

Monday, 31st of March 2025

All times in the program refer to the time zone CET!

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|---------------------|---|--|
| 11:00 - 12:00 | Registration & Snacks | |
| 12:00 - 12:15 | Welcome & Introduction | Krüger, Krieg |
| 12:15 - 13:00 | Functional Anatomy and Tractography | Forkel |
| 13:00 - 13:45 | Preoperative mapping: Principles of nTMS | Ille |
| 13:45 - 14:00 | Break | |
| 14:00 - 14:45 | Preoperative mapping: nTMS for presurgical motor and language mapping | Krieg |
| 14:45 - 15:30 | Multimodal IONM in supratentorial tumor surgery | Campos |
| 15:30 - 15:45 | Break | |
| 15:45 - 16:30 | Integrated Concept: nTMS and IONM for function preservation | Ille |
| 16:30 - 17:15 | Intraoperative Mapping strategy: Awake v/s asleep surgery | Seidel |
| 17:15 - 17:30 | Break | |
| 17:30 - 18:15 | New concepts: cortico-cortical evoked potentials in brain tumor surgery | Seidel |
| 18:15 - 18:30 | <i>Closing remarks</i> | Campos |
| 18:30 - 19:30 | Workshops (je 30 min, dann wechsel: nTMS for pre-OP mapping; IONM Workshop) | nTMS: Schwendner/Kram IONM: Campos |
| <i>Social Event</i> | | |

2025 | IONM ADVANCED II -
TECHNIQUES IN NEUROSURGERY

PROGRAM

ARKANA  FORUM



UNIVERSITÄTS
KLINIKUM
HEIDELBERG

Tuesday, 1st of April 2025

All times in the program refer to the time zone CET!

| Observation in the OR | | |
|------------------------------------|--|----------------------|
| 07:00 - 13:00 | Observation of Supratentorial Tumor Surgery at the Neurosurgical Clinic | Ille |
| Case Discussions / Workshop | | |
| 09:00 - 13:00 | Video Demonstration of the use of nTMS and IONM for Brain Mapping with Discussions and Group Works | Suchorska, Campos |

COURSE DIRECTOR

Univ.-Prof. Sandro Krieg, MD, MBA

Chair, Department of Neurosurgery
Heidelberg University Hospital
Germany

INVITED SPEAKERS

Prof. Kathleen Seidel, MD

Department of Neurosurgery
Inselspital, Bern University Hospital, Switzerland

Sebastian Ille, MD

Department of Neurosurgery
Heidelberg University Hospital, Germany

Stephanie J. Forkel, HDR PhD SFHEA CPsychol

Donders Institute for Brain, Cognition and behaviour
Radboud University, Netherlands

Maximilian Schwendner, MD

Department of Neurosurgery
Heidelberg University Hospital, Germany

Leonie Kram, M.Sc, Ph.D.

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Bogdana Suchorska, MD, MHBA, FEBNS

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