

BBL/CIBM/FCBG research day 2022

1st June 2022 - Auditoire Adolphe Franceschetti, Centre Médical Universitaire, University of Geneva

W

8h45 Welcome

M

9h00 **Session 1** - Chaired by Francois Lazeyras

Can physical exercise compensate for suboptimal spatial memory representations in healthy young individuals at high genetic risk for developing Alzheimer's disease?. Kinka Igloi (PI: Sophie Schwartz, UNIGE)

Sense of agency modulates the neural mechanisms of episodic autobiographical memory. Nathalie Meyer (PI: Olaf Blanke, EPFL)

The Effect of Uncertainty on Pain Valuation and Representation in Self and Others. Leyla Loued-Khenissi (PI: Corrado Corradi dell'Acqua, UNIGE)

Does liraglutide lead to weight loss by altering food-related sensory pleasure?: A randomized controlled trial in patients with obesity on GLP-1 receptor agonist. Géraldine Coppin (PI: David Sander, UNIGE)

M

10h20 Coffee Break

A

10h40 **Session 2** - Chaired by Dimitri Van De Ville

Alteration of resting-state brain networks after negative socio-affective events in the elderly and relationship with neurodegenerative risk biomarkers. Sebastian Baez (PI: Patrik Vuilleumier, UNIGE)

Effects of musical interventions on brain and behavior in healthy elderly. Damien Marie (PI: Clara James, HES & UNIGE)

Real-Time fMRI Neurofeedback for Chronic Tinnitus. Nicolas Gninenko (PI: Sven Haller, UNIGE, Dimitri Van De Ville, EPFL, UNIGE)

Predicting cognitive performance from functional connectivity in healthy participants and patients with stroke. Radek Ptak (PI: Radek Ptak, HUG)

R

12h00 Lunch Break with Posters

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14h00 **Session 3** - Chaired by Olaf Blanke

Neural reactivity to psychosocial stress in emotion dysregulation disorders. Ryan Murray (PI: Camille Piguet, UNIGE)

Functional connectivity underlying cognitive and psychiatric symptoms in post-COVID-19 syndrome: is anosognosia a key determinant?. Alexandre Cionca (PI: Julie Peron, UNIGE, Frederic Assal, HUG)

Multimodal imaging of emotional vocalization production. Garance Selosse (PI: Didier Grandjean, UNIGE, Leonardo Ceravolo, UNIGE)

Concurrent TMS-fMRI to determine adaptive brain changes to virtual lesions interfering with visual processing. Estelle Raffin (PI: Friedhelm Hummel, EPFL)

O

15h20 Tea Break

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15h40 **Session 4** - Chaired by Patrik Vuilleumier

Motion calibration and tracking setup for MRI. Oscar Dabrowski (PI: Francois Lazeyras, HUG, Bastien Chopard, UNIGE)

Kidney transplant monitoring by 31P MRSI and analysis by neural network. Julien Songeon (PI: Francois Lazeyras, HUG)

Focused ultrasound in neuroscience. Pauline Guillemain (PI: Rares Salomir, HUG)

P

16h40 Closing

17h30 Inauguration of the newly upgraded 3T MRI scanner at the BBL.

Organised by

