia	Scientific Director, Institute of Neurology and Neuropsychology, Tbilisi, Georgia
Lehmann, Thomas-Nicolas	Head of clinic of Neurosurgery, Helios Hospital Bad Saarow, Germany
Lomadze, Viktor	Multiprofile Medical Center 'Innova', Tbilisi, Georgia
Lomidze, Giorgi	Director, Institute of Neurology and Neuropsychology, Tbilisi, Georgia
Okujava, Natela	Department of Neuromedicine, Tbilisi State Medical University, Tbilisi, Georgia
Schmitz, Dietmar	Head of Neuroscience Research Center, NeuroCure Cluster of Excellence, Charité - Universitätsmedizin Berlin, Germany
Tatishvili, Nana	Head of Neuroscience Dep. Central Children Hospital, President of Georgian Association of Pediatric Neurology, Tbilisi, Georgia
Tsikarishvili, Vladimir	Head of the neurosurgery Department at Medical Center 'Lancet', Tbilisi, Georgia
Vida, Imre	Head of Institute of Integrative Neuroanatomy, NeuroCure Cluster of Excellence, Charité - Universitätsmedizin Berlin, Germany

This meeting is organized with the financial support of the Federal Ministry of Education and Research of Germany and is carried out within the framework 'Deutsch-Georgisches Jahr 2017'

