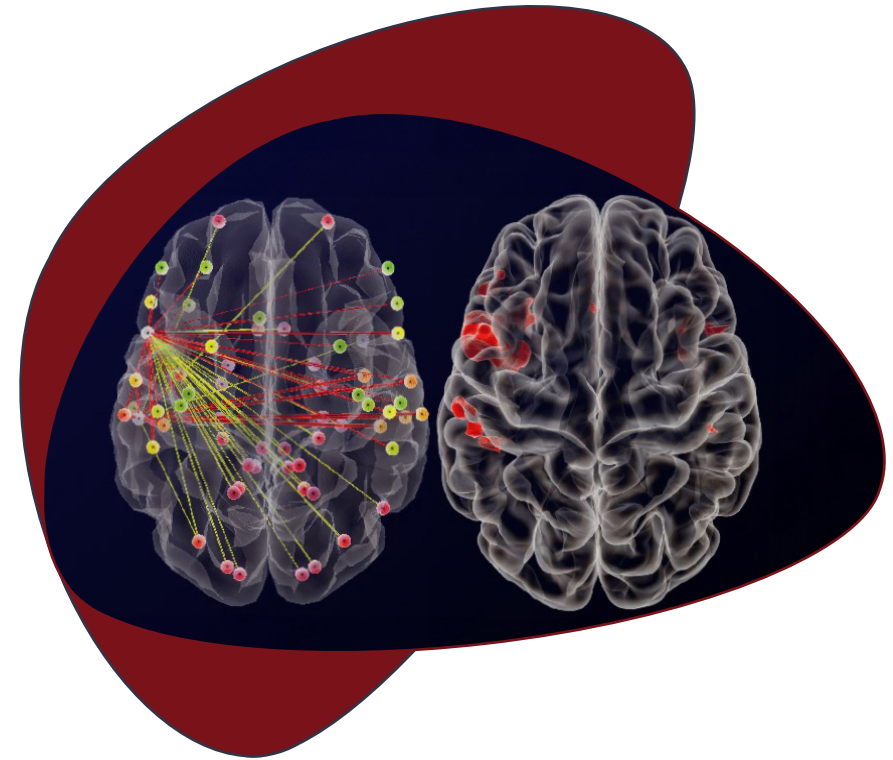


Thursday, November 28, 2024

## 7<sup>th</sup> OHBM ALPINE CHAPTER SYMPOSIUM



University Hospital Innsbruck, Austria

### SCIENTIFIC PROGRAM

Member initiated scientific sessions and individual contributions provide an overview about **current topics in alpine brain mapping research**.

OHBM Alpine Chapter ([www.humanbrainmapping.org](http://www.humanbrainmapping.org), [www.oegfmrt.org](http://www.oegfmrt.org))

### REGISTRATION / CONTACT

For registration or submission of individual presentations, please contact the local congress executive:

Dr. Ruth Steiger ([alpinechapter-innsbruck@i-med.ac.at](mailto:alpinechapter-innsbruck@i-med.ac.at))

**Submission Deadline will be September, 1<sup>st</sup> 2024.** Online congress registration until November 1<sup>st</sup>, 2024. On-site Registration will be possible. Participation in the symposium is free.

Certified by Ärztekammer / Tirol (DFP)

Austrian Evening Event – details will be announced soon

Membership applications: [www.oegfmrt.org](http://www.oegfmrt.org) and

[www.humanbrainmapping.org](http://www.humanbrainmapping.org)

### LOCAL ORGANIZATION

Department of Radiology / Neuroimaging Core Facility:

Prof. Dr. Elke R. Gizewski, Dr. Ruth Steiger, Sandra Wackerle

([alpinechapter-innsbruck@i-med.ac.at](mailto:alpinechapter-innsbruck@i-med.ac.at))

### VENUE

Anichstrasse 35, 6020 Innsbruck, Tirol - details will be announced soon

### BOARD MEMBERS OHBM ALPINE CHAPTER (2024)

<https://oegfmrt.org/ueber-uns/vorstand-der-oegfmrt/>

OHBM Alpine Chapter |

Organization for Human Brain Mapping

### GENERAL ASSEMBLY OF THE OHBM ALPINE CHAPTER & ÖGfMRT

Wednesday 27th November, 17:00 - 18:00

Seminar Room, Surgical Building (Haus 8),

1st Floor, Leiterzone Radiologie

SIEMENS  
Healthineers



ÖGfMRT  
Österreichische Gesellschaft für  
funktionelle Magnetresonanztomographie



## 7th OHBM Alpine Chapter Meeting 28th November 2024 Medical University Innsbruck

08:30 **Registration & Coffee**

09:00 **Welcome** (*Elke R. Gizewski, Innsbruck*)

09:15 - 10:40 **Unveiling the Neuroradiological Frontier: New insights in Glioma Diagnosis, UHF Imaging and AI in brain tumor image analysis** (*Chair: Franca Wagner, Bern*)

- Clinical Introduction: Brain Tumors: Neurologist perspective (*Alexander Maurer*)
- Pathology: Brain Tumors: Graduation from pathology (*Theoni Maragkou*)
- Advanced clinical brain tumor imaging, update (*Christoph Stippich*)
- UHF: Brain Tumors: Molecular tumor characterization using high-field MR (*Roland Wiest*)

10:40 - 12:05 **Clinical Ultrasound Neuromodulation**  
(*Chair: Roland Beisteiner, Wien*)

- Clinical Ultrasound Neuromodulation - An exploding field (*Roland Beisteiner*)
- Clinical Ultrasound Neuromodulation - Toronto perspective (*Robert Chen*)
- TPS in Alzheimer's diseases - A multimodal randomized clinical trial (*Eva Matt*)
- TPS for comorbid depression - A retrospective analysis on 90 patients (*Michael Mitterwallner*)

12:05 - 12:45 **Lunch**

12:45 - 14:10 **Brain Tumors** (*Chair: Christoph Stippich, Allensbach*)

- AI: Brain Tumors: AI in Brain Tumor Image Analysis: From machine learning to modern AI technologies, where we are and where we heading to AI for image analysis (*Mauricio Reyes*)
- Biophysical models of brain tumor growth (*Benedikt Wiestler*)
- Functional mapping in brain tumor patients – rationale and clinical approach (*Nico Sollmann*)
- Functional mapping beyond the current clinical approach – future trajectories and advancements (*Severin Schramm*)

14:10 – 15:35 **BRAIN DEVELOPMENT- from fetal to neonatal life**  
(*Chair: Gregor Kasprian, Wien*)

- Quantifying fetal brain development in health and disease (*Marlene Stümpflen*)
- The predictive value of fetal MRI for speech discrimination abilities at birth (*Sophie Mandl*)
- Assessing Early Childhood Stroke Through Functional Imaging Techniques (*Kathrin Kollndorfer*)
- Investigating the Development of Attention Networks in Preterm Infants (*Florian Ph.S Fischmeister*)

15:35 – 15:55 **Coffee Break**

15:55 – 17:45 **Scientific Short Papers** (*Chair: Elke R. Gizewski, Innsbruck*)

- Changes of the microstructural integrity of the white matter after Transcranial Pulse Stimulation in Parkinson's patients (*Nina Plischek, Wien*)
- Brain Modulation during learning of meditation (*Alberto Galimberti, Innsbruck*)
- Einsatz von Augenbewegungsmessungen bei der funktionellen MRT in der klinischen Routine (*Raimund Kleiser, Linz*)
- Exploring altered neuromodulation in ageing with concurrent MR-PET and concurrent EEG-MR (*Dorothea Hämmerer, LFU Innsbruck*)
- Intraoperatives fMRT - Ziele und Herausforderungen der funktionellen Bildgebung im hoch-komplexen klinischen Setting (*Margit Jehna, Graz*)
- Brainprint - Single Subject Analyse auf Basis funktioneller und struktureller Konnektome vor und nach einer Hirntumorresektion (*Pia Ritter, Graz*)
- Funktionelle Bildgebung physischer und psychischer Schmerzen bei chronischen Schmerzpatienten (*Karin Labek, LFU Innsbruck*)

19:00

**Social Get-Together**