

2006 - 2026

years

# PROGRAM

April 23-25 2026

# MONTPELLIER



europaean  
low-grade glioma  
network



Dear colleagues and friends of the European Low-Grade Glioma Network (ELGGN), the 20th edition of the ELGGN annual meeting will take place in Montpellier, on **April 23-25, 2026**.

For two decades, the ELGGN has united neurosurgeons, neuroscientists, neuro-oncologists, neuroradiologists, and rehabilitation specialists around a common goal : to understand and preserve the human brain while improving the lives of patients living with diffuse low-grade gliomas.

Founded on a spirit of collaboration, open dialogue, and translational research, the ELGGN has grown into a dynamic community that bridges clinical expertise and neuroscience innovation across Europe and beyond. Together, its members have shaped the modern concepts of functional neuro-oncology — redefining how we map, operate, and monitor brain plasticity in glioma patients.

The 20th Anniversary Congress in Montpellier will celebrate this collective journey and look ahead to the future of low-grade glioma care.

Join us where it all began — at the crossroads of science, surgery, and human resilience — as we honor twenty years of progress and envision the next era of functional, multidisciplinary, and personalized neuro-oncology.

**Prof. Hugues DUFFAU**

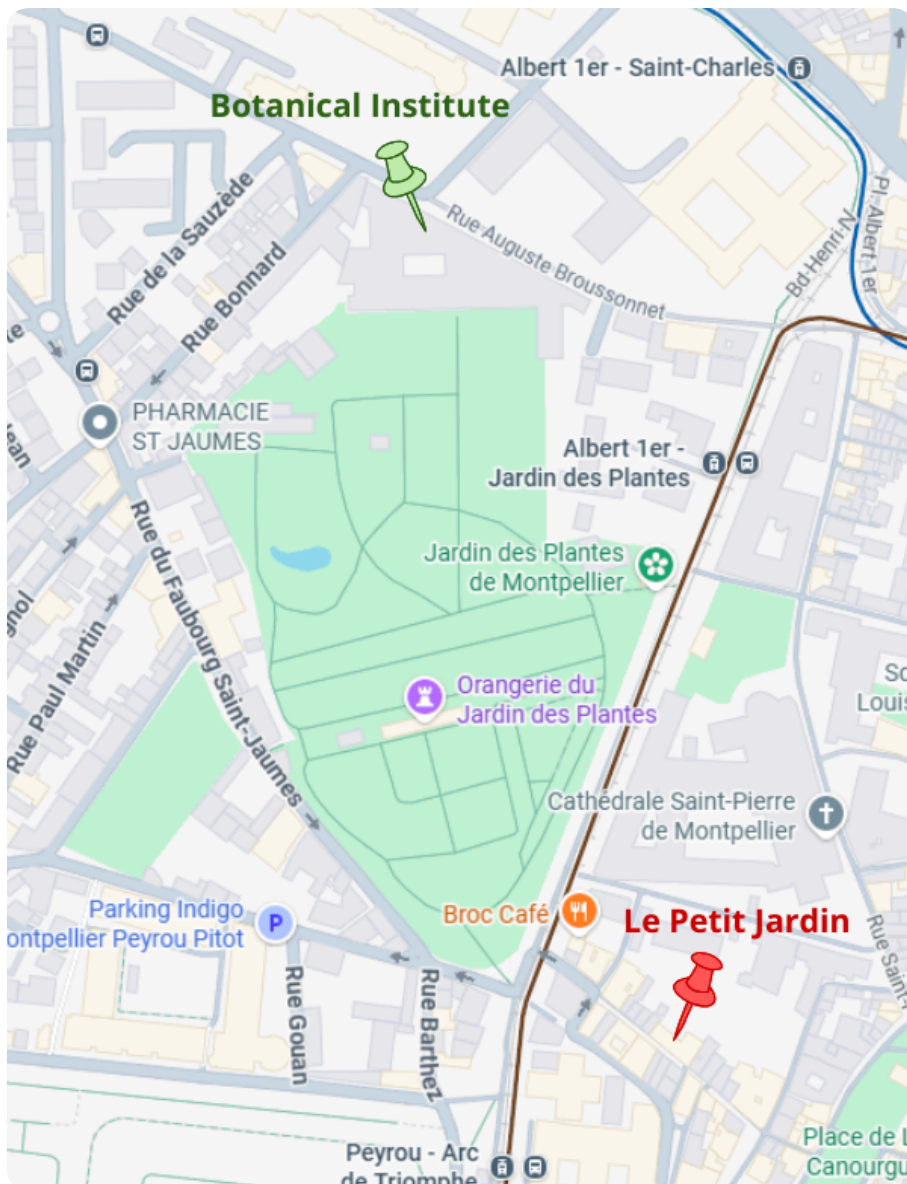


**Dr. Sam NG**



# VENUE: THE BOTANICAL INSTITUTE

Nestled in the historic heart of Montpellier, the Botanical Institute of the University of Montpellier offers a stunning setting where science, history, and culture converge. Standing beside the Jardin des Plantes, France's oldest botanical garden, it provides an inspiring backdrop for the 20th Anniversary Meeting of the European Low-Grade Glioma Network, where tradition meets innovation in the pursuit of scientific progress.



## Location

163 rue Auguste Broussonnet,  
34090 Montpellier

## Access - Tramway

- Line 1 – Place Albert 1er
- Line 4 – Albert 1er – Jardin des Plantes

## Social Event

Friday, April 24, 20:00

Le Petit Jardin

20 rue Jean Jacques Rousseau,  
34000 Montpellier

# CONFERENCE COMMITTEES

## ABSTRACT SELECTION



**Dr. Amélie DARLIX**  
*Neuro-oncologist*  
ICM Montpellier



**Dr. Guillaume HERBET**  
*Neuropsychologist*  
CHU Montpellier

## ORGANIZING COMMITTEE



**Mary VROT**  
*Congress coordinator*  
CHU Montpellier



**Basile MARTIN**  
*Neuropsychologist*  
CHU Montpellier



**Dr. Ilyès ALIOUAT**  
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**Dr. Elisabeth FABRE**  
*Clinical Research Associate*  
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## REGISTRATION CONTACT



**Pauline SPILERS**  
*Congress coordinator*  
CHU Montpellier  
✉ [elggn2026@chu-montpellier.fr](mailto:elggn2026@chu-montpellier.fr)

# THURSDAY, APRIL 23

08:00 Registration & Welcome Coffee

09:30 Introduction by Prof. Hugues Duffau

## SESSION 1: IDH-mutant low-grade gliomas: neuro-oncological strategies, philosophical approaches & therapeutic advances.

*Moderators: Roger Stupp & Luc Taillandier*

09:45 Diffuse Low-Grade Gliomas: A Medical Perspective on a Personalized, Functional, Preventive, and Interactive Multistage Therapeutic Strategy Over Nearly Three Decades. [Luc Taillandier \(Nancy, France\)](#)

10:15 Mapping the Journey: Predicting Quality of Life in Low-Grade Glioma. [Martin Klein \(Amsterdam, Netherlands\)](#)

10:45 Incidental Low-Grade Glioma: Early Surgery Matters. [Tamara Ius \(Padova, Italy\)](#)

11:15 Low-grade Glioma: from Clinical Trials to Clinical Practice. [Roger Stupp \(Chicago, USA\)](#)

11:45 Neurosurgeon and Neuro-oncologist : approaches to the management of diffuse Low-Grade Gliomas. *Sponsored by Servier.* [Amélie Darlix \(Montpellier, France\)](#) & [Philippe Schucht \(Bern, Switzerland\)](#)

12:30 Lunch Break  
14:00

## SESSION 2: Brain-Glioma interactions: molecular, synaptic, network and cognitive dimensions — translating from the bench to bedside and operating theater.

*Moderators: Guillaume Herbet & Matthew Tate*

14:00 The neuroscience of gliomas. *Virtual conference.* [Michelle Monje \(Stanford, USA\)](#)

14:30 Linking network variability to performance in glioma patients. [Natalie Voets \(Oxford, UK\)](#)

15:00 Glioma-Induced neurocognitive network reorganization: Next steps toward a mechanistic understanding. [Guillaume Herbet \(Montpellier, France\)](#)

15:30 Hijacking, functional reorganizations, and plasticity: what can be useful to the patients and to future clinical applications. [Thiebaud Picart \(Lyon, France\)](#)

16:00 Coffee Break

## SESSION 3: White matter functional anatomy.

*Moderators: Geert-Jan Rutten & Natalie Voets*

17:00 Neuroanatomy of the functional subcortical brain areas. [Juan Martino \(Santander, Spain\)](#)

17:30 Mapping white matter with SEEG. [Davide Giampiccolo \(London, UK\)](#)

18:00 The emergent properties of the connected brain. [Michel Thiebaut de Schotten \(Bordeaux, France\)](#)

18:30 End of Sessions

# FRIDAY, APRIL 24

## 08:30 Registration

### **SESSION 4: Brain mapping: what we learned from translational neuroscience in low-grade glioma patients & future perspectives from other fields of clinical neuroscience.**

*Moderators: Davide Giampiccolo & Santiago Gil-Robles*

- 08:30 Neurofunctional dissociations and critical-variable approach. [Adrià Rofes \(Groningen, Netherlands\)](#)
- 08:55 Cognition from a Sensorimotor Perspective. [Luca Fornia \(Milan, Italy\)](#)
- 09:20 Semantic control and what we can learn by comparing stroke and glioma. [Elizabeth Jefferies \(York, UK\)](#)
- 09:45 Network neuropsychology applied to awake neurosurgery: Toward better prediction of postoperative cognitive outcomes. [Guillaume Herbet \(Montpellier, France\)](#)

## 10:10 Coffee Break

- 10:55 From Stimulation to Strategy: The Changing Role of TMS in Neurosurgery. [Thomas Picht \(Berlin, Germany\)](#)
- 11:20 TMS-EEG for Probing Cortical Physiology in Brain Lesions: Past Insights, Current Applications, and Future Directions. [Mario Rosanova \(Milan, Italy\)](#)
- 11:45 Do modern technologies improve intraoperative brain mapping in tumor surgery? Insights from translational neuroscience. [Fabien Almairac \(Nice, France\)](#)

## 12:10 Lunch Break

14:00

## 12:45 Workshop Session (limited to registered participants)

13:45

### **SESSION 5: Abstract presentations.**

*Moderators: Pablo Valdes & Sam Ng*

- 14:00 Selected Abstracts

## 16:00 Coffee Break

### **SESSION 6: Masterclass in neurosurgery: intraoperative mapping and onco-functional balance — long-term outcomes, lessons, pearls and pitfalls.**

*Moderator: Hugues Duffau*

- 16:45 Insular Glioma Surgery: Essentials of Anatomy and Multimodality. [Jinsong Wu \(Shanghai, China\)](#)
- 17:15 Looking at the onco-functional balance: what we learned from our experience in terms of long-term outcomes, pearls and pitfalls. [Lorenzo Bello \(Milan, Italy\)](#)
- 17:45 What I have learned from 30 years of brain mapping. [Hugues Duffau \(Montpellier, France\)](#)

## 18:30 End of Sessions & Conclusive Remarks by Prof. Hugues Duffau

## 20:00 Social Event (limited to registered participants)

# SATURDAY, APRIL 25

08:30 Registration

## SESSION 7: Sponsored symposium.

Moderator: Henry Colle & Sebastian Ille

08:30 Integrated Concept: Using preoperative nTMS and IONM in function-guided neurooncology.  
Sebastian Ille - Nexstim & Brainlab (Heidelberg, Germany)

09:00 Preserving Movement: Motor System Mapping, Counselling and Intraoperative Monitoring and Decision Making in Contemporary Glioma Surgery. Nadja Grübel, Ralph König, Gregor Durner - Langer medical (Waldkirch, Germany)

09:30 Advances in Functional Mapping for Neurosurgery – High-Gamma Mapping, ECS and CCEPs. Christoph Kapeller - G.tec (Schiedlberg, Austria)

10:00 Coffee Break  
11:15

10:00 Workshop Session (limited to registered participants)  
11:00

## SESSION 8: Educational session — early experience of young brain mappers: challenges & learning curves.

Moderators: Hugues Duffau & Marco Rossi

11:15 ELGGM educational survey: results & interpretation.  
Fabien Almairac (Nice, France) & Sam Ng (Montpellier, France)

11:30 Awake brain mapping and intraoperative neuropsychological testing: technical aspects, tips and tricks.  
Fabien Almairac (Nice, France)

11:50 Addressing Connectomic Constraints in Early Practice of Awake-Guided Neurosurgery: A Four-Year Prospective Case-Matched Learning Curve Analysis. Sam Ng (Montpellier, France)

12:10 Bridging continents and paradigms: translating European functional wisdom into a strategy for awake glioma surgery in the USA. Pablo Valdes (Houston, USA)

13:00 End of Congress

# ABSTRACT PRESENTATIONS

## FRIDAY, APRIL 24

**14:00** **SESSION 5: Abstract presentations.**

**16:00** *Moderators: Pablo Valdes & Sam Ng*

- 14:00 nTMS Mapping of Cortical Plasticity: Functional Reorganization Stratified by Tumour Histological Grade. **Camilla Bonaudo**, Caredda, Bhangoo, Ashkan, Zhang, Vergani, Della Puppa, Lavrador (Florence, Italy)
- 14:06 Towards 3D intraoperative functional mapping using functional ultrasound imaging (fUSi) and electrocorticography (ECoG). **Emma Gommers**, Verboom, Soloukey, Verhoef, Steketee, Voorneveld, Schouten, Bos, Satoer, Vincent, van den Berg, Kruizinga (Rotterdam, Netherlands)
- 14:12 Changer de perspective, IFOF from the other side – Inside-Out Observation of frontal cortical termination of Inferior Fronto-Occipital Fascicle. **Pietro Zangrossi**, Silva, Legay, Poupon, Andersson, Destrieux, Maldonado (Tours, France)
- 14:18 Contralesional Cortical Thickness Alterations and Their relationship to language performance in patients with LH gliomas. **Johann Berger**, Rofes, Jonkers, Faust, Ntemou (Düsseldorf, Germany)
- 14:24 Correlation between neuropsychological functional status and recurrence in molecularly defined IDH-mutant grade-2 and 3 (Lower-Grade) Gliomas. **Alberto Luigi Gallotti**, Veronesi, Puglisi, Leonetti, Conti Nibali, Rossi, Sciortino, Gay, Viganò, Lamperti, Callipo, Muti, Bello (Milan, Italy)
- 14:30 Awake Cognitive Mapping in IDH-Mutant Gliomas: Insights from an Integrated Network-Level Analysis in a High-Volume Center. **Filippo Andrea Sinosi**, Butler, Ashkan, Bhangoo, Lavrador, Vergani (London, UK)
- 14:36 Infiltrative tumour cell populations adopt conserved transcriptional programs in IDHmt diffuse adult glioma. **Levi van Hijfte**, Mühlbauer, Kastner, Waldmann, Menzl, Heiland (Erlangen-Nürnberg, Germany)
- 14:42 Rewiring the Brain at Rest: Compensatory Plasticity in Tumor Patients Before and After Surgery. **Ileana Quiñones González**, Manso-Ortega, Diez, Amoruso, Bermudez, Gil Robles, Pomposo, Carreiras (Gipuzkoa, Spain)
- 14:48 fMRI-informed tractography to guide awake surgery monitoring and non-invasive brain stimulation (case study). **Carolin Weiss Lucas**, Loução, Becker, Nettekoven, Kochs, El Abed, Keil, Kabbasch, Hampl, Timmer, Goldbrunner (Cologne, Germany & Lisbon, Portugal)
- 14:54 Impact of Resection of Two Functionally Distinct Frontal Networks on Attentional Recovery After Brain Tumor Surgery. **Guglielmo Puglisi**, Viganò, Gallotti, Bianchi, Ferretti, Leonetti, Rossi, Sciortino, Conti Nibali, Gay, Forna, Cerri, Bello (Milan, Italy)

# ABSTRACT PRESENTATIONS

## FRIDAY, APRIL 24

- 15:00 Automated patient-specific tractography in patients with glioma across multiple European centers: initial multicenter results. **Megan van de Veerdonk**, Bakker, Landers, Bos, Mandonnet, Rosengarth, Mughal, Vik-Mo, Colasanti, Maimone, Stogowski, Smits, Brouwers, Rutten (Tilburg, Netherlands)
- 15:06 Preoperative Functional Connectivity in Patients with Left Insular Glioma: Similarity of Right Hemisphere to Healthy Left Reference Correlates with Postoperative Naming Performance. **Leticia Levin Diniz**, Barbano, Wassermann, Mandonnet (Paris, France)
- 15:12 Broca Plasticity in IDH-mutated and IDH-wildtype gliomas: A Comparative Direct Electrical Stimulation Study. **Zeynep Mercan**, El Rahal, Krismer, Wagner, Bertram, Fuchs, Neidert, Straehle, Beck, Roelz (Freiburg, Germany)
- 15:18 rTMS-based neuromodulation for treatment of postoperative aphasia after tumor resection – a pilot study. **Mitra Lara Neymeyer**, Rybka, Hoekzema, Schneider, Engelhardt, Tomasello, Vajkoczy, Rofes, Picht, Rosenstock (Berlin, Germany)
- 15:24 The ABS Test System: Digital Standardization of Neuropsychological Monitoring in Awake Surgery. **Suzanne Hartung**, Noordmans, van Ierschoot, van Zandvoort, Robe (Utrecht, Netherlands)
- 15:30 Assessment of network integrity in right-hemispheric glioma patients using function-based tractography and domain-specific cognitive testing. **Maximilian Schwendner**, Kram, Mengstab, Krieg, Ille (Heidelberg, Germany)
- 15:36 From Planning to Mapping : how meticulous Planning can enhance Accuracy and Ergonomics of Cortical Mapping. **Henry Colle**, Noens, Colle, Vanchaze, Hollanders, Muller, Mermans, Dewitte, Robert (Ghent, Belgium)
- 15:42 Modeling tumor volume trajectory and outcome identifies three distinct response classes in IDH-mutant glioma receiving first-line chemotherapy. **Amélie Darlix**, Teruel, Trinquet, Le Bars, Duffau, Ng, Rigau, Duc, Carrière, Deverdun (Montpellier, France)
- 15:48 Beyond proof-of-concept: Validating robust automated diffuse lower-grade glioma segmentation for clinical applications in longitudinal follow-up. **Jérémy Deverdun**, Le Bars (Montpellier, France)
- 15:54 Implanting an awake surgery program in middle income country : Difficulties and solutions. **Sadok Ben Amor**, Abdedayem, Khouja (Tunis, Tunisia)

# SURGICAL SURVEY

Dear Colleagues,

To help us prepare a high-impact educational session for the upcoming ELGGN meeting, we warmly invite **neurosurgeons** to take part in a short anonymous online survey using the link below or by scanning the QR code at the bottom of the page.

[Access the survey here](#)

Your input is essential.

By sharing your experience, you will help us:

- Identify the key challenges and common pitfalls encountered by young neurosurgeons during brain mapping
- Better understand current practices and inter-center variability
- Design a practical and relevant session, directly aligned with your needs

Participants who wish to do so will have the opportunity to join the ELGGN study group and be included as collaborators in any potential future publications related to this survey (see end of the survey for details).

**Fabien Almairac & Sam Ng**



# HANDS-ON WORKSHOPS

◆ 2 sessions:

→ Friday, April 24 (12:45-13:45)

→ Saturday, April 25 (10:00-11:00)

Each session (60 min) is comprised of both motor and language mapping and limited to registered participants.

*For registration, please refer to the links on the [ELGGN website](#).*

Join the **one-hour** nTMS hands-on workshops to practice non-invasive, pre-procedural motor mapping first hand.

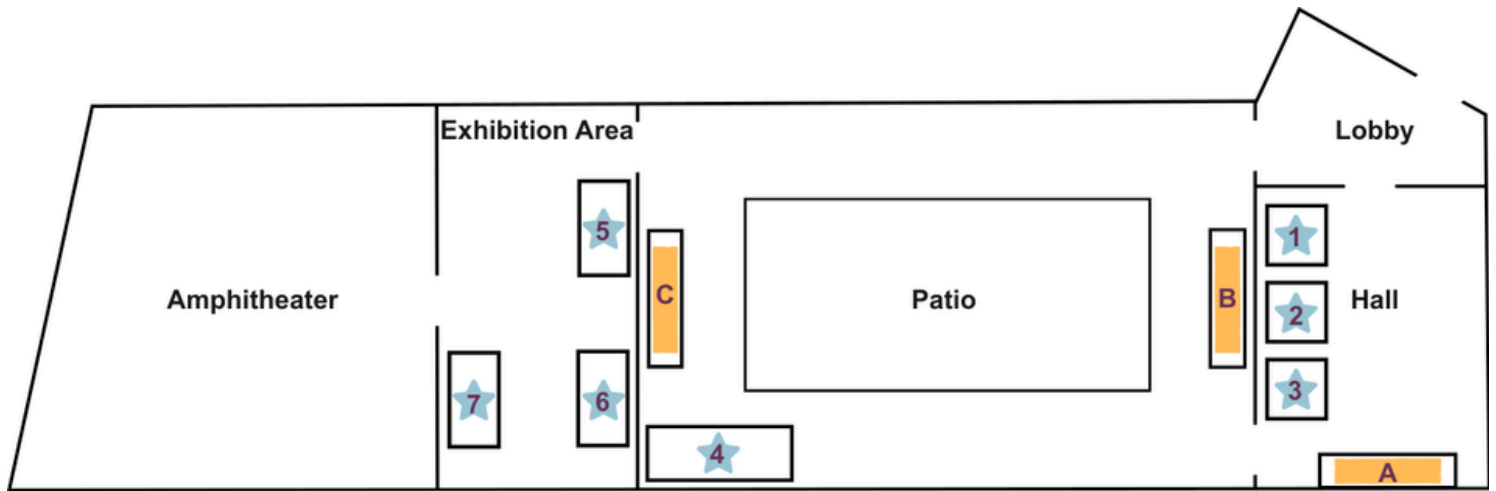
◆ **Motor Mapping (30 min) - *Nexstim/Brainlab Booth n°6***

- Introduction to nTMS pre-procedural motor mapping
- Hands-on time to practice motor mapping, guided by an experienced operator
  - ▶ See how coil positioning, tilt and rotation influence stimulation intensity on the cortex
  - ▶ Learn why navigating the coil in real-time is crucial for accurate results

◆ **Language Mapping (30 min) - *Amphitheater***

- Introduction to nTMS language mapping
- Learn which types of speech errors you might see
- Hear how nTMS motor and language mapping data can then be imported into pre-operative planning software to support awake mapping in the OR

# CONFERENCE VENUE MAP



## Sponsors Booths:

1. Inomed
2. Wise
3. G-tec
4. Servier
5. Langer medical
6. Nexstim/Brainlab
7. Stryker

## Catering Stations:

- A. Lunch station
- B. Coffee station
- C. Coffee station



### **LUGGAGE STORAGE** - *Behind Booth n°7*

The luggage storage area is intended for suitcases and travel bags only.

Please note that the congress organizers cannot be held responsible for any loss.



### **BADGE** - *Lobby*

Your badge will be provided at the congress registration desk.

Participants, speakers, and exhibitors are kindly requested to wear their badge at all times.



### **SOCIAL EVENT** - *Lobby*

We kindly remind you that the dinner fee is €65 when paid in cash or €67 when paid by contactless card (Visa, Mastercard, Amex, Discover, Apple Pay or Google Pay).

The payment will be collected at the registration desk.

# SPONSORS

# Nexstim



# inomed

# stryker

# langermedical



**ELGGN 2026 Organizing Committee**

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