5th MAPPING COURSE
BELLVITGE 2022

November 15th-18th 2022

University Hospital of Bellvitge
Feixa Llarga, s/n
L’Hospitalet de Llobregat, Barcelona (Spain)

The scientific and educational content of this event has been endorsed by:

MORE INFO:
www.mappingbellvitge.com
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Dept. of Cognition, Development and Educational Psychology
Universitat de Barcelona, Barcelona, Spain
TUESDAY | November 15TH

Location: Dissection room

14:30 - 15:00 Delivery of documentation

> 15:00 - 15:30 Introduction: How to perform fiber dissection in cadaveric specimens
   Dr. Juan Martino / Dr. Emmanuel Mandonnet / Dr. Alejandro Fernández-Coello

> 15:30 - 16:00 Introduction: How to perform fiber tractography in the lab
   Dra. Àngels Camins / Dr. Pablo Naval-Baudin / Dr. Aleix Rosselló

> 16:00 - 17:30 Group 1
   HANDS-ON WHITE MATTER FIBER DISSECTION:
   Each participant will have one hemisphere to dissect

   Group 2
   HANDS ON WHITE MATTER DTI TRACTOGRAPHY:
   Motor pathway tractography

17:30 - 18:00 COFFEE

> 18:00 - 19:30 Group 1
   HANDS ON WHITE MATTER DTI TRACTOGRAPHY:
   Motor pathway tractography

   Group 2
   HANDS-ON WHITE MATTER FIBER DISSECTION:
   Each participant will have one hemisphere to dissect
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00 – 09:30</td>
<td>How to simulate a surgical approach to the main language pathways</td>
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<td>Dr. Juan Martino / Dr. Emmanuel Mandonnet / Dr. Alejandro Fernández-Coello</td>
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<td>09:30 – 11:00</td>
<td><strong>Group 1</strong></td>
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<td>HANDS ON SESSION SPECIMEN</td>
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<td></td>
<td>Each participant will have one CUSA and one hemisphere to dissect</td>
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<td></td>
<td><strong>Group 2</strong></td>
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<td></td>
<td>HANDS ON SESSION DTI</td>
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<td></td>
<td>Language pathways tractography</td>
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<td>11:00 – 11:30</td>
<td><strong>COFFEE</strong></td>
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<td>11:30 – 13:00</td>
<td><strong>Group 1</strong></td>
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<td>13:00 – 14:30</td>
<td><strong>LUNCH</strong></td>
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<td>14:30 – 15:00</td>
<td>How to simulate a surgical approach to insular gliomas in the laboratory</td>
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<td>Dr. Emmanuel Mandonnet</td>
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<td>15:00 – 16:30</td>
<td><strong>Group 1</strong></td>
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<td>16:30 – 17:00</td>
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</table>

**Location:** Dissection room

**MORE INFO:** [www.mappingbellvitge.com](http://www.mappingbellvitge.com)
08:15 – 08:45 Delivery of documentation
08:45 – 09:00 Welcome speech

09:00 – 09:20 Introduction: Evolution of Neurosurgery in eloquent brain areas
Dr. Andreu Gabarrós
09:20 – 09:40 Neuroanatomy of the functional cortical brain areas
Dr. Alejandro Fernández-Coello
09:40 – 10:00 Neuroanatomy of the functional subcortical brain areas (ONLINE)
Dr. Juan Martino
10:00 – 10:20 Functional magnetic resonance and tractography:
Preoperative evaluation of brain function through neuroimaging
Dra. Àngels Camins
10:20 – 10:30 Discussion
10:30 – 11:00 COFFEE

11:00 – 11:20 Intraoperative. Neuromonitoring
Dra. Isabel Fernández-Conejero
11:20 – 11:40 Neuropaesthesia management during eloquent brain surgery
Dra. Laura Pariente
11:40 – 12:00 Mapping of cortical and subcortical functions in the awake patient
Dr. Andreu Gabarrós / Dr. Alejandro Fernández-Coello
12:00 – 12:20 Mapping and neuromonitoring of motor function in the asleep patient
Dr. Gerard Plans
12:20 – 12:40 Neuropsychological intraoperative evaluation of language: Tradition & research
Dra. Joanna Sierpowska
12:40 – 13:00 Discussion
13:00 – 14:30 LUNCH

14:30 – 15:00 How I do it: Tips & tricks session with the experts
Awake brain mapping
Dr. Hugues Duffau
15:00 – 15:30 Asleep motor mapping and neuromonitoring (ONLINE)
Dr. Francesco Sala
15:30 – 16:00 Discussion
16:00 – 16:30 COFFEE

16:30 – 16:50 Intraoperative identification of the SMA in the awake patient
Dr. Andreu Gabarrós / Dr. Juan Martino
16:50 – 17:10 Mapping and neuromonitoring for extrinsic brain lesions
Dr. Pablo López-Ojeda / Dr. José Luis Sanmillán / Dr. Andreu Gabarrós
17:10 – 17:30 Mapping and neuromonitoring for insular tumors
Dr. Andreu Gabarrós / Dr. Alejandro Fernández-Coello
17:30 – 18:00 Discussion and closing remarks

DINNER (Only for the full course participants)
FRIDAY | November 18th

Location: Bellvitge auditorium

2 LIVE SURGERIES

> 08:30 – 15:00 Operating Room 1 – AWAKE PATIENT
Perisylvian tumor resection assisted by neuronavigation and cortical/subcortical language brain mapping in the awake patient

> 08:30 – 15:00 Operating Room 2 – ASLEEP PATIENT
Perirolandic tumor resection assisted by neuronavigation, intraoperative neuro monitoring and cortical/subcortical evoked motor brain mapping in the asleep patient

11:00 – 11:30 COFFEE / LUNCH DURING SESSION

> 15:00 Closing remarks and delivery of certificates
**INFO**

**VENUE**

The training program will be developed in:

**UNIVERSITY HOSPITAL BELLVITGE**

Feixa Llarga, s/n
L’Hospitalet de Llobregat
BARCELONA
(Spain)

**REGISTRATION**

The registration will be made through the website of the Technical Secretariat of **FORMEDIKA**:

www.formedika.com

Limited places! Registrations on first come first-served basis

**COURSE ACCREDITATION**

The 5th Mapping Course - Dissection and Theory and Live Surgeries has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®). In case the participant attended the full course, he/she would have two diplomas.

<table>
<thead>
<tr>
<th>Course</th>
<th>Full Price</th>
<th>Discounted Price</th>
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<tbody>
<tr>
<td>Full course</td>
<td>1,950 €</td>
<td>1,755 € *</td>
</tr>
<tr>
<td>Theory and live surgeries (Thursday and Friday)</td>
<td>590 €</td>
<td>531 € *</td>
</tr>
<tr>
<td>Video streaming for theory and live surgeries</td>
<td>90 €</td>
<td>81 € *</td>
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</tbody>
</table>

* Members of the EANS will get a 10% discount on the prices

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**Note regarding Covid-19**

Formedika is continuously monitoring the situation related to COVID-19 in order to avoid the interruption of planned events. However, taking into account the current situation, Formedika cannot exclude the possibility that the scheduled courses or congresses are postponed, canceled or interrupted due to external causes. Formedika strives to duly notify the news that may be in this regard, but recommends that you ensure that the trips and accommodation you reserve are refundable, since it will not be responsible for the expenses incurred by the assistant in case of change, modification or cancellation.