

BBL/CIBM/FCBG Research Day 2024

15th May 2024 | Marcel-Jenny Auditorium, University Hospital of Geneva

NON
SSES
S
E
S
S
R
E
T
S
O
P

- 1 Real-Time Functional MRI in Functional Neurological Disorder: A Proof of Concept Study**
Aybek Selma, Van De Ville Dimitri, Loukas Serafeim, Gninenko Nicolas, Müller Eliane
- 2 Interictal structure-function coupling revealed by connectome spectrum analyses, and its relationship to surgical outcome**
De Wouters Louise, Rigoni Isotta, Roehri Nicolas, Lagarde Stanislas, Seeck Margitta, Van De Ville Dimitri, Hagmann Patric, Vulliémaz Serge
- 3 NAD+(H) Dynamics Using 31P Functional MRS in the Brain: Insights into Energy Metabolism Mechanisms during Visual Stimulation**
Kaiser Antonia, Anvari Vind Fatemeh, Jelescu Ileana, Widmaier Mark, Wenz Daniel, Xin Lijing
- 4 Deep learning microstructure estimation of developing brains from diffusion MRI: A newborn and fetal study**
Kebiri Hamza, Gholipour Ali, Lin Rizhong, Vasung Lana, Calixto Camilo, Krsnik Zeljka, Karimi Davood, Bach Cuadra Meritxell
- 5 Studying the impact of corpus callosum abnormalities on cognitive and brain development – a longitudinal and multimodal study**
Koob Meriam, Sanchez Thomas, Schmidt Léa, Siffredi Vanessa, Bach Cuadra Meritxell, Richiardi Jonas
- 6 The effect of long-term strength training on brain metabolism in the elderly: a 7T 1H MRS study**
Liu Xinyu, Scherrer Celin, Egger Sven, Lim Song-I, Lauber Benedikt, Taube Wolfgang, Xin Lijing
- 7 Rebalance the GABAergic inhibitory system in the elderly brain: Influence of balance learning on GABA concentration, intracortical inhibition and functional connectivity**
Liu Xinyu, Scherrer Celin, Egger Sven, Lim Song-I, Lauber Benedikt, Jelescu Ileana, Griffa Alessandra, Gambarota Giulio, Taube Wolfgang, Xin Lijing
- 8 Deep learning uncertainty quantification of cortical lesions in MP2RAGE for missed lesions discovery**
Molchanova Nataliia, Cagol Alessandro, Ocampo-Pineda Mario, Chen Xinjie, Weigel Matthias, Müller Henning, Graziani Mara, Granziera Cristina, Bach Cuadra Meritxell
- 9 Emotion components and fMRI: validating a video game paradigm testing Expectation and Uncertainty**
Nonni Martina, Vuilleumier Patrik
- 10 Impact of the Pulvinar in Visual Attentional Processes**
Piron Nicolas, Burra Nicolas, Vuilleumier Patrik, Guedj Carole
- 11 Hemodynamic parameters quantification in intracranial aneurysms with PC-MRI at 7T**
Reymond Philippe, Sache Antoine, Brina Olivier, Jung Bernd, Farhat Mohamed, Vargas Maria Isabel
- 12 Effect of circadian-rhythm seizure occurrence on brain network and memory in focal epilepsy**
Rigoni Isotta, Vorderwülbecke Bernd, Pedrazzini Elena, Diaz Payamps Luca, Vulliémaz Serge
- 13 Self-regulation of attention in ADHD children in a virtual classroom environment: a feasibility study**
Roy Charlotte, Tyrand Rémi, Badier Emmanuel, Ha-Vinh Leuchter Russia, Grouiller Frédéric, Guedj Carole
- 14 Brain mechanisms of ego- and allocentric representations in VR-based imagined and actual navigation**
Song Jie, Badier Emmanuel, Sani Ilaria, Vuilleumier Patrik
- 15 3D whole brain mapping of creatine kinase metabolic rate using 31P-MR fingerprinting**
Widmaier Mark, Kaiser Antonia, Xiao Ying, Huang Zhiwei, Jiang Yun, Lim Songi, Wenz Daniel, Xin Lijing
- 16 Fast and accurate 31P B1-mapping at high magnetic fields with short TRs**
Widmaier Mark, Kaiser Antonia, Baup Salome, Xiao Ying, Huang Zhiwei, Jiang Yun, Wenz Daniel, Xin Lijing
- 17 A 3/2-channel 1H/13C RF surface coil for localized 13C MRS in the human frontal lobe at 7 T**
Xiao Ying, Lanz Bernard, Wenz Daniel, Pierzchala Katarzyna, Xin Lijing
- 18 Improved reproducibility of GABA measurement from short-TE 1H MRS by linewidth-matched basis sets in LC Model**
Xiao Ying, Lanz Bernard, Lim Song-I, Tkáč Ivan, Xin Lijing
- 19 Tackling domain shifts in fetal MRI at 1.5 T and 0.55 T**
Zalevskiy Vladyslav, Roulet Margaux, Kebiri Hamza, Sanchez Thomas, Bach Cuadra Meritxell

7T MRI poster
0.55T MRI poster

Organised by

