



5th OHBM Alpine Chapter Symposium

Friday, October 25, 2019 | 08:30-17:30

SwissTech Convention Center, EPFL | Lausanne

- Multiple Sclerosis
- Imaging of Sleep and Neurodegenerative Disorders
- Stroke and Neurovascular Diseases
- Keynote Lecture
- New Brain Stimulation Methods for Therapy
- Advanced Brain Tumor Imaging

sfns2019.congress-imk.ch

08:00-08:30

Registration

08:30-08:45

Opening Symposium

Christoph Stippich, Zurich, CH

08:45-09:45

Session I | Multiple Sclerosis and Related Disorders

Chair: Christian Enzinger, Graz, AT

08:45-09:05

New Avenues to Functional Connectivity Analyses

Menno Schoonheim, Amsterdam, NL

09:05-09:25

Improvements in Assessing Gray and White Matter Volume Changes on Brain MRI

Marco Battaglini, Siena, IT

09:25-09:45

Fully Automated Grey and White Matter Spinal Cord Segmentation in MS

Ferran Prados, London, UK

09:45-10:45

Session II | Imaging of Sleep and Neurodegenerative Disorders

Chairs: Elke Giszewski, Innsbruck, AT | Roland Wiest, Bern, CH

09:45-10:00

Morphometry of Movement Disorders

Christian Rummel, Bern, CH

10:00-10:15

Imaging in neurological sleep disorders

Evi Holzknecht, Innsbruck, AT

10:15-10:30

Advances of UHF in Neurodegenerative Disorders

Elke Giszewski, Innsbruck, AT

10:30-10:45

Parkinson's Disease and Rem-Sleep Disorders

Panagiotis Bargiotas, Bern, CH

10:45-11:15

Coffee break

11:15-12:00

Keynote Lecture I

Clinical Effects of Current Electrophysiological Brain Stimulation

Mark Hallett, Washington, US

12:00-13:00

Session III | Cutting Edge Neuromodulation

Chairs: Roland Beisteiner, Vienna, AT | Mark Hallett, Washington, US

12:00-12:30

Ablation and Blood Brain Barrier Therapy with Focused Ultrasound

Andres Lozano, Toronto, CA

12:30-12:45

Non-Lesional Neuromodulation with Ultrasound

Roland Beisteiner, Vienna, AT

12:45-13:00

Focused Ultrasound Neuromodulation in Acute and Chronic Disorders of Consciousness

Martin M. Monti, Los Angeles, US

13:00-14:00

Lunch

14:00-15:00

Session IV | Advanced Brain Tumor Imaging

Chair: Christoph Stippich, Zurich, CH

14:00-14:20

Multimodal Imaging and Advanced Image Analysis of Gliomas

Benedikt Wiestler, Munich, DE

14:20-14:40

Application of Deep Learning and Radiomics in Brain Tumor Imaging

Philipp Kickingereder, Heidelberg, DE

14:40-15:00

Brain Tumor Metabolism in MR-Spectroscopy

Elke Hattingen, Frankfurt, DE

15:00-16:00

Free communications I

Chair: Elke Giszewski, Innsbruck, AT

15:00-15:10

Effects of Transcranial Pulse Stimulation with Ultrasound (Tps) on Somatosensory Evoked Potentials in Humans

Eva Matt, Vienna, AT

15:10-15:20

fMRI in Patients? Vascular Pathophysiological Effects Exemplified on a Human Translational Model

Marco Piccirelli, Zurich, CH

15:20-15:30

Fast and Direct Estimation of Human Brain Morphometry via Deep Learning

Michael Rebsamen, Bern, CH

15:30-15:40

Deep Learning Based Detection and Localization of Intracranial Aneurysms in Digital Subtraction Angiography

Manoj Mannil, Zurich, CH

15:40-15:50

Hippocampal Subfields and Psychiatry

René Seiger, Vienna, AT

15:50-16:00

Microstructure of the Thalamus in Early Psychosis and Chronic Patients Based on Diffusion Weighted Magnetic Resonance Imaging

Yasser Alemán-Gómez, Lausanne, CH

16:00-16:30

Coffee break

16:30-17:30

Free communications II

Chair: Anja Ischebek, Graz, AT

16:30-16:40

Age- and Gender Effects on Brainstem MR-Planimetry

Stephanie Mangesius, Innsbruck, AT

16:40-16:50

Graph-Based Analysis of the Change of the Resting State Connectivity Networks Under the Open Monitoring Meditation

Sergiy Pereverzyev Jr., Innsbruck, AT

16:50-17:00

Flexible Use of Emotional Resources in Resilient Emerging Adults – An fMRI Study

Christian Siedentopf, Innsbruck, AT

17:00-17:10	<p>The Influence of Daily Caffeine Consumption on Human Brain Morphometry and Cognition Yu-Shiuan Lin, Basel, CH</p>
17:10-17:20	<p>Supra- and Infratentorial Atrophy Following Clinically Isolated Syndromes: a 30-Year Follow-Up Study Lukas Haider, London, UK</p>
17:20-17:30	<p>Neuropsychological Profile in a Patient with Coffin-Siris-Syndrom: a Case Report Nina Bechtel, Basel, CH</p>
17:30	<p>Discussion and Closing Remarks Christoph Stippich and all chairs</p>

GENERAL INFORMATION

Confirmation of participation Please note that confirmations of participation for the OHBM Alpine Chapter Symposium will only be issued to those who have explicitly registered for the symposium

Psychologists	Regular and onsite	Combination with SFCNS Imaging Course
Physicians, psychologists & residents	150	250
Students	70	100

Fees in CHF

Membership An Alpine Chapter membership (via the organisation platform oegfmrt.org) allows up to 50% discount.

Registration For further information, please consult the website sfcns2019.congress-imk.ch

Credits Swiss Society of Radiology (SGR): 8 credits
European Accreditation Council for Continuing Medical Education (EACCME): requested

Cancellation Policy **IMK** must be informed about cancellations in writing until August 31, 2019. 50% of the congress fees will be reimbursed. After August 31, 2019 no refunds can be made.

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