

Course Director Day 1

- Prof. Eric Buchser,
Morges, Switzerland
Scientific program director &
ECMT Board member

Faculty Day 1

- Corinne Avelines MSc
Lausanne, Switzerland
- Prof. Fabrizio Benedetti
Turin, Italy
- Prof. Carsten Dahl Mørch
Aalborg, Denmark
- Prof. Sam Eldabe
Middlesbrough, United
Kingdom & Morges,
Switzerland
- Prof. Rod Taylor
Glasgow, United Kingdom

Target Audience

Health Care Professionals who:

- Have a commitment to
Neuromodulation therapies
- Are involved in research in
the field of neuromodulation
- Have attended an ECMT
training

Venue

Gasthuis by Martin's Klooster
Onze Lieve Vrouwstraat 18
3000 Leuven
Belgium

Mdeon visum

Visum application in process

NeuroScience Masterclass meeting

The future of neuromodulation, celebrating 30 years of continuing medical training

December 12 & 13, 2025

Leuven, Belgium

Course description

What is the science behind Neuromodulation therapies.
Important networking between scientists and clinical practitioners.

Learning Objectives

Review latest science on Neuromodulation therapies. The Forum will bring together pain management physicians, anesthesiologists, neurosurgeons, neurologists, movement disorders specialists, headache specialists, rehabilitation specialists, urologists and colorectal surgeons to discuss the implications of the latest modeling research and studies on clinical practice, and potential applications in the future. Day 2 will be about the future of Neuromodulation therapies and medical education.

Friday, December 12, 2025

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| 14:00 | Welcome and introduction of Faculty and Participants
Prof. Eric Buchser |
| 14:20 | 30 years of collaboration with Medtronic on medical education in Neuromodulation
Natasha Lucenay |
| 14:30* | Artificial Intelligence & machine learning
Corinne Avelines MSc |
| 15:15* | Placebo
Prof. Fabrizio Benedetti (virtual) |
| 16:00 | Afternoon break |
| 16:30* | Exploring the biophysics behind Neurostimulation
Prof. Carsten Dahl Mørch |
| 17:15* | How to design better Neuromodulation studies
Prof. Rod Taylor & Prof. Sam Eldabe |
| | <i>* 25 minutes presentation per speaker and 20 minutes discussion</i> |
| 18:25 | Reflections of day 1
Prof. Eric Buchser |
| 18:30 | End of session day 1 |
| 20:00 | Group dinner & presentation: History of ECMT and 30 years of continuing medical education in neuromodulation therapies
Prof. Jean-Pierre Van Buyten, Chairman of ECMT |

Course Director Day 2

- Prof. Jean-Pierre Van Buyten
Sint-Niklaas, Belgium
ECMT Chairman

Faculty Day 2

- Dr. Alphons Vincent
Medtronic Europe
- TBC
- Pain break-out:
 - Prof. Dirk De Ridder
New Zealand & Belgium
 - Dr. Ashish Gulve
Middlesbrough, United Kingdom
- Brain break-out:
 - Prof. Kai Lehtimäki & Prof. Jukka Peltola
Tampere, Finland
- Pelvic break-out:
 - Prof. Emma Carrington,
London, United Kingdom
 - Prof. Mark Janssen
Maastricht, Netherlands
 - Prof. Philip Van Kerrebroeck
Belgium

ECMT Board Members & Moderators Day 2

- Dr. Stéphanie Breukink
Maastricht, Netherlands
- Prof. Erik Cattrysse
Brussels, Belgium
- Prof. Stefan De Wachter
Antwerp, Belgium
- Prof. Maarten Moens
Brussels, Belgium
- Prof. Tom Theys
Leuven, Belgium

For information & on-site support, please contact

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Saturday, December 13, 2025

09:00 Leading with Intelligence: Medtronic's vision for AI-enabled Healthcare
Dr. Alphons Vincent

09:30 TBC

10:00 Morning break

10:30 Future of Neuromodulation
Break-out sessions per therapy with interactive group discussions. All participants are kindly invited to actively contribute to the discussions

Pain Masterclass - Moderated by Prof. Eric Buchser & Prof. Erik Cattrysse
With Prof. Jean-Pierre Van Buyten, Prof. Dirk De Ridder, Dr. Ashish Gulve

- Advancing Pain Neuromodulation, integrating evidence, education and experience
- Is Closed Loop Stimulation of added value in SCS? Did it change your practice for your patients?
- Expanding indications - Neuromodulation beyond Persistent Spinal Pain Syndrome

Brain Masterclass - Moderated by Prof. Maarten Moens & Prof. Tom Theys
With Prof. Kai Lehtimäki, Prof. Jukka Peltola, Robert Raïke

- Deep Brain Stimulation in Epilepsy; A 15 years journey
- Case-based discussion: A new area Adaptive Deep Brain Stimulation
- New indications in Deep Brain Stimulation

Pelvic Masterclass - Moderated by Dr. Stéphanie Breukink & Prof. Stefan De Wachter
With Prof. Mark Janssen, Prof. Philip Van Kerrebroeck, Prof. Emma Carrington

- Personalized and Adaptive Therapy - Closed-Loop Systems for Sacral Neuromodulation, realistic or utopia?
- Improving Outcomes and Accessibility - What have we learned from the past and what could be the ideal future study for urologists and colorectal surgeons?
- How to implement the patient's voice in future trials

12:30 Future perspectives - The next 30 years of ECMT
ECMT Board of Directors

13:00 Wrap-up and group lunch

14:00 End of program
Transfers to BRU/CRL airports & Leuven/Brussels train stations