

# 15th European Low Grade Glioma Network Meeting

Gdansk, June 15-17, 2023

## PROGRAM

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We are pleased to announce that the 15th European Low Grade Glioma Network Meeting will take place at the European Solidarity Centre in Gdansk (Poland) on June, 15-17, 2023, organized by the Neurosurgeons of the Copernicus Hospital.

A pre-congress course will be held on the 15th of June at the same venue.

The ELGGN (European Low Grade Glioma Network) is an active multidisciplinary European organization of physicians focused on the research and management of diffuse low grade gliomas.

The ELGGN is composed of professionals from different disciplines including: neurosurgery, anesthetics, molecular biology, radiotherapy, oncology, occupational therapy, neurology, neuroimaging, neurolinguistics, and neuropsychology.

The main focus of the meeting is to provide a platform for an interdisciplinary scientific exchange between scientists and clinicians, and to provide an update of recent advances in glioma biology, diagnosis, and treatment. Internationally renowned speakers have agreed to present their newest data on these topics. Furthermore, abstracts for oral presentations are welcome.

We are expecting an exciting scientific exchange and invite you to join us in the beautiful city of Gdansk!

Wojciech Kloc  
Professor of Neurosurgery

## Practical part (workshops) 15th June

### 08:30 – 10:45 **Introduction & Preoperative Planing**

08:30 – 09:00 Registration

09:00 – 09:20 Welcome and Introduction  
(**Wojciech Kloc, Marianella Campos**)

09:20 – 09:50 Preoperative mapping: Principles of nTMS (**Henri Hannula**)

09:50 – 10:30 Preoperative mapping: nTMS for presurgical motor mapping  
(**Jose Lavrador**)

10:30 – 11:10 Preoperative mapping: nTMS for presurgical language mapping  
(**Francesco Vergani**)

11:10 – 11:30 Coffee Break

### 11:30 – 12:40 **Intraoperative tools**

11:30 – 12:00 Preserving function: Principles of intraoperative neurophysiology  
(**Marianella Campos**)

12:00 – 12:40 Preserving function: Mapping modalities (**Kathleen Seidel**)

12:40 – 13:40 LUNCH

### 13:40 – 15:35 **Neurosurgical applications**

13:40 – 14:00 First nTMS experience in Poland, University Clinical Center  
Katowice (**Bartłomiej Błaszczyk, Marcin Setlak**)

14:00 – 14:40 Integrated concept: Planning for function preservation  
(**Francesco Vergani**)

14:40 – 15:20 Integrated concept: Brain mapping in asleep surgery  
(**Kathleen Seidel**)

15:20 – 15:35 Coffee Break

### 11:30 – 12:40 **Hands-on Session (Groups rotations)**

15:35 – 18:05 IONM Workshop (inomed)

nTMS Workshop (Nexstim)

Case presentations and discussion (Speakers)

18:05 – 18:10 Closing remarks

# Theoretical part (lectures) 16th June

**8.30 – 9:00**      **Registration**

**9.00 – 11:00**      **First Session: Surgical and adjuvant strategy in low-grade glioma patients**

*Chairman:* **Hugues Duffau, Wojciech Kloc**

1. The temporo-parieto-occipital junction in the non-dominant hemisphere as a challenging hub for glioma surgery: functional and oncological outcomes (**Marco Conti Nibali**, Milan, Italy)
2. Evaluation of the diagnostic accuracy of stereotactic brain biopsies without intraoperative histopathological verification (**Jakub Wiśniewski**, Gdańsk, Poland)
3. Machine learning-based connectivity-informed personalization of awake surgery: an opportunity for the ELGGN ? (**Emmanuel Mandonnet** Paris, France)
4. Treatment of epilepsy with low-grade glioma (**Maria Mazurkiewicz-Będzinska**, Gdańsk, Poland)

**11:30 – 13:30**      **Second session: Technical nuances of Surgical Treatment of Patients with low-grade glioma**

*Chairman:* **Emmanuel Mandonnet, Leszek Sagan**

1. Impact of optimization of surgical technique for low-grade gliomas on patient survival: a single-center experience (**Stanisław Adamski**, Gdańsk, Poland)
2. Awake craniotomy for cognitive mapping: King's College experience (**Francesco Vergani**, London, UK)
3. Resectability of LGG in children. The limited role of tractography and intraoperative neuromonitoring (**Leszek Sagan**, Szczecin, Poland)
4. Meta-networking brain and implications for low-grade glioma management (**Hugues Duffau**, Montpellier, France)

**13:30 – 15:00**      **LUNCH**

**15:00 – 16:30    Surgical Approaches and Functional Organization  
of the Motor System**

*Chairman: Kathleen Seidel, Francesco Vergani*

1. Intraoperative neurophysiology of the motor system- different methods and stimulation paradigms (**Kathleen Seidel**, Bern, Switzerland)
2. Repeat Surgeries in glioma patients: tips and Tricks from single-center experience (**Marco Conti Nibali**, Milan, Italy)
3. Perioperative nTMS and connectomics for function-guided neurooncology (**Sebastian Ille**, Munich, Germany)
4. Understanding functional re-organisation in the neural systems for reading and object naming system in patients with gliomas (**Justyna O. Ekert**, University College, London, UK).
5. Transcranial magnetic stimulation and motor-eloquent glioma grading (**José Pedro Lavrador**, King's College Hospita, London, UK)

**16:30 – 18:00    Fourth session: Brain Mapping and Cognitive Functions**

*Chairman: Marianella Campos, José Pedro Lavrador*

1. Sound, meaning, and white matter. Dual pathway model for language and pre- to postoperative care in brain surgery (**Joanna Sierpowska**, Nijmegen, The Netherlands, Barcelona, Spine)
2. A novel cognitive cortico-subcortical mapping module with combined continuous multimodal tasking and intermittent stimulation/resection (**Henry Colle**, Gent, Belgium)
3. How do language and cognition change after brain tumor surgery? – from whole-sample to individualized approach (**A. Gasa-Roqué**, Barcelona, Spain)
4. Functional reorganization of language brain areas in high grade glioma patient after neuropsychological therapy – an fMRI study (**Anna Marcinkowska**, Gdańsk, Poland)
5. Differential effects of linguistic stimuli: Evidence from VLSM, TMS, and awake surgery (**Effy Ntemou**, Groningen, Netherlands)

**20:00 – 23:00    Dinner at Artus Court Restaurant**

# Theoretical part (lectures) 17th June

**9:00 – 12:00**      **Fifth session: Basic science in low-grade glioma**

*Chairman:* **Wiesława Grajkowska, Sebastian Ille**

1. WHO CNS5 classification of low grade gliomas in neuropathological practice (**Wiesława Grajkowska**, Warszawa, Poland and **Ewa Iżycka-Świeszewska**, Gdańsk, Poland)
2. WHO Tumor Grading during Awake Surgery: the impact of Arousal in Motor Excitability (**Ana Mirallave Pescador**, King's College Hospital, London, UK)
3. Transcranial Magnetic Stimulation and Motor-Eloquent Glioma Grading (**José Pedro Lavrador**, King's College Hospital, London UK)
4. MirrorSys: a task for subcortical mapping of the right non-dominant hemisphere (**Garazi Bermudez**, Bilbao Spain)
5. Return to work after surgical treatment of low-grade glioma. A single-centre retrospective analysis. (Piotr Stogowski, Gdańsk, Poland)

## Round table discussion

**12:00**      **The end of the conference**

Summary of the conference and planning the next one

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