

# BBL/CIBM/FCBG research day 2022

1<sup>st</sup> June 2022 - CMU, University of Geneva

POSTERS

- 1 Signatures of the brain: fingerprinting and task decoding with structure-function coupling**  
Alessandra Griffa, Enrico Amico, Raphaël Liégeois, Dimitri Van De Ville, Maria Giulia Preti
- 2 Moderating effects of uric acid and gender on non-motor symptoms in patients with asymmetric Parkinson's disease**  
Ioana Medeleine Constantin, Philippe Voruz, Julie Anne Péron
- 3 Altered correlation of simultaneously recorded EEG-fMRI connectomes in temporal lobe epilepsy**  
Jonathan Wirsich, Giannina Rita Iannotti, Ben Ridley, Laurent Sheybani, Elhum Shamshiri, Frédéric Grouiller, Fabrice Bartolomei, Margitta Seeck, François Lazeyras, Jean-Philippe Ranjeva, Maxime Guye, Serge Vuilleumier
- 4 Can threat conditioning generalize across sensory modalities?**  
Ploumitsakou Maria, Leitão Joana, Vuilleumier Patrik
- 5 Personality as a predictor of disability, progression, and treatment adherence in Multiple Sclerosis**  
Isabele Jacot de Alcântara, Philippe Voruz, Gilles Allali, Patrice Lalive, Chloé Fragnoli, Maria-Paraskevi Antoniou, Julie Péron
- 6 Changes in Functional Connectivity after an EEG-Neurofeedback training in children**  
Lou Planchamp, Madison Stringer, Rémi Tyrand, Emmanuel Badier, Russia Ha-Vinh Leuchter, Patrik Vuilleumier, Carole Guedj, Frédéric Grouiller
- 7 Training children to improve their attention through EEG-neurofeedback in a virtual reality classroom**  
Madison Stringer, Lou Planchamp, Rémi Tyrand, Emmanuel Badier, Russia Ha-Vinh Leuchter, Patrik Vuilleumier, Carole Guedj, Frédéric Grouiller
- 8 MRI Adventure: Prepare children in VR before an MRI scan**  
Emmanuel Badier, Amine Hadjiat, Bruno Bonet, Christophe Mermoud, Céline Gaignot, Sylvain Delplanque, Laurent Moccozet, Frédéric Grouiller
- 9 8-Channel Dipolelectric Antenna Array for Occipital Lobe MRI at 7T**  
Daniel Wenz, Lijing Xin

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- 10 High-resolution T1 atlas for subject-specific abnormality detection at 7T**  
Gian Franco Piredda, Tom Hilber, Gabriele Bonanno, Arun Joseph, Punith B. Venkategowda, Ricardo A. Corredor Jerez, Bénédicte Maréchal, Jean-Philippe Thiran, Roland Wiest, Tobias Kober, and Piotr Radojewski
- 11 Task-based functional coupling of intentional action**  
Naz Doganci, Giannina Rita Iannotti, Radek Ptak
- 12 Quantitative functional brain mapping imaging using Arterial Spin Labelling for safe neurosurgery**  
GR Iannotti, I Nadin, V Ivanova, Q Tourdot, S Momjian, KL Schaller, KO Lovblad, F Grouiller
- 13 Emotion schema effects on associative memory differ for disgust and fear**  
Monika Riegel, Marek Wypych, Małgorzata Wierzbą, Michał Szczepanik, Katarzyna Jednoróg, Patrik Vuilleumier, Artur Marchewka
- 14 Pycrostates, a python library to study EEG microstates**  
Victor Férat, Mathieu Scheltienne, Denis Brunet, Tomas Ros, Christoph M. Michel
- 15 Graviceptive contribution to first-person perspective: behavioral and fMRI neural correlates**  
Estelle Nakul, Julia Brügger, Baptiste Gauthier, Petr Grivaz, Nathan Faivre, Olaf Blanke
- 16 Fingerprints of brain disease: connectome identifiability during cognitive decline**  
Stampacchia S, Asadi S, Tomczyk S, Ribaldi F, Scheffler M, Lövblad K-O, Pievani M, Frisoni GB, Garibotto V, Amico E
- 17 Auditory enhancement of illusory contour perception: a 7T fMRI study**  
Anna Gaglianese
- 18 Electrophysiology of recognition memory suggests differential impact of decisional processes and response types**  
Stephan Schneider, Sélim Yahia Coll, Armin Schnider, Radek Ptak

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