

Scientific Program

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

For free registration or submission of additional alpine presentations please contact the local organizers given below.

Local Organisation / Contact

Tabea Philippi-Novak (tabeapn@hotmail.com, 0043-(0)-69917150750)
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

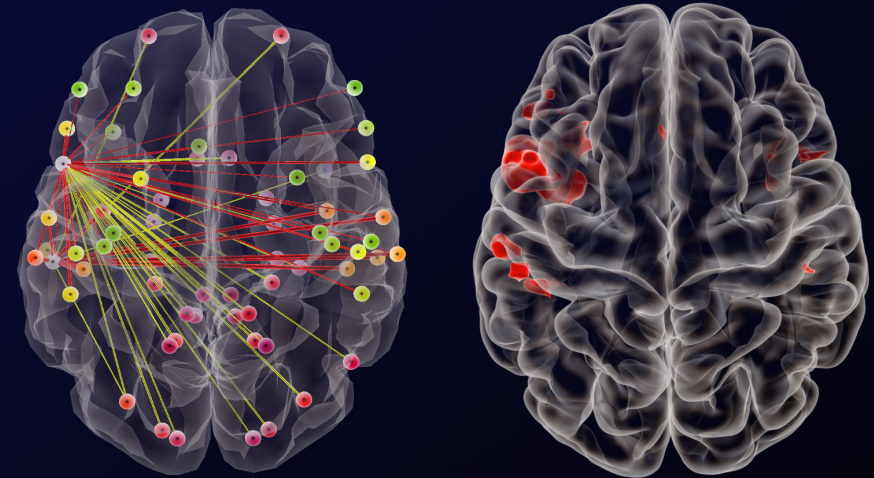
Vienna: Roland Beisteiner (Chair)
Basel: Christoph Stippich (Chair Elect)
Geneva: Patrik Vuilleumier (Secretary)
Graz: Christian Enzinger (Secretary Elect)
Salzburg: Stefan Golaszewski, Martin Kronbichler (Treasurer)
Bern: Roland Wiest (Treasurer Elect)

Sponsoring



Organization for Human Brain Mapping

Alpine Chapter 



1. Alpine Chapter Symposium

+

15. 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

Freitag / Friday

09:00 - 09:30 Eröffnung / 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

7 Tesla DCM Konnektivitätsanalyse bei affektiven Erkrankungen /
7 Tesla DCM connectivity analysis in affective disorders
Ronald Sladky, Christian Windischberger, Wien, AT

Kombinierte fMRT und EEG Studie während verschiedener Schlafzyklen /
fMRI - EEG study during various stages of sleep
Raimund Kleiser et al., Linz, AT

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

Automatisierte morphometrische Analyse cerebraler MRI und ihre Verwendung bei der Diagnose neurodegenerativer Erkrankungen /
Automated morphometric analysis of cerebral MRI and its application in the diagnosis of neurodegenerative diseases
Christoph Scherfler et al., Innsbruck, AT

12:45 - 14:15 - LUNCH BREAK -

Samstag / Saturday

14:15 - 14:45 Simon Eickhoff, Jülich/DE: Die Struktur des Heuhaufens: Multivariate Methoden und Data-Mining / 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: Erholung der Handfunktion nach Schlaganfall / Post stroke recovery of hand function

Erholungspotential nach akutem Schlaganfall / Recovery potential after acute stroke
Rüdiger Seitz, Düsseldorf, DE

Supplementärmotorischer Komplex und gestörte Motorikkontrolle / Supplementary motor complex and disturbed motor control
Florian Brugger, St. Gallen, CH

Involvierte neuronale Netzwerke bei Erholung nach Schlaganfall / Neuronal networks involved in stroke recovery
Eugenio Abela, Bern, CH

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

fMRT bei Mäusen: Veränderungen von funktionellen Netzwerken infolge pathologischer Prozesse und pharmakologischer Interventionen / fMRI in mice: Changes in functional networks due to pathology and pharmacological interventions
Markus Rudin, Zürich, CH

Antidepressiva und MRT bei psychiatrischen Patienten / Antidepressants and MRI with psychiatric patients
Thomas Frodl, Magdeburg, DE

Wirkung der Sexualhormone auf die Gehirnstruktur und -funktion untersucht mit MRT und PET / MRI and PET investigations of the effects of sex hormones on brain structure and function
Georg Kranz, Vienna, AT

Effekte von Ketamin auf das humane Gehirn untersucht mit pharmakologischer fMRT / 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: Klinische Anwendungen von Hirn Computer Schnittstellen / Clinical applications of brain computer interfaces

Anwendungsmöglichkeiten der fMRT für Hirn-Computer Schnittstellen / Applicability of fMRI for brain computer interfaces

Rainer Goebel, Maastricht, NL

Erfassung von Bewusstseinsfunktionen als Vorstufe einer Hirn-Computer-Kommunikation / Detecting signs of consciousness as a prerequisite of brain computer communication

Boris Kotchoubey, Tübingen, DE

Untersuchung der Hirnfunktion bei Patienten mit schweren chronischen Bewusstseinsstörungen / Investigation of brain function of patients suffering from chronic impaired consciousness

Stefan Golaszewski, Salzburg, AT

11:45 - 12:30 Anja Ischebeck, Graz/AT: Funktionelle und strukturelle Basis der Kognition /The functional and structural basis of cognition

Wie schnell werden Gehirnstrukturen älter? Eine Box-Cox Untersuchung / How fast is aging of brain structures? A box-cox investigation

Maria Morozova & Guilherme Wood, Graz, AT

Einfluss einer kurzen sportlichen Intervention auf die kausale Konnektivität im Arbeitsgedächtnis / 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 -

Lageplan / Site Map

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

Schmerz-Aktivierung bei Patientinnen mit Regelschmerzen / Pain activations in patients with menstrual cramps
Christian Siedentopf, Elke Gizewski et al., Innsbruck, AT

Kurzfristige Wirkung von Escitalopram auf die Effizienz der sensomotorischen Netzwerke / Short-term effect of escitalopram on efficiency of sensorimotor networks
Christian Weisstanner, Georg Kägi, John Missimer, Roland Wiest, Bern, CH

Lesen und der links okzipitotemporale Kortex / Reading and the left occipitotemporal cortex
Martin Kronbichler, Salzburg, AT

Further contributions to be announced

- Poster visits during the breaks -

Jugendstilhörsaal
Bauteil 88, Ebene 02, Stiege 8, Spitalgasse 23
(direkt erreichbar über AKH-Ebene 03)
1090 Wien

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

