



## 5<sup>th</sup> 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](http://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: Roland Wiest, Bern, CH | Elke Giszewski, Innsbruck, AT

09:45-10:00

### Morphometry of movement disorders

Christian Rummel, Bern, CH

10:00-10:15

### Sleep and neurodegeneration

Birgit Högl, 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; USA

12:00-13:00

## Session III | Cutting edge neuromodulation

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

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, USA

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

15:00-15:08

### Effects of Transcranial Pulse Stimulation with ultrasound (TPS) on somatosensory evoked potentials in humans

Eva Matt, Vienna, AT

15:08-15:16

### fMRI in Patients? Vascular pathophysiological effects exemplified on a human translational model

Marco Piccirelli, Zurich, CH

15:16-15:24

### Hyperacute bilateral thalamic infarction undetected on initial diffusion weighted magnetic resonance imaging A case report

Jin Eun, Seoul, South Korea

15:24-15:32

### Fast and Direct Estimation of Human Brain Morphometry via Deep Learning

Michael Rebsamen, Bern, CH

15:32-15:40

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

Manoj Mannil, Zurich, CH

15:40-15:48

### Hippocampal subfields and Psychiatry

René Seiger, Vienna, AT

15:48-15:56

### 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	<b>Flexible use of emotional resources in resilient emerging adults – An fMRI study</b> Christian Siedentopf, Innsbruck, AT
17:00-17:10	<b>The Influence of Daily Caffeine Consumption on Human Brain Morphometry and Cognition</b> Yu-Shiuan Lin, Basel, CH
17:10-17:20	<b>Supra- and infratentorial atrophy following clinically isolated syndromes: A 30-year follow-up study</b> Lukas Haider, London, UK
17:20-17:30	<b>Neuropsychological profile in a patient with Coffin-Siris-Syndrom: a case report</b> Nina Bechtel, Basel, CH
<b>17:30</b>	<b>Discussion and closing remarks</b> Christoph Stippich and all chairs

## Registration

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

Fees in CHF

## Credits

Swiss Society of Radiology (SGR): requested

European Accreditation Council for Continuing Medical Education (EACCME): requested

## Cancellation Policy

**IMK** must be informed about cancellations in written form until August 31, 2019.

We will be able to reimburse 50% of the congress fees. After August 31, 2019 no refunds will be made.

## Professional Congress Organizer (PCO)

**IMK** Institute for medicine and communication Ltd.

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