GENERAL ANAESTHESIOLOGY
Learning Track 1

**Sodium channels; targets for both local and general anaesthetics**
Chair:
Philipp Lirk (Amsterdam, Netherlands)

**Role of pharmacogenetics in anaesthesia and intensive care medicine**
Chair:
Marc Moritz Berger (Salzburg, Austria)

**Synaptic mechanisms of anaesthesia**
Chair:
Markus W. Hollmann (Amsterdam, Netherlands)

**Nitrous oxide - myth and facts**
Chair:
Markus W. Hollmann (Amsterdam, Netherlands)
Inhaled anaesthetics: complexities overlooked - things may not be what they seem

Chair:
Markus W. Hollmann (Amsterdam, Netherlands)

Inhaled anesthetics: complexities overlooked - things may not be what they seem
Jan Hendrickx (Aalst, Belgium)*

The challenge of treating bleeding during treatment with new oral anticoagulants

Chair:
Stefan De Hert (Ghent, Belgium)

The challenge of treating bleeding during treatment with new oral anticoagulants
Agnese Ozolina (Riga, Latvia)

Measuring depth of anesthesia: closing in on the holy grail?

Chair:
Jan Hendrickx (Aalst, Belgium)

Advanced interaction PK-PD modeling obviates EEG-monitoring
Hugo Vereecke (Groningen, Netherlands)

EEG depth of anaesthesia monitoring: mechanism-based parameters and integration of clinical parameters
Gerhard Schneider (Wuppertal, Germany)

Analgesia monitoring: can we tease it out?
Emmanuel Boselli (Lyon, France)

Neuromuscular block depth: rare, medium, or well done?

Chair:
Jan Hendrickx (Aalst, Belgium)

How to measure it?
Thomas Fuchs-Buder (Nancy, France)*

Deep block for laparoscopic surgery?
Mona Gatke (Copenhagen, Denmark)*

Neostigmine or sugammadex?
Guy Cammu (Aalst, Belgium)*
Use and abuse of neuromuscular blocking agents

Chair: Radmilo Jankovic (Nis, Serbia)

Is complete muscular relaxation mandatory for intubation or can NMBAs and their associated complications be avoided by omitting them?
Matthias Eikermann (Boston, United States)

Optimal monitoring of neuromuscular blockade onset time: which technique, which muscle and which pattern
Radmilo Jankovic (Nis, Serbia)

Does deep neuromuscular blockade improve surgical conditions?
Manfred Blobner (Munich, Germany)*

How to avoid postoperative residual neuromuscular blockade
Heidrun Fink (Munich, Germany)*

Is multimodal anaesthesia the "New Balanced Anaesthesia?"

Chair: Andreas Hoeft (Bonn, Germany)

Intraoperative methadone: a rediscovery
Evan D. Kharasch (St. Louis, United States)

A pharmacological view on multimodal anaesthesia
Anthony Dickenson (London, United Kingdom)

Clinical application of multimodal anaesthesia
Jörgen Bruhn (Nijmegen, Netherlands)

New strategies in fluid therapy

Chair: Jens Meier (Frankfurt, Germany)

Microcirculation guided fluid therapy
Dan Martin (London, United Kingdom)

Cristalloids versus colloids: what can guidelines tell us?
Gernot Marx (Aachen, Germany)*

Artificial blood substitutes: any progress?
Aamer Ahmed (Leicester, United Kingdom)

Evidence vs clinical practice - two sides of one coin

Chair: Berthold Bein (Hamburg, Germany)
The gap between evidence and daily clinical practice
Andrew Smith (Lancaster, United Kingdom)

How do we change behavior - with money, media or training?
Monty Mythen (London, United Kingdom)*

**S 01SI Symposium**

**BIBO: "better in - better out": How to optimize a patient for surgery and anaesthesia**

**Chair:**
Wolfgang F. Buhre (Maastricht, Netherlands)*

**Comprehensive preoperative assessment**
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

**Physical "pre-habilitation" of patients: The Maastricht concept of BIBO**
Nico Van Meeteren (Maastricht, Netherlands)

**Preoperative pharmacological optimization**
Michel Struys (Groningen, Netherlands)

**S 01SJ Symposium**

**O2, anybody?**

**Chair:**
Emmanuel Boselli (Lyon, France)

**O2, anybody? Machine standards fail to prevent inspired hypoxic mixture formation**
Jan Hendrickx (Aalst, Belgium)

**Machine standards: who writes them, and who should?**
David H. T. Scott (Edinburgh, United Kingdom)*

**L 01LA Lecture**

**Perioperative coagulation monitoring : challenges with new oral anticoagulants**

**Chair:**
Jens Meier (Frankfurt, Germany)

**Speaker**
Beverly Hunt (London, United Kingdom)

**L 01LB Lecture**

**Albumin revisited**

**Chair:**
Markus W. Hollmann (Amsterdam, Netherlands)

**Speaker**
Christian Von Heymann (Berlin, Germany)
**Pre, intra and postoperative temperature management**

Chair: Anthony Absalom (Groningen, Netherlands)

Speaker: Leif Saager (Cleveland, United States)*

**Zeitgeist and anesthetic mechanisms: why we know so much and understand so little**

Chair: Markus W. Hollmann (Amsterdam, Netherlands)

Speaker: Michael Perouansky (Madison, United States)

**Beta blockers in septic patients: Pro-Con**

Chair: Marc Moritz Berger (Salzburg, Austria)

Pro
Andrea Morelli (Rome, Italy)

Con
Martin Dünser (Salzburg, Austria)

**Opioid free anaesthesia. Pro-Con**

Chair: Jan Paul Mulier (Bruges, Belgium)

Pro
Marc De Kock (Brussels, Belgium)

Con
Martin Söhle (Bonn, Germany)

**Massive transfusion and the 1:1:1 approach: Pro-Con**

Chair: Christian Fenger-Eriksen (Aarhus, Denmark)

Pro
Jakob Stensballe (Copenhagen, Denmark)
Con
Herbert Schöchl (Mattsee, Austria)*