

NEWS

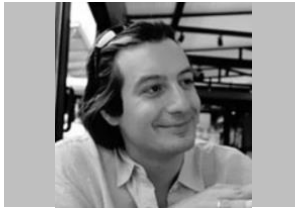
The Neurocenter is hosting a workshop on May 30 about « development of effective communication with others and with AI in research » led by Laura Riontino (Sophie Schwartz lab) and Giannina Rita Iannotti (HUG-Neurocentre clinique). The first part will be dedicated to improving communication with others, like pairs and supervisors, and the second part will be devoted to developing a critical use of the AI tool, ChatGPT. The workshop will take place at Campus Biotech from 3 to 5 PM. Priority is given to our Master students in neuroscience but open to other participants in the limit of 30 spots.

WORKSHOP



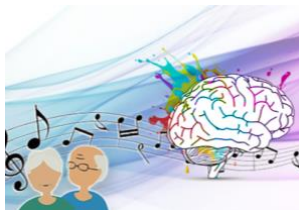
[Register here before May 15th](#)

FUNDING



Congratulations to Dr Tomas Ros who has been awarded with a SNSF Life Science grant to led the project « Innovating neurofeedback therapy for ADHD: training real-time brain (micro)states. » This translational project aims to clinically validate neurofeedback as an alternative to pharmacological therapies to ADHD which are currently efficient but associated with a decreased efficacy over time as well as adverse side effects. <https://www.tomasros.com/>

AGING



Prof. Clara James's team has shown that practicing and listening to music can alter cognitive decline in healthy seniors by stimulating the production of grey matter. One hundred retired people enrolled in piano and music awareness training. After 6 months, they showed an increase in grey matter and better performance in working memory tasks. To be read in *NeuroImage: Reports*. <https://www.unige.ch/communication/communiqués/en/2023/la-pratique-musicale-freine-le-declin-cognitif>

ALZHEIMER



An international team led by Pr Giovanni Frisoni has shown that amyloid and tau blood-based biomarkers, currently used for research, could also be used in a clinical context for the diagnosis of Alzheimer's disease. Blood-based biomarkers are significantly less invasive and expensive than traditional biomarkers and could greatly simplify the diagnostic process for Alzheimer's disease. <https://www.unige.ch/communication/communiqués/en/2023/diagnostique-r-alzheimer-grace-aux-biomarqueurs-sanguins>

LEMANIC NEUROAGENDA

May 8

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room B04.2222 CMU, Geneva

[More](#)

[Elena Taverna](#), Human Technopole, Milan, Italy

Title: Choosing to be different: cell identity and fate choice in the developing brain

May 9

12:15, onsite and online

B&C Seminar, NCCR Evolving Language, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[Join](#)

[Pierre Mégevand](#), Department of clinical neuroscience, University of Geneva/HUG, Switzerland

Title: Invasive neurophysiology to elucidate the neural correlates of speech

May 11

17:00, onsite and online

NeuCli Talks, HUG, Geneva

📍 Room 7A-2-744/745, Prevost, HUG

[Join](#)

[Friedhelm Hummel](#), EPFL, Lausanne, Switzerland

Title: Non-invasive neuro-modulation to enhance motor and cognitive functions

May 11

16:00, onsite and online

BMI Seminar, EPFL

📍 SV1717, EPFL, Lausanne

[Join](#)

[Karel Svoboda](#), Allen Institute, Seattle, USA

Title: The neural circuits underlying planning and movement

May 15

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room B02.2526A, CMU, Geneva

[More](#)

[Gary Lewin](#), Max Delbrück center, Berlin, Germany

Title: New mechanically-gated ion channels and tethers for touch

May 16

12:15, onsite and online

B&C Seminar, NCCR Evolving Language, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[Join](#)

[Valentina Borghesani](#), Department of psychology, University of Geneva, Switzerland

Title: Investigating semantics above and beyond language: a clinical and cognitive neuroscience approach

May 17

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room B02.2526A, CMU, Geneva

[More](#)

[Yulong Li](#), Pekin University Life Sciences, China

Title: Spying on neuromodulation by constructing new genetically-encoded GRAB sensors

[Michael Halassa](#), Department of brain and cognitive sciences, MIT

Title: Thalamocortical interactions in hierarchical reasoning

May 17

16:00, online

Neuro-X Seminar, EPFL

[Join](#)

[Maryam Shaneshi](#), University South California, USA

Title: tba

May 23

16:30, onsite

CISA lectures series, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[More](#)

[Deborah Talmi](#), Department of Psychology, University of Cambridge, UK

Title: When we want to remember: A mechanistic model of emotional and motivated memory recall

May 25

17:00, onsite and online

HUG-NC Talks, HUG

📍 library of Neurology, 2nd floor, STERN build, HUG

[Join](#)

[Lukas Volz](#), Department of neurology, University of Cologne, Germany

Title: Functional reorganization after stroke – a network perspective

May 30

12:15, onsite

B&C Seminar, CISA, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[More](#)

[Leonie Koban](#), CNRS - Paris Brain Institute (ICM), France

Title: Social influences on affect and decision-making: from behavior to brain signatures

May 30

9:00-12:00, onsite

Neurocenter, UNIGE

📍 Hall H8, Campus Biotech, Geneva

NeuroMasterDay

Poster presentations of our Master students in neuroscience

May 30

14:00, onsite

Neurocenter, UNIGE

📍 Room H8-01F, Campus Biotech, Geneva

AG Neurocenter

May 30

15:00, onsite

Neurocenter, UNIGE

📍 Room H8-01D, Campus Biotech, Geneva

[Register](#)

Workshop, Laura Riontina and Giannina Rita Iannotti

Title: Development of effective communication with others and with AI in research

World Wide Neuro

Online platform gathering webinars

[All seminars hosted by WorldWideNeuro here](#)

NEUROCENTER PUBLICATIONS

April 2023

The economic burden of the post-COVID-19 condition: Underestimated long-term consequences of neuropsychological deficits.

Voruz P, Assal F, **Péron JA**

Journal of global health - May 2023

Transdiagnostic brain correlates of self-reported trait impulsivity: A dimensional structure-symptom investigation.

Schaub AC, Vogel M, Lang UE, **Kaiser S**, Walter M, Herdener M, Wrege J, Kirschner M, Schmidt A

NeuroImage. Clinical - Apr 2023

To be or not to be relevant: Comparing short- and long-term consequences across working memory prioritization procedures.

Jeanneret S, Bartsch LM, **Vergauwe E**

Attention, perception & psychophysics - May 2023

Exposure to negative socio-emotional events induces sustained alteration of resting-state brain networks in older adults.

Baez-Lugo S, Deza-Araujo YI, Maradan C, Collette F, Lutz A, Marchant NL, Chételat G, **Vuilleumier P**, Klimecki O

Nature aging - Jan 2023

The Effects of 12-Week Dual-Task Physical-Cognitive Training on Gait, Balance, Lower Extremity Muscle Strength, and Cognition in Older Adult Women: A Randomized Study.

Nascimento MM, Maduro PA, Rios PMB, Nascimento LDS, Silva CN, **Kliegel M**, Ihle A

International journal of environmental research and public health - Apr 2023

Measurement properties of 72 movement biomarkers aiming to discriminate non-specific chronic low back pain patients from an asymptomatic population.

Moissenet F, **Armand S**, Genevay S

Scientific reports - Apr 2023

Adult age differences in the psychophysiological response to acute stress.

Mikneviciute G, Pulpulos MM, Allaert J, Armellini A, **Rimmele U**, **Kliegel M**, Ballhausen N

Psychoneuroendocrinology - Apr 2023

Cerebral Oximetry Monitoring in Extremely Preterm Infants.

Hansen ML, Pellicer A, Hyttel-Sørensen S, Ergenekon E, Szczapa T, Hagmann C, Naulaers G, Mintzer J, Fumagalli M, Dimitriou G, Dempsey E, Tkaczyk J, Cheng G, Fredly S, Heuchan AM, Pichler G, Fuchs H, Nesargi S, Hahn GH, Piris-Borregas S, Širc J, Alsina-Casanova M, Stocker M, Ozkan H, Sarafidis K, Hopper AO, Karen T, Rzepecka-Węglarz B, Oguz SS, Arruza L, Memisoglu AC, Del Rio Florentino R, Baserga M, Maton P, Truttmann AC, de Las Cuevas I, Agergaard P, Zafra P, Bender L, Lauterbach R, Lecart C, de Buyst J, El-Khuffash A, Curley A, Vaccarello OO, Miletin J, Papathoma E, Vesoulis Z, Vento G, Cornette L, Lopez LS, Yasa B, Klamer A, Agosti M, **Baud O**, Mastretta E, Cetinkaya M, McCall K, Zeng S, Hatzidaki E, Bargiel A, Marciniak S, Gao X, Huijia L, Chalak L, Yang L, Rao SA, Xu X, Gonzalez BL, Wilinska M, Yin Z, Sadowska-Krawczenko I, Serrano-Viñuales I, Krolak-Olejnik B, Ybarra MM, Morales-Betancourt C, Korček P, Teresa-Palacio M, Mosca F, Hergenhan A, Koksall N, Tsoni K, Kadri MM, Knöpfli C, Rafinska-Wazny E, Akin MS, Nordvik T, Peng Z, Kersin SG, Thewissen L, Alarcon A, Healy D, Urlesberger B, Baş M, Baumgartner J, Skylogianni E, Karadyova V, Valverde E, Bergon-Sendin E, Kucera J, Pisoni S, Wang L, Smits A, Sanchez-Salmador R, Rasmussen MI, Olsen MH, Jensen AK, Glud C, Jakobsen JC, Greisen G

The New England journal of medicine - Apr 2023

Clinical Psychology and the COVID-19 Pandemic: A Mixed Methods Survey Among Members of the European Association of Clinical Psychology and Psychological Treatment (EACLIPT).

Asbrand J, Gerdes S, Breedvelt J, Guidi J, Hirsch C, Maercker A, Douilliez C, Andersson G, **Debbané M**, Cieslak R, Rief W, Bockting C

[Clinical psychology in Europe - Mar 2023](#)

Post-revascularization Ejection Fraction Prediction for Patients Undergoing Percutaneous Coronary Intervention Based on Myocardial Perfusion SPECT Imaging Radiomics: a Preliminary Machine Learning Study.

Mohebi M, Amini M, Alemzadeh-Ansari MJ, Alizadehasl A, Rajabi AB, Shiri I, **Zaidi H**, Orooji M

[Journal of digital imaging - Apr 2023](#)

Variation in postoperative outcomes of patients with intracranial tumors: insights from a prospective international cohort study during the COVID-19 pandemic.

Poon MTC, Piper RJ, Thango N, Fountain DM, Marcus HJ, Lippa L, Servadei F, Esene IN, Freyschlag CF, Neville IS, Rosseau G, **Schaller K**, Demetriades AK, Robertson FC, Hutchinson PJ, Price SJ, Baticulon RE, Glasbey JC, Bhangu A, Jenkinson MD, Koliass AG ,

[Neuro-oncology - Apr 2023](#)

FENS-Kavli Network of Excellence: Perspectives on existing and emerging scientific career models in neuroscience.

Beyeler A, **El-Boustani S**

[The European journal of neuroscience - Apr 2023](#)

Single-cell Genomics: A Quantum Leap toward Understanding Complexity?

Vutskits L

[Anesthesiology - May 2023](#)

Topography of associations between cardiovascular risk factors and myelin loss in the ageing human brain.

Trofimova O, Latypova A, DiDomenicantonio G, Lutti A, de Lange AG, **Kliegel M**, Stringhini S, Marques-Vidal P, Vaucher J, Vollenweider P, Strippoli MF, Preisig M, Kherif F, Draganski B

[Communications biology - Apr 2023](#)

A 10.5-year follow-up of walking with unilateral spastic cerebral palsy.

Bonnefoy-Mazure A, De Coulon G, Lascombes P, Bregou A, **Armand S**

[Journal of children's orthopaedics - Apr 2023](#)

Early timing of anesthesia in status epilepticus is associated with complete recovery: A 7-year retrospective two-center study.

De Stefano P, Baumann SM, Grzonka P, Sarbu OE, De Marchis GM, Hunziker S, Rüegg S, Kleinschmidt A, Quintard H, Marsch S, **Seeck M**, Sutter R

[Epilepsia - Apr 2023](#)

Functional brain changes in sarcopenia: evidence for differential central neural mechanisms in dynapenic older women.

Trost W, Hars M, Fernandez N, Herrmann F, Chevalley T, Ferrari S, Gold G, Rizzoli R, **Vuilleumier P**, Trombetti A

[Aging clinical and experimental research - May 2023](#)

The relationship between depressive symptoms, metamemory, and prospective memory in older adults.

Da Silva Coelho C, Zuber S, Künzi M, Joly-Burra E, **Kliegel M**

[Journal of clinical and experimental neuropsychology - Feb 2023](#)

Plasma biomarkers for Alzheimer's disease: a field-test in a memory clinic.

Altomare D, Stampacchia S, Ribaldi F, Tomczyk S, Chevalier C, Poulain G, Asadi S, Bancila B, Marizzoni M, Martins M, Lathuiliere A, Scheffler M, Ashton NJ, Zetterberg H, Blennow K, Kern I, Frias M, **Garibotto V**, **Frisoni GB**

[Journal of neurology, neurosurgery, and psychiatry - Apr 2023](#)

Excitatory inhibitory imbalance underlies hippocampal atrophy in individuals with 22q11.2 Deletion Syndrome with psychotic symptoms.

Mancini V, Saleh MG, Delavari F, Bagautdinova J, Eliez S

Biological psychiatry - Apr 2023

Effects of deep brain stimulation frequency on eye movements and cognitive control.

Zacharia A, Kaski D, Bouthour W, Dayal V, Bereau M, Mahlkecht P, Georgiev D, Péron J, Foltynie T, Zrinzo L, Jahanshahi M, Rothwell J, Limousin P

[NPJ Parkinson's disease - Mar 2023](#)

A dataset of asymptomatic human gait and movements obtained from markers, IMUs, insoles and force plates.

Grouvel G, Carcreff L, Moissenet F, Armand S

[Scientific data - Mar 2023](#)