

NEWS

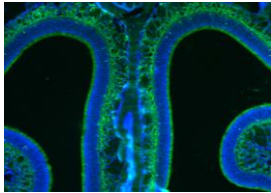
The Assemblée Générale of the Geneva University Neurocenter will take place on Friday, June 10th at 2.00 PM at Campus Biotech, following the NeuroMasterDay, where our Master students will present their current research work in the form of posters. The Assemblée Générale will be the opportunity to appoint the new members of our Committee.

ASSEMBLEE



To know more : delphine.jochaut@unige.ch

OLFACTION



Ivan Rodriguez's team has discovered a large variability in the gene expression profiles depending on the expressed receptors of olfactory neurons and on previous exposure to odors. These results, to be read in *Nature Communications*, highlight a wide range of identities of olfactory neurons and their adaptation to the environment.

<https://www.unige.ch/communication/communiqués/en/2022/commentaires-neurones-olfactifs-sadaptent-leur-environnement>

EVENT



The international summer school in affective sciences (ISSAS) organized by the CISA will take place from July 7 to July 7th, 2022 at the château of Bossey. This year, the central topic will be "Emotions and well-being".

<https://www.unige.ch/cisa/education/summer-school-issas/issas-2022/>

DECISION



In a recent study, Tobias Brosch's team investigated the cognitive factors that still dissuade many people from switching to electric cars. They found that car owners systematically underestimate the capacity of electric driving ranges to meet their daily needs.

<https://www.unige.ch/communication/communiqués/en/2022/commentaire-un-biais-cognitif-freine-les-voitures-electriques>

LEMANIC NEUROAGENDA

June 8

16:00, hybrid

CNP Seminars, EPFL

📍 HA-2-A, Campus Biotech

[Join remotely](#)

[Willem B. Verwey](#), University of Twente, The Netherlands

Title: Discrete keying sequences: Towards cognitive and neural models of sequential motor skill

June 10

12:15, onsite and online

B&C Seminar, COSYN, UNIGE

📍 H8-01F, Campus Biotech, Geneva

[To join: francoise.defferrard@unige.ch](mailto:francoise.defferrard@unige.ch)

[Xavier de Tiege](#), academic hospital of the Université libre de Bruxelles (UBL), Brussels, Belgium

Title: Development and clinical aspects of the cortical tracking of speech in noise

June 10

10:00, online

BMI Circuits and Behavior Seminar, EPFL

[Join](#)

[Josh Johansen](#), RIKEN Center for Brain Science, Japan

Title: Teaching the brain to fear

June 13

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Auditoire Reverdin B01.2526, CMU, Geneva

[Vassiliki Nikolettou](#), Département des Neurosciences fondamentales, University of Lausanne

Title: Roles and regulation of autophagy at synapses

June 13

15:00, onsite

Vision and Cognition Seminar, EPFL

📍 Room SV2510, EPFL

[G. Edwards & L. Teichmann](#), National Institutes of Health, USA

Title: Perception during visual disruptions

June 14

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 tba, CMU

[Ariel Gilad](#), Department of Medical Neurobiology, The Hebrew University of Jerusalem, Israël

Title: tba

June 14

12:15, onsite and online

B&C Seminar, COSYN, UNIGE

📍 H8-01F, Campus Biotech, Geneva

[To join: francoise.defferrard@unige.ch](mailto:francoise.defferrard@unige.ch)

[Anne-Marike Schiffer](#), senior editor, Nature Human Behavior

Title: Publishing in Nature Human Behaviour and other Nature portfolio journals

June 15

13:00, hybrid

CNP Seminars, EPFL

📍 HA-2-A, Campus Biotech

[Join](#)

[José Garrido](#), Catalan Institute of Nanoscience and Nanotechnology, Spain

Title: Graphene neural interfaces for neuroscience and medical applications

June 20

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Auditoire Reverdin B01.2526, CMU, Geneva

[Bernard Bettler](#), Department of Biomedicine, University of Basel, Switzerland

Title: tba

June 20

17:30, online

Colloque du Centre de la Mémoire, HUG

[Daniela Perani](#), Nuclear Medicine Unit San Raffaele Hospital, Division of Neuroscience San Raffaele Scientific Institute, Milan, Italy

[Join](#)

Title: Preclinical and prodromal PET molecular neuroimaging

June 22

16:00, online

CNP Seminars, EPFL

[Join](#)

[Evan Feinberg](#), University of California San Francisco, USA

Title: A modular logic of coordinated movements

June 23

12 :15, onsite

DNF, UNIL, Lausanne

📍 Petit Auditoire, UNIL, Lausanne

[Antoine Adamantidis](#), Inselspital, Department of Neurology
University of Bern

Title:tba

June 27

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Auditoire Reverdin B01.2526, CMU, Geneva

[Leopold Petreanu](#), Champalimaud Centre for the Unknown, Portugal

Title: The cortical circuits for hierarchical computation

June 28

12:15

B&C Seminar, Center of Neuroprosthetics, EPFL

To join: niels.lion@epfl.ch

[Andrea Serino](#), CHUV, Lausanne, Switzerland

Title: tba

World Wide Neuro

Online platform gathering webinars

All seminars hosted by [WorldWideNeuro here](#)

NEUROCENTER PUBLICATIONS

May 2022

Flexible adjustment of anticipations in human outcome processing.

Habiby Alaoui S, Adam-Darqué A, **Schnider A**

[Scientific reports - May 2022](#)

Type 2 diabetes mellitus and cognitive decline in older adults in Germany - results from a population-based cohort.

Xie K, Perna L, Schöttker B, **Kliegel M**, Brenner H, Mons U

[BMC geriatrics - May 2022](#)

Mapping Child and Adolescent Mental Health Services and the Interface During Transition to Adult Services in Six Swiss Cantons.

Kilicel D, De Crescenzo F, Barbe R, Edan A, Curtis L, Singh S, **Micali N**, **Aubry JM**, Mégevand J, **Eliez S**, Plessen KJ, Armando M

[Frontiers in psychiatry - 2022](#)

Transcriptional adaptation of olfactory sensory neurons to GPCR identity and activity.

Horgue LF, Assens A, Fodoulian L, Marconi L, Tuberosa J, Haider A, Boillat M, **Carleton A**, **Rodriguez I**

[Nature communications - May 2022](#)

Increasing brain gamma activity improves episodic memory and restores cholinergic dysfunction in Alzheimer's disease.

Benussi A, Cantoni V, Grassi M, Brechet L, **Michel CM**, Datta A, Thomas C, Gazzina S, Cotelli MS, Bianchi M, Premi E, Gadola Y, Cotelli M, Pengo M, Perrone F, Scolaro M, Archetti S, Solje E, Padovani A, Pascual-Leone A, Borroni B

[Annals of neurology - May 2022](#)

CSF tap test in idiopathic normal pressure hydrocephalus: still a necessary prognostic test?

Griffa A, Bommarito G, Assal F, Preti MG, Goldstein R, Armand S, Herrmann FR, **Van De Ville D**, Allali G

[Journal of neurology - May 2022](#)

Nonhuman Primates and Developmental Anesthesia Neurotoxicity Research: Pitfalls of Surrogate Models and Déformation Professionnelle.

Vutskits L, Soriano SG

[Anesthesia and analgesia - Jun 2022](#)

Shape Trumps Size: Image-Based Morphological Analysis Reveals That the 3D Shape Discriminates Intracranial Aneurysm Disease Status Better Than Aneurysm Size.

Juchler N, Schilling S, **Bijlenga P**, Kurtcuoglu V, Hirsch S

[Frontiers in neurology - 2022](#)

Association of Brain Atrophy With Disease Progression Independent of Relapse Activity in Patients With Relapsing Multiple Sclerosis.

Cagol A, Schaedelin S, Barakovic M, Benkert P, Todea RA, Rahmzadeh R, Galbusera R, Lu PJ, Weigel M, Melie-Garcia L, Ruberte E, Siebenborn N, Battaglini M, Radue EW, Yaldizli Ö, Oechtering J, Sinnecker T, Lorscheider J, Fischer-Barnicol B, Müller S, Achtnichts L, Vehoff J, Disanto G, Findling O, Chan A, Salmen A, Pot C, Bridel C, Zecca C, Derfuss T, Lieb JM, Remonda L, Wagner F, Vargas MI, Du Pasquier R, **Lalive PH**, Pravatà E, Weber J, Cattin PC, Gobbi C, Leppert D, Kappos L, Kuhle J, Granziera C

[JAMA neurology - May 2022](#)

EEG Microstates in Altered States of Consciousness.

Bréchet L, **Michel CM**

[Frontiers in psychology - 2022](#)

Dysfunctional temporal stages of eye-gaze perception in adults with ADHD: A high-density EEG study.

Mauriello C, Pham E, Kumar S, Piguët C, Deiber MP, Aubry JM, **Dayer A, Michel CM**, Perroud N, Berchio C

[Biological psychology - May 2022](#)

Suppression Head Impulse Test (SHIMP) versus Head Impulse Test (HIMP) When Diagnosing Bilateral Vestibulopathy.

van Dooren T, Starkov D, Lucieer F, Dobbels B, Janssen M, Guinand N, **Pérez Fornos A**, Kingma H, Van Rompaey V, van de Berg R

[Journal of clinical medicine - Apr 2022](#)

Author Correction: Enhancing reading skills through a video game mixing action mechanics and cognitive training.

Pasqualotto A, Altarelli I, De Angeli A, Menestrina Z, **Bavelier D**, Venuti P

[Nature human behaviour - May 2022](#)

Slow oscillations anticipate interictal epileptic discharges.

Sheybani L, **Vulliemoz S**

[Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology - Apr 2022](#)

Emotion schema effects on associative memory differ across emotion categories at the behavioural, physiological and neural level: Emotion schema effects on associative memory differs for disgust and fear.

Riegel M, Wypych M, Wierzbka M, Szczepanik M, Jednoróg K, **Vuilleumier P**, Marchewka A

[Neuropsychologia - May 2022](#)

One-year persistent symptoms and functional impairment in SARS-CoV-2 positive and negative individuals.

Nehme M, Braillard O, Chappuis F, Courvoisier DS, Kaiser L, Soccacal PM, Reny JL, Assal F, **Bondolfi G**, Tardin A, Graf C, Zekry D, Stringhini S, Spechbach H, Jacqueroz F, Salamun J, Lador F, Coen M, Agoritsas T, Benzakour L, Favale R, Genevay S, Lauper K, Meyer P, Poku NK, Landis BN, Baggio S, Grira M, Sandoval J, Ehram J, Regard S, Genecand C, Kopp G, Guerreiro I, Allali G, Vetter P, Guessous I

[Journal of internal medicine - Mar 2022](#)

Impact of cerebral blood flow and amyloid load on SUVR bias.

Heeman F, Yaqub M, Hendriks J, van Berckel BNM, Collij LE, Gray KR, Manber R, Wolz R, **Garibotto V**, Wimberley C, Ritchie C, Barkhof F, Gispert JD, Váñez García D, Lopes Alves I, Lammertsma AA,

[EJNMMI research - May 2022](#)

Assessment of gait quality and efficiency after undergoing a single-event multilevel surgery in children with cerebral palsy presenting an intoeing gait pattern.

Moisan G, Bonnefoy-Mazure A, De Coulon G, Tabard-Fougère A, **Armand S**, Turcot K

[Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery - May 2022](#)

Poststenotic Distal Caliber Reduction Predicts Very High-Grade Proximal Internal Carotid Artery Stenosis.

von Reutern GM, **Perren F**, Alpsoy I, Allendörfer J

[Ultraschall in der Medizin \(Stuttgart, Germany : 1980\) - May 2022](#)

Oscillatory Neural Signatures of Visual Perception Across Developmental Stages in Individuals With 22q11.2 Deletion Syndrome.

Mancini V, Rochas V, Seeber M, Grent-'t-Jong T, Rihs TA, Latrèche C, Uhlhaas PJ, **Michel CM, Eliez S**

[Biological psychiatry - Mar 2022](#)

Sound localization in patients with bilateral vestibulopathy.

Peetermans O, Dobbels B, Mertens G, Moyaert J, van de Berg R, Vanderveken O, Van de Heyning P, **Pérez Fornos A**, Guinand N, Lammers MJW, Van Rompaey V
[European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies \(EUFOS\) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery - May 2022](#)

Reactivity of posterior cortical electroencephalographic alpha rhythms during eyes opening in cognitively intact older adults and patients with dementia due to Alzheimer's and Lewy body diseases.
Babiloni C, Lorenzo I, Lizio R, Lopez S, Tucci F, Ferri R, Soricelli A, Nobili F, Arnaldi D, Famà F, Buttinelli C, Giubilei F, Cipollini V, Onofrij M, Stocchi F, Vacca L, Fuhr P, Gschwandtner U, Ransmayr G, Aarsland D, Parnetti L, Marizzoni M, D'Antonio F, De Lena C, Güntekin B, Yıldırım E, Hanoğlu L, Yener G, Gündüz DH, Taylor JP, Schumacher J, McKeith I, **Frisoni GB**, De Pandis MF, Bonanni L, Percio CD, Noce G
[Neurobiology of aging - Jul 2022](#)

Perceived public stigma and perceived public exposure by persons living with bipolar disorder: A qualitative study.
Favre S, **Aubry JM**, Richard-Lepouriel H
[The International journal of social psychiatry - May 2022](#)

Boundary conditions for observing cognitive load effects in visual working memory.
Ricker TJ, **Vergauwe E**
[Memory & cognition - May 2022](#)

Heterozygous variants in CTR9, which encodes a major component of the PAF1 complex, are associated with a neurodevelopmental disorder.
Meuwissen M, Verstraeten A, Ranza E, Iwaszkiewicz J, Bastiaansen M, Mateiu L, Nemegeer M, Meester JAN, Afenjar A, Amaral M, Ballhausen D, Barnett S, Barth M, Asselbergh B, Spaas K, Heeman B, Bassetti J, Blackburn P, **Schaer M**, Blanc X, Zoete V, Casas K, Courtin T, Doummar D, Guerry F, Keren B, Pappas J, Rabin R, Begtrup A, Shinawi M, Vulto-van Silfhout AT, Kleefstra T, Wagner M, Ziegler A, Schaefer E, Gerard B, De Bie CI, Holwerda SJB, Abbot MA, Antonarakis SE, Loeys B
[Genetics in medicine : official journal of the American College of Medical Genetics - May 2022](#)

Clinical application of CSF biomarkers for Alzheimer's disease: From rationale to ratios.
Bouwman FH, **Frisoni GB**, Johnson SC, Chen X, Engelborghs S, Ikeuchi T, Paquet C, Ritchie C, Bozeat S, Quevenoc FC, Teunissen C
[Alzheimer's & dementia \(Amsterdam, Netherlands\) - 2022](#)

The Biological Substrate of the Motoric Cognitive Risk Syndrome: A Pilot Study Using Amyloid-/Tau-PET and MR Imaging.
Bommarito G, **Garibotto V**, **Frisoni GB**, Ribaldi F, Stampacchia S, Assal F, Armand S, Allali G, Griffa A
[Journal of Alzheimer's disease : JAD - Apr 2022](#)

CD4c-MetItg α 4 T cell subset promotes murine neuroinflammation.
Benkhoucha M, Tran NL, Breville G, Senoner I, Bradfield PF, Papayannopoulou T, Merkler D, Korn T, **Lalive PH**
[Journal of neuroinflammation - Apr 2022](#)

Brain Metabolism and Amyloid Load in Individuals With Subjective Cognitive Decline or Pre-Mild Cognitive Impairment.
Tondo G, Boccalini C, Vanoli EG, Presotto L, Muscio C, Ciullo V, Banaj N, Piras F, Filippini G, Tiraboschi P, Tagliavini F, **Frisoni GB**, Cappa SF, Spalletta G, Perani D
[Neurology - Apr 2022](#)