

I INTERNATIONAL SYMPOSIUM ON  
**AWAKE NEUROPSYCHOLOGY  
AND NEUROSURGERY:  
COGNITIVE MAPPING**

ARACAJU • SERGIPE ★ SEPTEMBER 12-13 • 2024





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## September 12.

09:00 – 09:30 ▶ Welcome from the organizing committee.

Augusto C. Esmeraldo, J. Martín-Fernández, Rilton Morais, M. Junior.

09:30 – 10:00 ▶ Network Neuroscience. (Online).

Kilian Abellana-Pérez. Neuroscientist (Institut Guttmann, Universidad Autónoma de Barcelona)

10:00 – 10:30 ▶ Cognition as emergent properties of a complex dynamic system.

Jesús Martín-Fernández. Neurosurgeon and cognitive neuroscientist.

10:30 – 11:00 ▶ Social Cognition: Networks and Pathways.

Nayra Caballero Estebanz. Neuropsychologist (e-Awake Institute).

11:00 – 11:30 ▶ Computational modeling for cognitive presurgical mapping: challenges and opportunities.

Esteban Féliz. Computational neuroscientist. University of Zürich. e-Awake Institute.

Coffee Break ▶ 11:30 – 12:00

12:00 – 12:30 ▶ White matter: an anatomical-functional perspective. (Online).

Fernando Martínez. Neurosurgeon (Hospital de Clínicas Dr. Manuel Quintela, Uruguay).

12:30 – 13:00 ▶ Awake surgery in GBM.

Marcos Antonio Dos Santos Junior. Neurosurgeon (Centro Oncológico da Santa Casa de Alfenas).

13:00 – 13:30 ▶ Pain management in awake craniotomy.

Emanuel Malaguez Webber. Clinical Neurophysiologist / Neurologist. (Hospital Regional do Oeste, Chapecó).

13:30 – 14:00 ▶ Neuroplasticity.

Augusto C. Esmeraldo. Neurosurgeon (Hospital de Cirurgia, Aracaju).

14:00 – 14:30 ▶ Different realities of the operating room for awake surgeries.

Alex Roman. Neurosurgeon (Cleveland Clinic Abu Dhabi).

**Discussion: Is feasible performing an awake mapping in high-grade gliomas? When and how?**



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## September 13.

09:00 – 09:30 ▶ Welcome from the organizing committee.

Augusto C. Esmeraldo, J. Martín-Fernández, M. Junior.

09:30 – 10:00 ▶ The workflow in awake craniotomy.

Alex Roman. Neurosurgeon (Cleveland Clinic Abu Dhabi).

10:00 – 10:30 ▶ Approaching precuneus lesions from a functional standpoint.

Sebastián Acosta Joerges. Neurosurgeon. Hospital Barros Luco Trudeau, Chile.

10:30 – 11:00 ▶ Awake craniotomy in epilepsy. (Online).

Patrick Vigren. Neurosurgeon and neurologist (Örebro University Hospital, Sweden).

11:00 – 11:30 ▶ Cognitive-emotional mapping agreed in 3 steps. How I do it.

Jesús Martín-Fernández. Neurosurgeon and cognitive neuroscientist.  
(Hospital Univ. Ntra. Señora de Candelaria, España).

11:30 – 12:00 ▶ Neuropsychological assessment and intraoperative brain mapping multilingual: nuances and challenges.

Vigneswaran Veeramuthu. Neuropsychologist (Thompson Hospital Kota Damansara, Malasia).

**Discussion: The importance of neuropsychology and neurosurgery as a team to cognitive mapping. What do we need for the cognitive map to work? usual practice?**

Coffee Break ▶ 12:00 – 12:30

12:30 – 13:00 ▶ From pre-operative assessment to the operating room.

Natalia Navarro-Peris. Neuropsychologist (e-Awake Institute).

13:00 – 13:30 ▶ Can we map emotions? A meta-networking functioning is far from Broca and Wernicke's concepts.

Dr. Jesús Martín-Fernández.

13:30 – 14:00 ▶ Awake surgery on the "non-dominant" right hemisphere.

Isabel Martín-Monzón. Neuropsychologist (Universidad de Sevilla).


Closing. Delivery of certificates.



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### SUSSCRIPTION INFORMATION:

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**DEL CANTO**  
HOTEL

EVENT LOCATION