

NEWS

By comparing the dreams of Western and non-Western populations, a study led by Lampros Perogamvros (UNIGE) and the University of Toronto shows that dreams can have a variable emotional



function. The non-Western groups produced more threatening, but also more cathartic and socially-oriented dreams than the Western groups. These results, to be read in *Scientific Reports*, show how strong are the links between the socio-cultural environment and the function of dreams.

<https://www.unige.ch/medias/en/2023/la-fonction-emotionnelle-du-reve-nest-pas-partout-la-meme>

AWARD



Christian Lüscher has been awarded with the Peter Seeburg Price in integrative neuroscience. Awarded by the Society for Neuroscience, this distinction recognizes exceptional advances in the understanding of executive brain functions and cognitive processes. Using optogenetic self-stimulation of dopaminergic neurons, his work tends to identify synaptic changes leading to addictions and compulsive behaviors.

<https://www.unige.ch/medecine/newsletter/trajecitoires/distinctions/prix-peter-seeburg-en-neurosciences-integratives-pour-christian-luscher>

FUNDING



Congratulations to Céline Dürst who is joining the Neurocenter as the leader of a new affiliated research group. Céline Dürst has been granted a SNSF Ambizione funding. Her research group will be hosted by Anthony Holtmaat and will investigate synaptic input integration and dendritic processes of cortical neurons underlying sensory perception. The group has an open PhD position.

<https://neurocenter-unige.ch/open-phd-position/>

AGING



On World Mental Health Day, October 10th, a radio program was organized by the Synapsy Center, FCBG (Foundation Campus Biotech) and LuxRadio. The program highlighted the most innovative cutting-edge technologies and how psychiatric clinicians and basic neuroscience researchers are forging links to enrich our knowledge of the brain.

<https://www.unige.ch/medecine/synapsycentre/fr/actus/synapsy-en-podcast-sur-luxradio>

LEMANIC NEUROAGENDA

November 6

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room B02.2222, CMU, Geneva

[More](#)

Micah Murray, Diagnostic Imaging and interventional radiology (RAD),
University of Lausanne, Switzerland

*Title: Making Sense of Our Senses: Multisensory Processes across the
Human Lifespan*

November 7

12:15, onsite and online

B&C Seminar, CISA, UNIGE

📍 Auditorium, Campus Biotech, Geneva

[More](#)

Toby Wise, Department of Neuroimaging, King's College London, UK

Title: Algorithms and anxiety

November 8

16:00, onsite and online

BMI Seminar, EPFL

📍 SV1717, EPFL, Lausanne

[Join](#)

Anne Churchland, University of California, Los Angeles, USA

Title: Movements and engagement during decision-making

November 9

12 :15, online

DNF, UNIL

📍 Petit Auditoire, UNIL

[More](#)

Sami El-Boustani, Department of basic neuroscience, University of
Geneva, Switzerland

Title: Cortical circuits for goal-directed cross-modal transfer learning

November 13

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room B02.2226A, CMU, Geneva

[More](#)

Andreas Olsson, Department of clinical neuroscience, Karolinska
Institutet, Sweden

Title: tba

November 13

15:15, onsite and online

Get to know your neighbor, CIS, EPFL

📍 Room INF 328, Lausanne

[Join](#)

Masha Shoaran, Neuro-X, EPFL, Switzerland

*Title: The future of intelligent neural interfaces: circuit and AI-driver
innovations*

November 14

12:15, onsite and online

B&C Seminar, COSYN, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[More](#)

Benedetta Franceschiello, School of Engineering, HES-SO Valais-Wallis,
Switzerland

*Title: Hi-Fi (f)MRI: a high-resolution, fast-sampling MRI framework in
humans for eye and brain imaging at 3T on humans*

November 16

17:00, onsite and online

NeuCli Talks, HUG

📍 Room 7A-2-744/745, Prevost, HUG

[Join](#)

Maura MALPETTI, Centre for Frontotemporal Dementia and Related
disorders, University of Cambridge, UK

*Title: A multimodal approach to frontotemporal dementia and related
conditions*

November 20

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room B02.2526A, CMU, Geneva

[More](#)

Adrian Wanner, Paul Scherre Institute, Switzerland

Title: tba

November 21

12.15, onsite and online

B&C Seminar, COSYN, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[More](#)

[Thérèse Collins](#), Integrative Neuroscience and Cognition Center,
Université Paris Cité, CNRS, France

Title: Serial dependence in brain and behavior

November 23

12 :15, online

DNF, UNIL

📍 Petit Auditoire, UNIL

[More](#)

[Flavio Donato](#), Biozentrum Basel, University of Basel, Switzerland

Title: tba

November 23

17:00, onsite and online

NeuCli Talks, HUG

📍 Room 7A-2-744/745, Prevost, HUG

[Join](#)

[Marc Gallay](#), SoniModul, University of Zurich Solothurn, Switzerland

Title: Traitement MRgFUS pour la maladie de Parkinson et traitement MRgFUS bilatéraux

November 27

11:00, onsite

Dept of Basic Neuroscience, UNIGE

📍 Room C07.1732A, CMU, Geneva

[More](#)

Intradepartment Seminar (speaker tba)

Title: tba

November 28

12:15, onsite and online

B&C Seminar, CISA, UNIGE

📍 H8-01D, Campus Biotech, Geneva

[More](#)

[Kim Doell](#), Faculty of Psychology, University of Vienna

Title: Climate interventions must be tailored to actions and audiences: A 60-country global megastudy

November 29

16:00, onsite and online

Neuro-X Seminar, EPFL

📍 H8-01D, Campus Biotech, Geneva

[More](#)

[Emilie Macé](#), University Medical Center, University of Göttingen

Title: Imaging whole-brain activity with functional ultrasound imaging to understand behavior

World Wide Neuro

Online platform gathering webinars

[All seminars hosted by WorldWideNeuro here](#)

NEUROCENTER PUBLICATIONS

October 2023

Contrast enhanced CT on PET/CT imaging in clinical routine: an international survey.

Anunziata S, Testart N, Auf der Springe K, Cuzzocrea M, Nicod Lalonde M, Schaefer N, Prior JO, Garibotto V, Treglia G

[Frontiers in medicine - 2023](#)

Yield of non-invasive imaging in MRI-negative focal epilepsy.

Czarnetzki C, Spinelli L, Huppertz HJ, Schaller K, Momjian S, Lobrinus J, Vargas MI, Garibotto V, Vulliemoz S, Seeck M

[Journal of neurology - Nov 2023](#)

Harmonization of brain PET images in multi-center PET studies using Hoffman phantom scan.

Shekari M, Verwer EE, Yaqub M, Daamen M, Buckley C, Frisoni GB, Visser PJ, Farrar G, Barkhof F, Gispert JD, Boellaard R,

[EJNMMI physics - Oct 2023](#)

Paraneoplastic Autoimmune Limbic Encephalitis Associated with an Atypical Carcinoid Tumor of the Lung: A Case Report.

Marull Paretas E, De Vito C, Catalano-Chiuve S, Vargas MI, Assal F, Lalive P, Bridel C

[Case reports in neurology - 2023](#)

Impact of simulated reduced injected dose on the assessment of amyloid PET scans.

Young P, Heeman F, Axelsson J, Collij LE, Hitzel A, Sanaat A, Niñerola-Baizan A, Perissinotti A, Lubberink M, Frisoni GB, Zaidi H, Barkhof F, Farrar G, Baker S, Gispert JD, Garibotto V, Rieckmann A, Schöll M,

[European journal of nuclear medicine and molecular imaging - Oct 2023](#)

Antiseizure medication ≤ 48 hours portends better prognosis in new-onset epilepsy.

Ménétré E, De Stefano P, Megevand P, Sarasin FP, Vargas MI, Kleinschmidt A, Vulliemoz S, Picard F, Seeck M

[European journal of neurology - Oct 2023](#)

Getting closer: compassion training increases feelings of closeness toward a disliked person.

Cernadas Curotto P, Halperin E, Sander D, Klimecki O

[Scientific reports - Oct 2023](#)

Artificial Intelligence-Driven Single-Shot PET Image Artifact Detection and Disentanglement: Toward Routine Clinical Image Quality Assurance.

Shiri I, Salimi Y, Hervier E, Pezzoni A, Sanaat A, Mostafaei S, Rahmim A, Mainta I, Zaidi H

[Clinical nuclear medicine - Oct 2023](#)

Opposite effects of emotion and event segmentation on temporal order memory and object-context binding.

Riegel M, Granja D, Amer T, Vuilleumier P, Rimmele U

[Cognition & emotion - Oct 2023](#)

Relationship Between Health Literacy and Unhealthy Lifestyle Behaviours in Older Adults Living in Switzerland: Does Social Connectedness Matter?

Wieczorek M, Meier C, Kliegel M, Maurer J

[International journal of public health - 2023](#)

Implantation and reimplantation of intracranial EEG electrodes in patients considering epilepsy surgery.

Eelbode C, Spinelli L, Corniola M, Momjian S, Seeck M, Schaller K, Mégevand P

[Epilepsia open - Oct 2023](#)

Specificity of Quantitative Functional Brain Mapping with Arterial Spin-Labeling for Preoperative Assessment.

Iannotti GR, Nadin I, Ivanova V, Tourdot Q, Lascano AM, Momjian S, Schaller KL, Lovblad KO, Grouiller F
[AJNR. American journal of neuroradiology - Oct 2023](#)

Acute stress impacts reaction times in older but not in young adults in a flanker task.
Mikneviciute G, Allaert J, Pulpulos MM, De Raedt R, Kliegel M, Ballhausen N
[Scientific reports - Oct 2023](#)

Multisensory stimuli and pain perception in the newborn.
Hüppi PS, Filippa M
[Pediatric research - Oct 2023](#)

Accessibility of working memory representations in the focus of attention: Heightened or reduced?
Hautekiet C, Langerock N, Vergauwe E
[Journal of experimental psychology. Learning, memory, and cognition - Oct 2023](#)

Diminished baseline autonomic outflow in semantic dementia relates to left-lateralized insula atrophy.
Hua AY, Roy ARK, Kosik EL, Morris NA, Chow TE, Lukic S, Montembeault M, Borghesani V, Younes K, Kramer JH, Seeley WW, Perry DC, Miller ZA, Rosen HJ, Miller BL, Rankin KP, Gorno-Tempini ML, Sturm VE
[NeuroImage. Clinical - Oct 2023](#)

Risk Factors for Dehiscence of Operative Incisions in Newborns after Laparotomy.
Miholjic TBS, Baud O, Iranmanesh P, Wildhaber BE
[European journal of pediatric surgery : official journal of Austrian Association of Pediatric Surgery ... \[et al\] = Zeitschrift fur Kinderchirurgie - Oct 2023](#)

Innovations in Organ-Specific PET Instrumentation: Quo Vadis.
Zaidi H, Surti S, Alavi A
[PET clinics - Oct 2023](#)

The role of mentalizing in the relationship between schizotypal personality traits and state signs of psychosis risk captured by cognitive and perceptual basic symptoms.
Salaminios G, Sprüngli-Toffel E, Michel C, Morosan L, Eliez S, Armando M, Fonseca-Pedrero E, Derome M, Schultze-Lutter F, Debbané M
[Frontiers in psychiatry - 2023](#)

The interdural hematoma: A subtype of convexity subdural/dural hematoma with specific radioanatomical characteristics.
Kiss-Bodolay D, Papadimitriou K, Hedjoudje A, Duc C, Vargas MI, Kiss JZ, Schaller K, Fournier JY
[Surgical neurology international - 2023](#)

How embodied is cognition? fMRI and behavioral evidence for common neural resources underlying motor planning and mental rotation of bodily stimuli.
Doganci N, Iannotti GR, Coll SY, Ptak R
[Cerebral cortex \(New York, N.Y. : 1991\) - Oct 2023](#)

The effect of loss incentives on prospective memory in healthy older adults: study protocol of a randomized controlled trial using ultra-high field fMRI.
Menéndez-Granda M, Schmidt N, Orth M, Klink K, Horn S, Kliegel M, Peter J
[BMC psychiatry - Oct 2023](#)

Multivariate GWAS of Alzheimer's disease CSF biomarker profiles implies GRIN2D in synaptic functioning.
Neumann A, Ohlei O, Küçükali F, Bos IJ, Timsina J, Vos S, Prokopenko D, Tijms BM, Andreasson U, Blennow K, Vandenberghe R, Scheltens P, Teunissen CE, Engelborghs S, Frisoni GB, Blin O, Richardson JC, Bordet R, Lleó A, Alcolea D, Popp J, Marsh TW, Gorijsala P, Clark C, Peyratout G, Martinez-Lage P, Tainta M, Dobson RJB, Legido-Quigley C, Van Broeckhoven C, Tanzi RE, Ten Kate M, Lill CM, Barkhof F, Cruchaga C, Lovestone S, Streffer J, Zetterberg H, Visser PJ, Sleegers K, Bertram L,
[Genome medicine - Oct 2023](#)

Evidence for an emotional adaptive function of dreams: a cross-cultural study.

Samson DR, Clerget A, Abbas N, Senese J, Sarma MS, Lew-Levy S, Mabulla IA, Mabulla AZP, Miegakanda V, Borghese F, Henckaerts P, Schwartz S, Sterpenich V, Gettler LT, Boyette A, Crittenden AN, Perogamvros L

[Scientific reports - Oct 2023](#)

Utility of a simplified [¹⁸F] sodium fluoride PET imaging method to quantify bone metabolic flux for a wide range of clinical applications.

Puri T, Frost ML, Moore AEB, Choudhury A, Vinjamuri S, Mahajan A, Fynbo C, Vrist M, Theil J, Kairemo K, Wong J, Zaidi H, Revheim ME, Werner TJ, Alavi A, Cook GJR, Blake GM

[Frontiers in endocrinology - 2023](#)

Resting-State EEG Microstates and Power Spectrum in Borderline Personality Disorder: A High-Density EEG Study.

Deiber MP, Piguet C, Berchio C, Michel CM, Perroud N, Ros T

[Brain topography - Sep 2023](#)