

Scientific Program

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

Submission of additional presentations by alpine research groups (oral / poster) is invited via the contacts below.

Local Organisation / Contact

Tabea Philippi-Novak (tabeapn@hotmail.com, 0043-(0)-69917150710)
Roland Beisteiner (roland.beisteiner@meduniwien.ac.at)
Department of Neurology, Medical University of Vienna
Austrian Society for fMRI (www.oegfmrt.org)
OHBM Alpine Chapter (www.humanbrainmapping.org)

Venue

Art nouveau lecture hall (Jugendstilh rsaal)
Building 88, Level 2, Staircase 8, Spitalgasse 23, A-1090 Vienna, Austria

Faculty OHBM Alpine Chapter

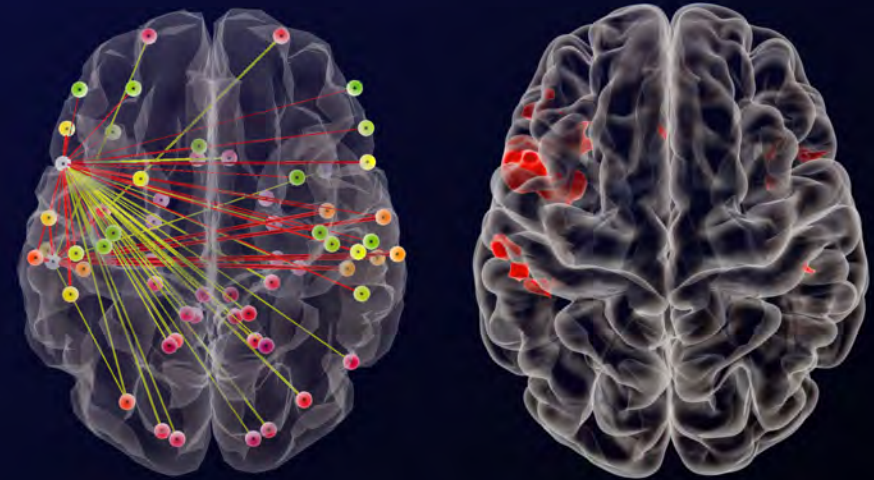
Vienna: Roland Beisteiner (Chair)
Basel: Christoph Stippich (Chair Elect)
Geneva: Patrik Vuilleumier (Secretary)
Graz: Christian Enzinger (Secretary Elect)
Salzburg: Stefan Golaszewski, Martin Kronbichler (Treasurer)
Bern: Roland Wiest (Treasurer Elect)

Sponsoring



Organization for Human Brain Mapping

Alpine Chapter ALPINE
CHAPTER



1st Alpine Chapter Symposium

+

15th Austrian fMRI Symposium

November 27 - 28, 2015

Medical University of Vienna, Austria



Austrian Society for
fMRI
www.oegfmrt.org



Medical Neuroscience
Cluster Medical University
of Vienna, Austria



Medical University
of Vienna, Austria

Friday

09:00 - 09:30 Opening

Roland Beisteiner (Chair OHBM Alpine Chapter)
Markus Mueller (Rector Medical University of Vienna)
Stefan Boehm (Medical Neuroscience Cluster, Medical University of Vienna)

09:30 - 10:30 Christian Enzinger, Graz/AT: Repeated cerebral fMRI to probe effects of neurorehabilitation - chances & challenges

What clinicians want to learn from fMRI rehabilitation studies
Christian Enzinger, Graz, AT

Big data for precision medicine: From cohorts to individualized predictions
Christian Beckmann, Nijmegen, NL

Assessment of stroke recovery with functional MRI
Rick M Dijkhuizen, Utrecht, NL

10:30 - 11:00

- BREAK -

11:00 - 12:00 Lukas Pezawas, Wien/AT: Imaging Measures as Intermediate Phenotypes of Psychiatric Disease

Searching for connectomic intermediate phenotypes for schizophrenia: An empirical study on emotion processing
Hengyi Cao, Mannheim, DE

Imaging Genetics of Human Memory
Dominique de Quervain, Basel, CH

Structural imaging of gene x environment interactions
Ulrich Rabl, Vienna, AT

Oppositional COMT Val158Met effects on resting state functional connectivity in adolescents and adults
Bernhard Meyer, Vienna, AT

12:00 - 12:45 Individual Alpine contributions

fMRI - EEG study during various stages of sleep
Raimund Kaiser et al., Linz, AT

Dynamic Distortion Correction for clinical functional magnetic resonance imaging
Barbara Dymerska, Simon Robinson et al., Wien, AT

Automated morphometric analysis of cerebral MRI and its application in the diagnosis of neurodegenerative diseases
Christoph Scherfler et al., Innsbruck, AT

Further contributions to be announced

12:45 - 14:15

- LUNCH BREAK -

Saturday

14:15 - 14:45 Simon Eickhoff, Jülich/DE: The structure of the haystack: Multivariate methods in neuroimaging

14:45 - 15:30 Mauricio Reyes, Bern/CH: Machine learning

Detection and analysis of brain lesions using machine learning
Mauricio Reyes, Bern, CH

Approaches in neuroimaging: The variability of functional brain architecture
Georg Langs, Vienna, AT

Machine learning in brain tumor segmentation: The BRATS competition
Bjoern Menze, Munich, DE

15:30 - 16:00 - BREAK -

16:00 - 17:00 Veronika Schöpf, Guilherme Wood, Graz/AT: Multimodal Imaging

Alcohol and the human brain: A multimodal MR imaging perspective
Deepika Bagga, Graz, AT

Multimodal functional connectivity analysis of fetal MRI images
Andras Jakab, Vienna, AT

Spirituality and the ability of self control over brain activity: A multimodal imaging study
Silvia Kober, Graz, AT

With body and soul: A comparison of self regulatory mechanisms required for neurofeedback in triathletes and healthy controls
Matthias Witte, Graz, AT

18:30 - DINNER -

08:30 - 09:15 Roland Wiest, Bern/CH: Post stroke recovery of hand function

Recovery potential after acute stroke
Rüdiger Seitz, Düsseldorf, DE

Supplementary motor complex and disturbed motor control
Florian Brugger, St. Gallen, CH

Neuronal networks involved in stroke recovery
Eugenio Abela, Bern, CH

09:15 - 10:15 Rupert Lanzenberger, Wien/AT: Pharmacological Neuroimaging

fMRI in mice: Changes in functional networks due to pathology and pharmacological interventions
Markus Rudin, Zürich, CH

Antidepressants and MRI with psychiatric patients
Thomas Frodl, Magdeburg, DE

MRI and PET investigations of the effects of sex hormones on brain structure and function
Georg Kranz, Vienna, AT

Effects of ketamin on the human brain investigated by pharmacological fMRI
Andreas Hahn, Vienna, AT

10:15 - 10:45 - BREAK -

10:45 - 11:45 Stefan Golaszewski, Salzburg/AT: Clinical applications of brain computer interfaces

Applicability of fMRI for brain computer interfaces
Rainer Goebel, Maastricht, NL

Detecting signs of consciousness as a prerequisite of brain computer communication
Boris Kotchoubey, Tübingen, DE

Investigation of brain function of patients suffering from chronic impaired consciousness
Stefan Golaszewski, Salzburg, AT

11:45 - 12:30 Anja Ischebeck, Graz/AT: The functional and structural basis of cognition

How fast is aging of brain structures? A box-cox investigation
Maria Morozova & Guilherme Wood, Graz, AT

Influence of acute bouts of exercise on effective connectivity within the verbal working memory network
Karl Koschutnig, Gernot Reishofer & Andreas Fink, Graz, AT

The neural correlates of social comparisons: Differential activations for self-related comparisons
Gayanee Kedia, Thomas Mussweiler, Anja Ischebeck, Graz, AT

12:30 - 14:00

- LUNCH BREAK -

14:00 - 15:00 Roland Beisteiner, Tecumseh Fitch, Vienna/AT: Functional Imaging of Hierarchy and Recursion

Hierarchy and recursion
Tecumseh Fitch, Vienna, AT

Functional imaging of language hierarchy and recursion
Tomas Goucha, Emiliano Zaccarella, Angela Friederici, Leipzig, DE

Functional imaging of visual hierarchy and recursion
Florian Fischmeister, Vienna, AT

Functional imaging of musical hierarchy and recursion
Mauricio Martins, Berlin, DE

15:00 - 16:00 Christoph Stippich, Basel/CH: Brain Mapping of auditory and language systems: Plasticity, individual abilities and learning strategies

Neural basis of sound perception in children and adults
Peter Schneider, Heidelberg, DE

Imaging training-induced neuroplasticity in professional musicians
Maria Blatow, Basel, CH

Musical aptitude and expertise from a neurocognitive viewpoint
Annemarie Seither-Preisler, Graz, AT

Neural basis of language learning and expertise
Narly Golestani, Genf, CH

16:00 - 16:30

- BREAK -

from 16:30 Individual Alpine contributions

Shared and dissociated neural representations for pain and disgust
Gil Shlomo Sharvit, Corrado Corradi Dell'Acqua, Patrik Vuilleumier, Genf, CH

Pain activations in patients with menstrual cramps
Christian Siedentopf, Elke Gizewski et al., Innsbruck, AT

7 Tesla DCM Connectivity Analysis in affective disorders
Ronald Sladky, Christian Windischberger, Vienna, AT

Short-term effect of escitalopram on efficiency of sensorimotor networks
Christian Weisstanner, Georg Kägi, John Missimer, Roland Wiest, Bern, CH

Reading and the left occipitotemporal cortex
Martin Kronbichler, Salzburg, AT

Further contributions to be announced

Poster visits during the breaks