

Wednesday, 24. May 2023

Ceremony

08:30 - 09:00

Auditorium Lumière

C01 - Opening Ceremony

Poster Session

08:30 - 17:30

Forums

PS01 - Posters Presentations**1: Neurodevelopment**

P1.001

EARLY TRANSCRIPTIONAL MODIFICATIONS OF THE DEVELOPING BRAIN IN HUNTINGTON DISEASER. Kacher¹, M. Coutelier¹, J. Six¹, R. Hilab¹, J. Guegan², B. Gyorgy², A. Durr¹, S. Humbert³¹Sorbonne universite, Paris Brain Institute, UMR 7225, INSERM U 1127, Paris, France, ²Sorbonne universite, Paris Brain Institute's Data and Analysis Core, Paris, France, ³Universite Grenoble Alpes, Grenoble Institut Neurosciences, INSERM U1216, Grenoble, France

Poster Presenter: Radhia Kacher, FR

P1.002

INVESTIGATION OF THE PATHOPHYSIOLOGICAL MECHANISMS LEADING TO MICROCEPHALY IN A RTTN-MUTATED PATIENTJ. Guquin¹, L. Malaisé¹, L. Boutaud², E. Bertiaux³, A. Besson¹, A. Devillaz¹, W. Ouchetto¹, P. Ederly^{1,4}, E. Zuazo Zamalloa⁵, S. Thomas², V. Hamel³, A. Putoux^{1,4}, S. Mazoyer¹, M. Delous¹¹U1028 Inserm/UMR5292 CNRS/University of Lyon 1, Lyon Neurosciences Research Center, Bron, France, ²Inserm U1163, University Paris Cité, Embryology and genetic of malformations, Imagine Institute, Paris, France, ³University of Geneva, Cell biology department, Sciences faculty, Geneva, Switzerland, ⁴Hospices Civils de Lyon, Clinical genetic unit and South-East developmental abnormalities reference center, Genetic department, Bron, France, ⁵Zumarraga hospital, Pediatric service, Gipuzkoa, Spain

Poster Presenter: Justine Guquin, FR

P1.003

HUNTINGTON'S DISEASE AND CORTICAL DEVELOPMENTM. Degennaro¹, R. Kacher¹, M. Coutelier¹, J. Six¹, S. Humbert², A. Durr¹¹Sorbonne Université, Institut du Cerveau, Paris, France, ²Université de Grenoble, Grenoble Institut des Neurosciences, Grenoble, France

Poster Presenter: Marine Degennaro, FR

P1.004

ROLE OF THE PROTOCADHERIN FAT1 IN CORTICAL DEVELOPMENT AND RELATED DISORDERSL. Corbieres^{1,2}, C. Cardoso²¹Aix Marseille University, Marseille, France, ²INSERM, Inmed, Marseille, France

Poster Presenter: Lea Corbieres, FR

P1.005

IN UTERO EXPOSURE TO AIR POLLUTION AFFECTS SOCIAL BEHAVIOR, BRAIN TRANSCRIPTOME AND NEUROINFLAMMATION IN MOUSE

D. CHATER¹, M. DEBORD¹, A. NALLATHAMBI¹, A. ZEBIAN¹, V. LATAPIE¹, E. AL MARJ², A. BERGE², M. CAZANAU², N. DESVIGNES³, C. SICARD³, S. LANONE⁴, P. COLL², S. GRANON⁵, S. JAMAIN¹

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Poster Presenter: Dounia Chater, FR

P1.006

BALANCED LARGE-SCALE COUPLING BETWEEN THE DEFAULT MODE NETWORK AND ATTENTIONAL NETWORKS ASSOCIATE WITH CHILD INTELLIGENCE

D. Lombardo¹, T. Kaufmann¹

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Poster Presenter: Diego Lombardo, DE

P1.007

STRESS IN CRITICAL PERIOD OF EARLY LIFE INFLUENCES GLUTAMATE EXCITATORY NEUROTRANSMISSION

A. Gaetano^{1,2}, F. Nicoletti^{1,3}, S. Scaccianoce¹, S. Morley-Fletcher², S. Maccari²

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Poster Presenter: Alessandra Gaetano, IT

P1.008

PROPRIOCEPTIVE AND TACTILE LOCALIZATION DEFICITS IN CHILDREN WITH DEVELOPMENTAL COORDINATION DISORDER

M. Naffrechoux^{1,2}, E. Koun², R. Salemm², F. Volland², A. Farnè², D. Pelisson², A.C. Roy¹

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Poster Presenter: Marion Naffrechoux, FR

P1.009

A FAST STRATEGY OR A SLOW STRATEGY MAY BE ADOPTED BY INDIVIDUALS TO PERFORM TWO-CHOICE DECISION MAKING TASKS: THE INFLUENCE OF AGE AND EXPERIMENTAL CONTEXT

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Poster Presenter: Leslie Tricoche, BE

P1.010

ALTERATIONS OF CORTICAL CIRCUITS IN MICE

FOLLOWING PREMATURE BRAIN INJURIES

S. Ellouze^{1,2}, L. Foucault², A. Amara³, G. Meyer-Dilhet¹, J. Courchet¹, O. Raineteau²

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Poster Presenter: Salma Ellouze, FR

P1.011

FUNCTIONAL CHARACTERIZATION OF DPYSL5 GENE VARIANTS INVOLVED IN NEURODEVELOPMENTAL DISORDER WITH BRAIN MALFORMATION.

F. Desprez¹, D. Ung¹, S. Marouillat¹, R. Besançon², J. Honnorat², F. Laumonnier^{1,3}

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Poster Presenter: Florence Desprez, FR

P1.012

RIBOSOMAL DEREGULATION IN EML1 MUTANT MICE, A MODEL OF SUBCORTICAL HETEROTOPIA

V. Viola^{1,2,3}, C. Cifuentes-Diaz^{1,2,3}, S. Roig-Puiggros⁴, B. Nur Yiğit⁵, S. Lebaron⁶, E. Klingler⁴, D. Jabaudon^{4,7}, N. Özlü^{5,8}, C. Plisson-Chastang⁶, F. Francis^{1,2,3}

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Poster Presenter: Valeria Viola, FR

P1.013

NORBIN IS REQUIRED FOR THE TRANSITION BETWEEN DIRECT TO INDIRECT NEUROGENESIS IN THE DEVELOPING MOUSE CORTEX.

F. Moret¹, S. Calvet¹, F. Reynaud¹, E. Theouille¹, K. Thoinet¹, M. Carpentier¹, M. Flajolet², V. Castellani¹

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Poster Presenter: Frederic Moret, FR

P1.014

INFERRING LIGAND-RECEPTOR INTERACTIONS BETWEEN GABAERGIC AND GLUTAMATERGIC CELLS DURING SOMATOSENSORY CORTEX DEVELOPMENT

R. Mathieu¹, L. Corbières¹, A. Govindan¹, A. Represa¹, C. Cardoso¹, L. Telley², A. de Chevigny¹

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Poster Presenter: Antoine de Chevigny, FR

P1.015

ABERRANT SURVIVAL OF HIPPOCAMPAL CAJAL-RETZIUS CELLS LEADS TO MEMORY DEFICITS, GAMMA

RHYTHMOPATHIES AND SUSCEPTIBILITY TO SEIZURES IN ADULT MICE

P. Azzam^{1,2}, *M. Riva*^{1,2}, *S. Moriceau*³, *A. Morabito*⁴, *E. Dossi*⁵, *C. Sanchez-Bellot*⁶, *A. Navas-Olive*⁶, *B. Gal*^{6,7}, *F. Dori*^{1,2}, *E. Cid*⁶, *F. Ledonne*², *S. David*⁸, *F. Trovero*⁸, *M. Bartolomucci*⁹, *E. Coppola*², *N. Rebola*⁴, *A. Depaulis*⁹, *N. Rouach*¹⁰, *L. Menendez de la Prida*⁶, *F. Oury*¹¹, *A. Pierani*^{2,1,12}

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Poster Presenter: Patrick Azzam, FR

P1.016

THE TEMPORAL CONNECTIVITY OF MOSSY FIBER AND CA3 PYRAMIDAL NEURONS PARTICIPATING IN MEMORY IS CONTROLLED BY THE PLANAR CELL POLARITY PROTEIN VANGL2

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Poster Presenter: Maité Moreau, FR

P1.017

IMPACT OF EARLY DISRUPTION OF PARVALBUMIN INTERNEURON-OPC INTERACTIONS ON PREFRONTAL-DEPENDENT COGNITIVE PROCESSES

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Poster Presenter: Fabrice Plaisier, FR

P1.018

GESTATIONAL VITAMIN A DEFICIENCY: IMPACT ON STRIATAL DOPAMINE TRANSMISSION AND ASSOCIATED-MOTIVATIONAL PROCESSES

*P. Couty*¹, *S. Alfos*¹, *J.-C. Helbling*¹, *P. Borel*², *C. Halimi*², *C. Bosch-Bouju*¹, *P. Trifilieff*¹, *K. Touyarot*¹

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Poster Presenter: Pauline Couty, FR

- P1.019 **OPPOSITE ROLES OF CELL-TYPE SPECIFIC GLYPICANS DURING CORTICAL DEVELOPMENT**
S. Douceau¹, H. Kavaliova¹, T. Deutsch Guerrero¹, J. Ferent¹
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Poster Presenter: Sara Douceau, FR
- P1.020 **RESPIRATORY RESPONSE TO AN ODOR THROUGHOUT DEVELOPMENT IN RATS**
A.-M. Mouly¹, E. Courtiol¹, N. Buonviso¹, J. Boulanger-Bertolus¹
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Poster Presenter: Anne-Marie Mouly, FR
- P1.021 **DM1 TRANSGENIC MICE EXHIBIT ABNORMAL NEUROTRANSMITTER HOMEOSTASIS AND SYNAPTIC PLASTICITY IN ASSOCIATION WITH RNA MIS-SPLICING IN THE HIPPOCAMPUS.**
B. Potier¹, L. Lallemand², S. Parrot³, A. Huguet-Lachon², G. Gourdon², P. Dutar¹, M. Gomes-Pereira²
¹Paris-Saclay University, CNRS, ENS Paris-Saclay, CentraleSupélec, LuMIn laboratory, UMR9024, Gif-sur-Yvette, France, ²Sorbonne University, Inserm, Myology Institute, Center of Research on Myology, Paris, France, ³Claude Bernard Lyon 1 University, Inserm U1028, CNRS UMR5292, Lyon Neuroscience Research Center, Bron, France
Poster Presenter: Brigitte Potier, FR
- P1.022 **DEVELOPMENTAL CELL DEATH OF LINEAGE-RELATED INTERNEURONS AND OLIGODENDROGLIA IMPACTS PREFRONTAL CORTEX FUNCTION**
H. Khelifaoui¹, C. Ibaceta-Gonzalez¹, C. Poilbout¹, M.-C. Angulo^{1,2}
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Poster Presenter: Hasni Khelifaoui, FR
- P1.023 **APPLICATION OF A RIGOROUS METHODOLOGY TO IDENTIFY WHITE MATTER TRACTS IN CHILDREN WITH CEREBRAL PALSY**
O. Martinie^{1,2}, P. Karan³, C. Mercier^{2,1}, M. Descoteaux³, M.T. Robert^{1,2}
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Poster Presenter: Ophelie Martinie, CA
- P1.024 **A BDNF/LKB1/NUAK1 SIGNALING PATHWAY REGULATES THE DEVELOPMENT AND FUNCTION OF CORTICAL CIRCUITS IN THE MOUSE.**
G. Meyer-Dilhet¹, A. Garcia¹, A. Prinsaud¹, L. Monteiro¹, E. Goillot¹, J. Courchet¹
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Poster Presenter: Géraldine Meyer-Dilhet, FR
- P1.025 **FUNCTIONAL CONSEQUENCES OF IDH1 AND CIC MUTATIONS ON OLIGODENDROGLIOMA CELLS OF ORIGIN**

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Poster Presenter: Nina Pottier, FR

P1.026

EXPOSURE TO LOW-DOSES OF NANOPLASTICS INDUCES ALTERATION OF BEHAVIOR AND BRAIN PROTEIN EXPRESSION IN MICE

A. Vignon¹, U. Alenda¹, G. Oliva¹, G. Dudon¹, A. Kunene¹, A. Picot¹, C. Cazevielle¹, D. Greuet¹, S. Lehmann¹, J. Torrent¹, J. Le Merrer², J. Becker², V. Perrier¹

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Poster Presenter: Anaïs Vignon, FR

2: Neuro-excitability, synapse and glia

P1.031

THE RIBOSOMAL-ASSOCIATED PROTEIN RACK1 REPRESSES KIR4.1 TRANSLATION IN ASTROCYTES AND INFLUENCES NEURONAL ACTIVITY

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Poster Presenter: Marc Oudart, FR

P1.032

OLIGOMERIC-AB MEDIATES REPLICATION AND MATURATION OF TAU PATHOLOGY IN PRIMATES, BUT NOT ITS INITIAL SPREADING

M. DARRICAU¹, C. Dou², R. Kinet¹, M. Bourdenx³, Z. Tao², A. Bedel⁴, S. Claverol⁵, T. Katsinelos⁶, W.A. McEwan⁶, G. Porras⁷, Z. Ling², G. Ran², B. Dehay¹, C. Qin², E. Bezard^{1,7}, V. Planche^{1,8}

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Poster Presenter: Morgane Darricau, FR

P1.033

A ROLE FOR ASTROCYTES IN THE VISUAL CORTEX CRITICAL PERIOD

R. Breton^{1,2,3}, J. Ribot¹, C.-F. Calvo¹, J. Moulard^{1,4}, P. Ezan¹, J. Zapata¹, K. Samama¹, M. Moreau⁵, A.-P. Bemelmans⁶, V. Sabatet⁷, F. Dingli⁷, D. Loew⁷, C. Milleret¹, P. Billuart⁵, G. Dallérac¹, N. Rouach¹

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Poster Presenter: Rachel Breton, FR

P1.034

PRESYNAPTIC PLASTICITY IN A MEMORY CIRCUIT: PHYSIOLOGICAL AND PATHOPHYSIOLOGICAL ROLE OF THE AMYLOID PRECURSOR PROTEIN (APP)

A. Moreira-de-Sá¹, A. Erhardt¹, Š. Jelínková¹, E. Herzog¹, G. Barthet¹, C. Mulle¹

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Poster Presenter: Ana Moreira-de-Sá, FR

P1.035

CHANGES IN CORTICAL EXCITATORY AND INHIBITORY SYNAPTIC TRANSMISSION IN A CUPRIZONE-INDUCED DEMYELINATION MOUSE MODEL

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Poster Presenter: Eduardo Javier Fernandez-Perez, FR

P1.036

PHOTOSWITCHABLE ALLOSTERIC MODULATORS ENABLE A PRECISE TEMPORAL CONTROL OF MGLU5 RECEPTOR ACTIVITY

L. Truong¹, A. Dumazer¹, R. Borrás-Tuduri², F. Malhaire¹, G. Lebon¹, A. Llebaria², C. Goudet¹

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Poster Presenter: Iona Truong, FR

P1.037

IPSC-DERIVED HUMAN MICROGLIA-LIKE CELLS IN NEURAL COCULTURE TO STUDY MICROGLIA HETEROGENEITY IN ALZHEIMER'S DISEASE

C. Clua Provost^{1,2}, L. Auboyer³, C. Monzo¹, P. Thanawat², H. Hirbec², C. Crozet¹

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Poster Presenter: Coralie Clua Provost, FR

P1.038

CYTOSKELETON ABNORMALITIES TRIGGERED BY TOXIC CUG RNA REPEATS IN DM1 ASTROCYTES

P. Magneron¹, L. Lallemand¹, L. Correa¹, G. Gourdon¹, M. Gomes-Pereira¹

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Poster Presenter: Paul Magneron, FR

P1.039

PHYSIOLOGICAL SYNAPTIC ACTIVITY AND RECOGNITION MEMORY REQUIRE ASTROGLIAL GLUTAMINE

D. Mozheiko^{1,2}, G. Cheung¹, D. Bataveljic¹, J. Visser^{1,2}, N. Kumar³, J. Moulard^{1,2}, G. Dallérac¹, A. Rollenhagen^{4,5}, P. Ezan¹, C. Mongin³, O. Chever¹, A.-P. Bemelmans⁶, J. Lübke^{4,5,7}, I. Leray³, N. Rouach¹

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Poster Presenter: Daria Mozheiko, FR

P1.040

AUTOCRINE AND PARACRINE ACTION OF SOMATOSTATIN RELEASED BY O-LM INTERNEURONS ON THE CA1 FEEDBACK CIRCUIT

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Poster Presenter: Maria Laura Musella, FR

P1.041

MEDIAL PREFRONTAL AND POSTERIOR PARIETAL CORTICES ARE DIFFERENTIALLY MODULATED BY HIPPOCAMPAL SHARP WAVE-RIPPLES DURING THE ACQUISITION OF A SEMANTIC-LIKE RULE.

C. Castelli¹, E. Lanore¹, M. Lepleux¹, L. Velez¹, P. Molle¹, A. Lampin-Saint-Amaux¹, Y. Humeau¹

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Poster Presenter: Frédéric Lanore, FR

P1.042

STEPWISE MOLECULAR SPECIFICATION OF EXCITATORY SYNAPSE DIVERSITY ON A TARGET NEURON

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Poster Presenter: Séverine M. Sigoillot*, FR

P1.043 **DEFECTS IN MOUSE CORTICAL GLUTAMATE UPTAKE CAN BE UNVEILED IN VIVO BY A TWO-IN-ONE QUANTITATIVE MICRODIALYSIS**

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Poster Presenter: Sandrine Parrot, FR

P1.044 **CHARACTERIZATION OF APP^{NL-F} MICE, A RELEVANT MODEL TO STUDY ALZHEIMER'S DISEASE EARLY STAGES**

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Poster Presenter: Matthieu Prieur, FR

P1.045 **ISOFORM-SPECIFIC REGULATION OF KCC2 MEMBRANE EXPRESSION AND FUNCTION IN HIPPOCAMPAL NEURONS.**

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Poster Presenter: Carla Pagan, FR

P1.046 **DO STRIATAL CHOLINERGIC INTERNEURONS EXHIBIT MOLECULAR AND FUNCTIONAL DIVERSITY?**

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Poster Presenter: Marie Bourzeix, FR

P1.047 **UNCOVERING THE EFFECT OF THE APOE4 RISK FACTOR ON CELL-TYPE SPECIFIC EPIGENOMIC SIGNATURES IN DEMENTIA WITH LEWY BODIES (DLB)**

*L. Grgurina*¹, *I. Paiva*¹, *B. Cosquer*¹, *S. Le Gras*², *A. Isik*¹, *T. Beliane*³, *G. Ternier*⁴, *J.-C. Cassel*¹, *K. Merienne*¹, *P. Giacobini*⁴, *R. Melki*³, *A.-L. Boutillier*¹

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Poster Presenter: Iris Grgurina, FR

P1.048 **PHAGOCYTOSIS AND SYNAPTIC PRUNING ARE ENHANCED IN MECHANICALLY ACTIVATED MICROGLIAL CELLS**

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Poster Presenter: Anthony Procès, BE

P1.049 **HOW THE LACK OF FMRP IMPACTS THE PRESYNAPTIC MECHANISMS AT THE DG-CA3 SYNAPSES IN THE HIPPOCAMPUS?**

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Poster Presenter: Simon Lecomte, FR

P1.050 **PROTECTIVE ROLE OF MICROGLIA AND T LYMPHOCYTES IN A MOUSE MODEL OF TEMPORAL LOBE EPILEPSY**

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Poster Presenter: Maria Paula Moreno-Montano, FR

P1.051 **ACTIVATION MECHANISMS OF THE ORPHAN RECEPTOR GPR158**

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Poster Presenter: Thibaut Laboute, FR

3: Neurological and psychiatric diseases, experimental therapeutics

P1.056 **SEX-DEPENDENT BEHAVIORAL DEFICITS AND NEUROPATHOLOGY IN GENETIC AND ENVIRONMENTAL MOUSE MODELS OF AUTISM SPECTRUM DISORDER**

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Poster Presenter: Mohamed Jaber, FR

P1.057 **EXPLORING STRIATUM EXTRACELLULAR SPACE IN HEALTH AND DISEASE**

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Poster Presenter: Juan Estaún-Panzano, FR

P1.058 **SINGLE-CELLS AND SINGLE-NUCLEI TRANSCRIPTOMIC ANALYSES OF THE HYPOTHALAMUS IN LPS-INDUCED NEUROINFLAMMATORY CONDITION**

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Poster Presenter: Silvia Melzi, FR

- P1.059 **ALTERED PERCEPTUAL DECISION-MAKING AND NEOCORTICAL ACTIVITY IN THE FMR1^{-fX} MOUSE MODEL OF AUTISM USING A TRANSLATIONAL TASK**
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Poster Presenter: Ourania Semelidou, FR
- P1.060 **SEX-DEPENDENT ALTERATIONS OF SYNAPTIC PLASTICITY IN THE INSULAR-ACCUMBENS PATHWAY INDUCED BY STRESS**
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Poster Presenter: Manon Gauthier, FR
- P1.061 **ROLE OF THE MENINGEAL LYMPHATIC VASCULATURE IN A MOUSE MODEL OF DURAL VENOUS SINUS STENOSES**
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Poster Presenter: Marie-Renee El Kamouh, FR
- P1.062 **CAPTURING AND PROFILING COCAINE-RECRUITED ARC NEURONAL ENSEMBLES ENCODING DRUG-CONTEXT ASSOCIATIONS IN THE NUCLEUS ACCUMBENS.**
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Poster Presenter: Marine Salery, US
- P1.063 **SEXUAL DIMORPHISM OF THE INSULAR CORTEX IN PERSISTENT ALCOHOL DRINKING DESPITE AVERSION IN MICE**
C. Fornari¹, C. Guerrero Márquez¹, P. Namburi², C. Nicolas¹, A. Beyeler¹
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Poster Presenter: Claudia Fornari, FR
- P1.064 **EVIDENCE FOR A ROLE OF THE LOCAL MPFC MOLECULAR CLOCK IN THE DEVELOPMENT AND TREATMENT OF DEPRESSION**
W. Gardner^{1,2}, D. Sarrazin¹, C. Marchese¹, M. Balzinger¹, C. Ramanathan³, M. Veleanu⁴, S. Vestring⁴, C. Normann⁴, M. Barrot¹, E. Challet¹, P. Bourgin^{1,5}, T. Serchov^{1,2,4}
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Poster Presenter: Wilf Gardner, FR

P1.065 **LONG TERM IMPAIRMENT OF COGNITIVE FUNCTION AND NEURAL NETWORK ACTIVITY ASSOCIATED WITH STRUCTURAL CHANGES IN MYELIN AFTER A TRANSIENT EPISODE OF DEMYELINATION IN ADULT MOUSE**

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Poster Presenter: Océane Mercier, FR

P1.066 **ALTERATION OF ASTROCYTE LOCAL TRANSLATION: A PATHOGENIC MECHANISM IN ALZHEIMER'S DISEASE**

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Poster Presenter: Katia Avila, FR

P1.067 **BENEFICIAL EFFECTS OF LIVER X RECEPTOR (LXR) ACTIVATION IN HUNTINGTON'S DISEASE**

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Poster Presenter: Coline Mounier, FR

P1.068 **FUNCTIONAL CONNECTIVITY REORGANIZATION OF THE REWARD SYSTEM FOLLOWING ORO-SENSORY DETECTION OF FAT TASTE ENHANCERS NKS-3 AND NKS-5 IN NAÏVE MICE: UNDERSTANDING A NOVEL THERAPEUTIC APPROACH FOR BODY WEIGHT REDUCTION**

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Poster Presenter: Lidia Cabeza, FR

P1.069 **PROTEOMIC ANALYSIS OF CORTEX-DERIVED EXTRACELLULAR VESICLES IN THE CONTEXT OF TAUOPATHIES**

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Poster Presenter: Jeanne Espourteille, CH

P1.070

PHENOTYPIC CHARACTERIZATION OF AN ATP13A2 KNOCKOUT RAT MODEL OF PARKINSON'S DISEASE

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Poster Presenter: Rémi Kinet, FR

P1.071

ALTERATIONS IN EXPRESSION OF GLUCOCORTICOID-RECEPTOR SIGNALING PATHWAY CODING GENES IN SCHIZOPHRENIA

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Poster Presenter: Ondine Adam, FR

P1.072

ELEVATED MAO-A ACTIVITY IN MICE: ROLE IN SEROTONERGIC NEUROTRANSMISSION AND EMOTIONALITY RESPONSE

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Poster Presenter: Rodolphe Lebeau, FR

P1.073

INTRANASAL (R, S)-KETAMINE DELIVERY INDUCES SUSTAINED ANTIDEPRESSANT EFFECTS ASSOCIATED WITH CHANGES IN CORTICAL BALANCE OF EXCITATORY/INHIBITORY SYNAPTIC ACTIVITY

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Poster Presenter: Thi Mai Loan Nguyen, FR

P1.074 **IMPLICATION OF POLYUNSATURATED FATTY ACID (PUFA) BIO STATUS IN REWARD-PROCESSING DEFICITS AND ALTERED DOPAMINE TRANSMISSION IN THE PFC.**

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Poster Presenter: Lola Hardt, FR

P1.075 **IMPACT OF PARKIN MUTATIONS ON DOPAMINERGIC NEURONS DERIVED FROM HUMAN IPSCS BOTH IN VITRO AND AFTER TRANSPLANTATION IN A MOUSE MODEL OF PARKINSON'S DISEASE**

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Poster Presenter: Sébastien Brot, FR

P1.076 **FUNCTIONAL INTEGRATION OF GRAFTED HIPSC-DERIVED DOPAMINE NEURONS IN A MOUSE MODEL OF PARKINSON'S DISEASE**

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Poster Presenter: Bérengère Ballion, FR

P1.077 **MITOCHONDRIAL HITCHHIKING OF MRNAS SUSTAINS LOCAL MITOCHONDRIAL PROTEOSTASIS IN AXONS**

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Poster Presenter: Angelika Harbauer, DE

P1.078 **NCS1 OVEREXPRESSION RESTORED MITOCHONDRIAL ACTIVITY AND BEHAVIORAL ALTERATIONS IN A ZEBRAFISH MODEL OF WOLFRAM SYNDROME**

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Poster Presenter: Benjamin Delprat, FR

P1.079 **THE SEROTONIN LESION INDUCED BY MDMA (ECSTASY) IN NON-HUMAN PRIMATE PRODUCES AN ACUTE ANXIETY DISORDER AND A DISTURBANCE OF FLUOXETINE THERAPEUTIC EFFECTS**

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Poster Presenter: Justine Debatisse, FR

- P1.080 **IDENTIFICATION OF NEW INHIBITORS OF DOPAMINE-GLUTAMATE RECEPTOR HETEROMERIZATION TO ALLEVIATE ADDICTIVE- AND DEPRESSIVE-LIKE SYMPTOMS**
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 Poster Presenter: Adèle Vilette, FR
- P1.081 **INVESTIGATING THE THERAPEUTIC APPLICATIONS OF BLUE LIGHT STIMULATION FOR THE TREATMENT OF EPILEPTIFORM DISORDERS**
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 Poster Presenter: Anistasha Lightning, FR
- P1.082 **THE ROLE OF MENTALIZATION, ATTACHMENT, SOCIAL SUPPORT, AND PSYCHOLOGICAL RESILIENCE IN DEPRESSION IN THE CONTEXT OF AUTISTIC TRAITS**
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 Poster Presenter: Kinga Farkas, HU
- P1.083 **SUBTHALAMIC DEEP BRAIN STIMULATION IN PARKINSON'S DISEASE: MAPPING NON-MOTOR OUTCOMES TO STRUCTURAL CONNECTIONS**
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 Poster Presenter: Garance Meyer, FR
- P1.084 **SYNAPTIC AND TRANSCRIPTOMIC FEATURES OF AMYGDALA-PREFRONTAL CORTEX PYRAMIDAL NEURONS PREDICT INEFFICIENT FEAR EXTINCTION AND OPTOGENETIC STIMULATIONS ON INFRALIMBIC PYRAMIDAL NEURONS RESCUE IMPAIRED EXTINCTION**
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Naples, Naples, Italy, ¹⁰Tor Vergata University of Rome,
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Poster Presenter: Daniela Daniela, IT

- P1.085 **THERAPEUTIC EFFECTS OF *CARISSA EDULIS* AQUEOUS EXTRACT ON L-GLUTAMIC ACID-INDUCED NEURODEGENERATION VIA THE REGULATION OF OXIDATIVE STRESS AND NEUROINFLAMMATION**
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Poster Presenter: Sabine Adeline Fanta Yadang, CM
- P1.086 **H-TST AND H-FST, TWO NOVEL GENETIC MODELS OF MAJOR DEPRESSIVE DISORDER DISPLAYING HETEROGENEOUS PHENOTYPES AND SENSITIVITY TO TREATMENTS**
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Poster Presenter: Malika El Yacoubi, FR
- P1.087 **TRANSIENT STAY IN AN ENRICHED ENVIRONMENT AMELIORATES COGNITIVE IMPROVEMENTS OF A MOUSE MODEL OF ALZHEIMER'S DISEASE THROUGH PARVALBUMIN CELL REMODELING**
G. Bouisset¹, S. Gauzin¹, J. Riviere¹, C. Lejards¹, L. Verret¹
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Poster Presenter: Laure Verret, FR
- P1.088 **DEVELOPMENT OF A NON INVASIVE RADIOTHERAPY FOR EPILEPSY USING SYNCHROTRON-GENERATED X-RAY MICROBEAMS**
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Poster Presenter: Loan Samalens, FR
- P1.089 **DAILY INTERMITTENT FASTING ATTENUATES ABSENCE EPILEPSY IN MICE.**
C. Rulhe¹, S. Thirard¹, J. Aparicio Arias¹, L. Makrini¹, T. Bouschet¹, E. Valjent¹, F. Bertaso¹
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Poster Presenter: Coline Rulhe, FR
- P1.090 **ENVIRONMENTAL ENRICHMENT AS THERAPEUTIC APPROACH TO TARGET EPIGENETIC DYSREGULATION IN HUNTINGTON'S DISEASE?**
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Poster Presenter: Baptiste Brulé, FR

- P1.091 **HEPARAN SULFATE 3-O-SULFATION AND TGFB1 INVOLVEMENT IN ALZHEIMER'S DISEASE RELATED TAU AGGREGATION**
R. Castillo Negrete^{1,2}, *H. Merrick*¹, *M.B. Huynh*¹, *S. Raj Selvaraj*¹, *M.O. Idir Ouidja*¹, *M. Diener*², *P. Jedlicka*², *D. Papy-García*¹
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 Poster Presenter: Rafael Castillo Negrete, FR
- P1.092 **RESTORING ENERGY SOURCES IN HUNTINGTON'S DISEASE TO RESCUE AXONAL TRANSPORT AND SLOW DOWN NEURODEGENERATION**
*M. Prieto*¹, *E. Cuoc*¹, *J. Cormenier*¹, *F. Cottaz*¹, *S. Akar*¹, *F. Saudou*¹
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 Poster Presenter: Marta Prieto, FR
- P1.093 **METABOLISM AS AN ORIGIN OF SEXUAL DIMORPHISM IN MORPHINE-INDUCED ANALGESIA BUT NOT IN THE SETTING OF ANALGESIC TOLERANCE IN MICE**
Y. GOUMON^{1,2}, *F. Gabel*¹, *V. Hovhannisyann*¹, *A.-K. Berkati*¹, *V. Andry*^{1,2}
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 Poster Presenter: Yannick Goumon, FR
- P1.094 **SPECIFIC BDNF EXPRESSION IN BRAIN REGIONS OF ANOREXIA NERVOSA MOUSE MODEL, A BIOMARKER TOOL OF DIAGNOSTIC?**
*J. CAO*¹, *C. TEZENAS DU MONTCEL*¹, *v. TOLLE*¹, *p. GORWOOD*^{1,2}, *O. VILTART*^{1,3}, *N. RAMOZ*¹
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 Poster Presenter: Nicolas Ramoz, FR
- P1.095 **CHARACTERIZATION OF MOTOR CORTICAL NEURONS DERIVED FROM HUMAN PLURIPOTENT STEM CELLS USING TISSUE CLEARING AND 3D IMAGING TECHNIQUES**
*A. RETHO*¹, *H. EL HAJJ*¹, *A. LAINÉ*¹, *O. RABESANDRATANA*¹, *A. DEVI GOVINDAN*¹, *M.-L. BONNET*^{1,2}, *S. BROU*¹, *A. GAILLARD*¹
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Poster Presenter: Antoine Retho, FR

4: Integrative, sensory and motor neuroscience

- P1.100 **MAPPING THE ORGANIZATION OF SENSORY PROJECTIONS FROM BARREL CORTEX TO SPINY PROJECTION NEURONS IN THE DORSAL STRIATUM**
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 Poster Presenter: Kenza Amroune, FR
- P1.101 **CONTEMPLATING V6 AS THE CORTICAL CORNERSTONE FOR THE PERCEPTION OF FORWARD AND CONGRUENT MULTIMODAL CUES OF SELF-MOTION**
S. Marchand¹, M. Balcou¹, P. Picher¹, M. Rosito¹, D. Mateo¹, N. Vayssière¹, J.-B. Durand¹, A. Séverac Cauquil¹
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 Poster Presenter: Sarah Marchand, FR
- P1.102 **ENDOCANNABINOID-MEDIATED PLASTICITY OF CORTICO-STRIATAL SYNAPSES MEDIATES FAST LEARNING**
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 Poster Presenter: Charlotte Piette, FR
- P1.103 **SENSORY INTEGRATION OF DIFFERENT STIMULUS PARAMETERS FROM THE LATERAL LINE TO THE MEDIAL OCTAVOLATERALIS NUCLEI IN THE ZEBRAFISH HINDBRAIN**
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 Poster Presenter: Elias Taylor Lunsford, FR
- P1.105 **NEURAL CORRELATES OF SLEEP-RELATED MOTOR MEMORY CONSOLIDATION: A MULTIMODAL STUDY INVESTIGATING PHASE-DEPENDENT SLEEP OSCILLATION MODULATION**
J. Nicolas^{1,2}, B.R King³, D. Levesques⁴, L. Lazzouni⁵, D. Wang⁶, N. Grossman⁷, S. Swinnen^{1,2}, J. Doyon⁵, J. Carrier^{4,8}, G. Albouy^{1,2,3}
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 Poster Presenter: Judith Nicolas, BE
- P1.106 **ROLE OF THE HYPOTHALAMUS IN ODOR PROCESSING**
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Poster Presenter: Maya Faour, FR

- P1.107 **PRIMARY SOMATOSENSORY NEURONS DYSFUNCTION IN A MOUSE MODEL OF AUTISM.**
D. Huzard¹, G. Grellier¹, V. Soubeyre¹, E. Bourinet¹, A. François¹
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 Poster Presenter: Damien Huzard, FR
- P1.108 **MOTOR LEARNING TRANSFER ACROSS SPACE AND TIME**
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 Poster Presenter: Dmitrii Todorov, FR
- P1.109 **UNCONVENTIONAL SECRETION OF MISFOLDED SOD1 AND TOXICITY SPREADING: A NOVEL THERAPEUTIC STRATEGY FOR ALS.**
P. Gosset¹, E. Néel¹, M. Labatut¹, S. Lappeman¹, V. Brugioti¹, D. Challuau¹, Y. Ait Lahcen¹, F. Scamps¹, A. Mezghrani¹, C. Raoul¹
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 Poster Presenter: Philippe Gosset, FR
- P1.110 **ZEBRA FISH: RAPID HELP IN INTERPRETING RARE VARIANTS IN ALS**
A. Forget¹, A. Chudinova², S. Lumobroso³, C. Raoul⁴, K. Mouzat³
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 Poster Presenter: Arthur Forget, FR
- P1.111 **COMPARISON OF SHORT-TERM PLASTICITIES EXPRESSED BY SPINAL INHIBITORY INTERNEURONS IN LAMINA II OF MALE AND FEMALE MICE IN CONTROL AND INFLAMMATORY CONDITIONS**
R. Kuster¹, L. Cathenaut¹, Q. Leboulleux¹, R. Schlichter¹, S. Hugel¹
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 Poster Presenter: Robin Kuster, FR
- P1.112 **SEX-SPECIFIC REGULATION OF INFLAMMATORY MEDIATORS IN PERIPHERAL NERVE INJURY-INDUCED NEUROPATHIC PAIN: FROM MECHANICAL ALLODYNIA TO SPONTANEOUS RECOVERY**
M. Gaborit¹, Q. Leboulleux¹, M. Kremer¹, S. Doridot², Y. Goumon¹, D. Massotte¹
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 Poster Presenter: Marion Gaborit, FR
- P1.113 **THE ELECTROPHYSIOLOGICAL UNDERPINNINGS OF TACTILE IMPROVEMENT TRANSFERRING FROM ONE HAND TO ANOTHER**
M. AZAROUAL-SENTUCQ^{1,2}, D. MURET^{3,4}, E. KOUN^{1,2,5}, R. SALEMME^{1,2,5}, L.E. MILLER^{1,2,6}, A. FARNE^{1,2,5,7}

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Poster Presenter: Malika Azaroual-Sentucq, FR

- P1.114 **VOLUNTARY CONTROL OF CORTICAL MESOSCALE DYNAMICS**
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Poster Presenter: Anton Dogadov, FR
- P1.115 **IDENTIFICATION OF DYSREGULATED MOLECULAR PATHWAYS IN FRATAXIN DEFICIENT PROPRIOCEPTIVE SENSORY NEURONS**
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Poster Presenter: Deepika Mokkachamy Chellapandi, FR
- P1.116 **FEEDING STATE-DEPENDENT MODULATION OF NEURONAL CIRCUIT ACTIVITY AND BEHAVIOR BY NEUROPEPTIDERGIC SIGNALING**
D. Manceau¹, F. Viscido¹, E. de Tredern¹, A. Hasan¹, S. Autran¹, T. Jovanic¹
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Poster Presenter: Dylan Manceau, FR
- P1.117 **T-TYPE CALCIUM CURRENTS IN PKC-GAMMA NEURONS GATING CHRONIC PAIN IN THE DORSAL SPINAL CORD**
C. CUCULIERE¹, V. SOUBEYRE¹, J. CHEMIN¹, P.-F. MERY², E. LINGUEGLIA³, E. BOURINET¹
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Poster Presenter: Célia Cuculiere, FR
- P1.118 **A MULTISENSORY PROFILE PROTOCOL APPLIED TO VESTIBULAR DISORDERS: SPATIAL AND POSTURAL VIRTUAL REALITY SUBSETS**
A. Julienne¹, S. Besnard², M. Hitier³, L. Plisson³, E. Bui³, F. Assaban⁴
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Poster Presenter: Angela Julienne, FR
- P1.119 **WIDE-FIELD CALCIUM IMAGING OF NORADRENERGIC CONTRIBUTION TO HIPPOCAMPAL NEURONAL NETWORKS THAT EMERGE DURING THE ACQUISITION AND UPDATING OF SPATIAL INFORMATION**
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Poster Presenter: Ninad Shendye, DE

- P1.120 **GRANGER CAUSALITY ANALYSIS FOR CALCIUM TRANSIENTS IN NEURONAL NETWORKS, CHALLENGES AND IMPROVEMENTS**
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Poster Presenter: Faustine Ginoux, FR
- P1.121 **BRAIN SENSORIMOTOR INTEGRATION AFTER FOCAL MUSCLE-TENDON VIBRATIONS IN AMYOTROPHIC LATERAL SCLEROSIS**
A. Preuilh¹, M. Pélegrini-Issac¹, A. Lackmy-Vallée¹, G. Querin², B. Béranger³, P.-F. Pradat², V. Marchand-Pauvert¹
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Poster Presenter: Arnaud Preuilh, FR
- P1.122 **THE PARABRACHIAL-TO-NUCLEUS ACCUMBENS PATHWAY CONTROLS FOOD INTAKE AND ENERGY BALANCE.**
G. Gangarossa¹, J. Castel¹, B. Bertrand¹, S. Luquet¹, O. Onimus¹
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Poster Presenter: Giuseppe Gangarossa, FR
- P1.123 **MULTIPLE PULVINAR PROJECTION FIELDS IN THE ADULT MACAQUES**
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Poster Presenter: Mathilda Froesel, FR
- P1.124 **SACCADES TO EITHER VISUAL OR TACTILE TARGETS CAN BE ADAPTED BUT WITH AN ASYMMETRICAL CROSS-MODAL TRANSFER.**
A. Batikh¹, V. Gaveau¹, M. Panouillères¹, A. Farnè¹, D. Pélisson¹
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Poster Presenter: Ali Batikh, FR
- P1.125 **ANTI-FIBROBLAST GROWTH FACTOR-3 ANTIBODIES INDUCE THE OVEREXPRESSION OF PROTEINS INVOLVED IN EXITOTOXICITY, AUTOPHAGY AND CELL DEATH IN NEURONS**
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Poster Presenter: Nadia Boutahar, FR
- P1.126 **QUANTITATIVE EEG AS A BIOMARKER OF NEURODEPRESSANT EFFECTS OF INDUSTRIAL SOLVENTS**

IN LONG-EVANS RATS

E. Bernal¹, T. Venet^{1,2}, L. Merlen¹, L. Guenot¹, A. Thomas¹, S. Boucard¹, M. Mascherin¹, S. Viton¹, S. Grossmann¹, L. Wathier¹, F. Cosnier¹, B. Pouyatos^{1,2}

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Poster Presenter: Estefania Bernal, FR

P1.127 **EXPLORATION VS EXPLOITATION: A THALAMOCORTICAL CIRCUIT TO SUPPORT VOLUNTARY ACTIONS**

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Poster Presenter: Margaux Giraudet, FR

P1.128 **CONTRIBUTION OF DIFFERENT POPULATIONS OF V2A RETICULOSPINAL NEURONS TO THE KINEMATICS OF LOCOMOTOR TURNING**

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Poster Presenter: Andrea Giorgi, FR

5: Neuroendocrinology and integrative physiology

P1. 133 **STUDY OF MATERNAL MEDIATED MECHANISMS IN THE EPIGENETIC PROGRAMMING INDUCED BY MATERNAL STRESS: TRANSGENERATIONAL TRANSMISSION AND OXYTOCIN.**

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Poster Presenter: Ryma Benlakehal, FR

P1. 134 **DIETARY FATTY ACID COMPOSITION IMPACTS OBESITY DEVELOPMENT, NEUROINFLAMMATION AND ASSOCIATED GLIAL REACTIVITY**

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Poster Presenter: Clara Sanchez, FR

P1. 135 **CHEMOGENETIC ACTIVATION OF A NOVEL NEURONAL POPULATION IN THE LATERAL HYPOTHALAMIC AREA, EXPRESSING 26RFA AND OREXINS, ALTERS THE REGULATION OF GLUCOSE AND ENERGY HOMEOSTASIS**

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Poster Presenter: Mélodie Devère, FR

P1. 137

ROLE OF MTORC1 SIGNALING IN MICROGLIA DURING DIET-INDUCED OBESITY.

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Poster Presenter: Camille Allard, FR

P1. 138

DOPAMINE D2R-NEURONS OF THE PARAVENTRICULAR THALAMUS GOVERN FEEDING, ENERGY BALANCE AND BODY HOMEOSTASIS.

*B. BERTRAND*¹, *J. Castel*¹, *E. Hardy*², *O. Onimus*¹, *E. Valjent*³, *M. Diana*², *S. Luquet*¹, *G. Gangarossa*¹

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Poster Presenter: Benoit Bertrand, FR

6: Cognitive, affective and behavioral neuroscience, neuroethology

P1.142

COGNITIVE COMPONENTS OF CREATIVITY AND THEIR STRUCTURAL BRAIN CORRELATES IN FRONTOTEMPORAL DEMENTIA

*V. Altmayer*¹, *T. Bieth*¹, *M. Ovando-Tellez*¹, *A. Lopez-Persem*¹, *B. Batrancourt*¹, *B. Garcin*¹, *I. Le Ber*¹, *L. Migliaccio*¹, *R. Levy*¹, *E. Volle*¹

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Poster Presenter: Victor Altmayer, FR

P1.143

BEHAVIORAL CONSEQUENCES OF LOSS OF SNORD116 AND SNORD115 GENES.

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Poster Presenter: Julie C. Rivière, FR

P1.144

DATA-DRIVEN DISCOVERY OF LONG TIMESCALE BEHAVIORAL STRATEGIES DURING SENSORY EVOKED NAVIGATION

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Poster Presenter: Gautam Sridhar, FR

- P1.145 **EFFECT OF TRANSCRANIAL ULTRASOUND STIMULATION OF THE HUMAN ROSTROMEDIAL PREFRONTAL CORTEX ON PRIVATE AND SOCIAL COUNTERFACTUAL REASONING**
M. Lojkiewicz^{1,2}, J. Sallet^{3,4}, S.N. Yaakub^{1,2}, J. Roberts⁵, J. Reed^{1,2}, T. White^{1,2}, E. Fouragnan^{1,2}, N. Bault^{1,2}
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Poster Presenter: Mathilde Lojkiewicz, GB

- P1.146 **DOPAMINERGIC MODULATION AND ELECTROPHYSIOLOGICAL SIGNATURE OF INSULA NEURONS DURING ANXIETY-RELATED BEHAVIORS**
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Poster Presenter: Yoni Couderc, FR

- P1.147 **SUBCORTICAL CORRELATES OF THE SOCIAL TOLERANCE SCALE IN THE MACACA GENUS**
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Poster Presenter: Sarah Silvère, FR

- P1.148 **TARGETING THE N/OFG NEUROPEPTIDE RECEPTOR TO PROTECT ADULT NEUROGENESIS IN A MOUSE MODEL OF CHRONIC STRESS**
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Poster Presenter: Cathaline Robert, FR

- P1.149 **PREFRONTAL CORTEX ACTIVITY TRACKS NEWLY IDENTIFIED PANIC- AND ANXIETY-LIKE STATES VIA INTEROCEPTIVE TUNING**
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Poster Presenter: Sophie Bagur, FR

- P1.150 **A DEFINED COMMUNITY OF CORE GUT BACTERIA PROMOTES COGNITIVE DEVELOPMENT IN HONEY BEES**
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Poster Presenter: Amélie Cabirol, CH

- P1.151 **DOPAMINOCEPTIVE NEURONS IN VENTRAL HIPPOCAMPUS ARBITRATE APPROACH AND AVOIDANCE IN ANXIETY**
A. Godino¹, M. Salery¹, A. Minier-Toribio¹, V. Patel¹, J. Fullard¹, E. Parise¹, F. Martinez Rivera¹, C. Morel¹, S. Montgomery¹, P. Roussos¹, R. Blitzer¹, E. Nestler¹
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Poster Presenter: Arthur Godino, US
- P1.152 **ADULTS LEARN TO IDENTIFY PAIN IN BABIES CRIES: INVESTIGATIONS FROM BEHAVIOR TO BRAIN RESPONSES**
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Poster Presenter: Siloé Corvin, FR
- P1.153 **CONTRASTING FRONTAL CORTICAL RESPONSES TO FOOD VERSUS MONEY REWARDS ACROSS BMI GROUPS**
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Poster Presenter: Rachel Ginieis, FR
- P1.154 **RESTRUCTURING PROBLEM-RELATED SEMANTIC ASSOCIATIONS PROMOTES SOLVING SUCCESS AND ANALOGICAL TRANSFER**
T. Bieth¹, Y. Kenett², M. Ovando-Tellez¹, A. Lopez-Persem¹, C. Lacaux¹, D. Oudiette¹, E. Volle¹
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Poster Presenter: Théophile Bieth, FR
- P1.155 **NEUROIMAGING EVIDENCE OF THEFUNCTIONAL INTERPLAY WITHIN THE FRONTO-AMYGDALA NETWORK DURING BEHAVIOURAL ADAPTATION IN HUMAN**
C. Giacometti¹, D. Aufran-Clavagnier², L. Viñales¹, F. Lamberton³, E. Procyk¹, F. Hady-Bouziane⁴, C. Amiez¹
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Poster Presenter: Camille Giacometti, FR
- P1.156 **BRAIN CONNECTIVITY-BASED PREDICTION OF COMBINING REMOTE SEMANTIC ASSOCIATES FOR CREATIVE THINKING**
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Poster Presenter: Marcela Ovando Tellez, FR

P1.157

FUNCTIONAL BRAIN CONNECTIVITY COMPARISON OF EXPERT AND NOVICE MEDITATORS, FOLLOWING EXPOSURE TO NEGATIVE SOCIO-EMOTIONAL EVENTS

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Poster Presenter: Hamed Mohammadi, FR

P1.158

IMPLICATION OF MEDIAL PREFRONTAL CORTEX AND NUCLEUS ACCUMBENS DOPAMINE TRANSMISSION IN GOAL-DIRECTED BEHAVIOR: A ROLE FOR DOPAMINE AND NMDA RECEPTOR HETEROMERS ?

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Poster Presenter: Anna Petitbon, FR

P1.159

HOW NEGATIVE EMOTIONS INFLUENCE COGNITION : AN EEG STUDY IN ARITHMETIC

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Poster Presenter: Paola Melani, FR

P1.160

NEURONAL DYNAMIC AT THE ORIGINS OF DIFFERENT LEARNING STRATEGIES IN THE SPATIAL WORKING MEMORY

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Poster Presenter: Maxime Villet, FR

P1.161

TRAINING SPATIAL HEARING SKILLS IN COCHLEAR IMPLANT USERS: A MULTISENSORY AND ACTIVE LISTENING APPROACH

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Poster Presenter: Francesco Pavani, IT
- P1.162 **DISSOCIATION OF INTEGRATED BRAIN-BODY STATES OF FEAR USING PSYCHIATRIC DRUGS AND RIPPLES INHIBITION**
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Poster Presenter: Baptiste Mahéo, FR
- P1.163 **DORSAL-VENTRAL HIPPOCAMPAL COORDINATION DURING SLEEP AND ENCODING OF EMOTIONAL SPATIAL MEMORIES**
J.F. Morici¹, I. Paiva-Lima¹, E. Pronier¹, G. Girardeau¹
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Poster Presenter: Juan Facundo Morici, FR
- P1.164 **STEREOTYPES AND CONFORMISM: THE ROLE OF SOCIAL COGNITION IN THE PERSISTENCE OF CHRONIC SPINAL PAIN**
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Poster Presenter: Yvan Sonjon, FR
- P1.165 **ANTERIOR INSULAR LESION DISRUPTS BEHAVIORAL ADAPTATION TO NEGATIVE OUTCOMES**
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Poster Presenter: Charles Verstraete, FR
- P1.166 **THE PREFRONTAL OPERCULUM: A CRITICAL HUB FOR SPEECH?**
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Poster Presenter: Charles Verstraete, FR
- P1.167 **LINKING EMOTIONAL VALENCE AND ANXIETY IN A MOUSE INSULA-AMYGDALA CIRCUIT**
C. Nicolas¹, A. Ju¹, Y. Wu¹, H. Eldirdiri¹, S. Delcasso¹, Y. Couderc¹, C. Fornari¹, A. Mitra¹, L. Supiot¹, A. Vérité¹, M. Masson¹, S. Rodriguez-Rozada², D. Jacky¹, S.J Wiegert², A. Beyeler¹
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Poster Presenter: Céline Nicolas, FR
- P1.168 **BOOSTING PITCH PERCEPTION IN CONGENITAL AMUSIA: A BEHAVIORAL AND MEG STUDY**

- C. Hoarau*¹, *A. Pralus*¹, *L. Fornoni*¹, *D. Schwartz*^{1,2}, *S. Daligault*^{1,2}, *P.-E. Aguera*¹, *N. Bedoin*¹, *A. Moulin*¹, *B. Tillmann*^{1,3}, *A. Caclin*¹
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 Poster Presenter: Caliani Hoarau, FR
- P1.169 **SOCIAL EMOTIONAL PROFILES IN TWO STRAINS OF TRANSGENIC MICE EXPRESSING NICOTINIC RECEPTOR MUTATIONS INVOLVED IN ALCOHOL ABUSE: ROLE OF THE BLA-VCA1 PATHWAY**
*C. Pagèze*¹, *C. Lacroix*¹, *L. Tochon*¹, *N. Henkous*¹, *J.-L. Guillou*¹, *R.-M. Vouimba*¹, *V. David*¹
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 Poster Presenter: Cécile Pagèze, FR
- P1.170 **ASSESSING THE ALLOCATION OF ATTENTION DURING VISUAL SEARCH USING DIGIT-TRACKING, A CALIBRATION-FREE ALTERNATIVE TO EYE TRACKING**
Y. Yang^{1,2}, *L. Mo*², *G. Lio*³, *Y. Huang*^{1,2}, *T. Perret*¹, *A. Sirigu*^{1,3}, *J.-R. Duhamel*¹
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 Poster Presenter: Yidong Yang, FR
- P1.171 **OBESOGENIC DIET INDUCES MEMORY DEFICITS THROUGH CB1 RECEPTORS ON HIPPOCAMPAL GLUTAMATERGIC NEURONS IN MALES BUT PREFRONTAL GABAERGIC NEURONS IN FEMALES.**
*M. N'diaye*¹, *E. Ducourneau*¹, *I. Bakogiannis*¹, *A. Fermigier*¹, *M. Potier*¹, *P. Lafenêtre*¹, *L. Bellocchio*², *G. Marsicano*², *G. Ferreira*¹
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 Poster Presenter: Matéo N'diaye, FR
- P1.172 **A NEW MOUSE MODEL TO INVESTIGATE THE ROLE OF THE TRANSCRIPTIONAL COREPRESSOR SIN3A IN HIPPOCAMPUS-DEPENDENT MEMORIES**
*C. Bak*¹, *J. Kupke*², *E. Boissieres*³, *A.M.M. Oliveira*^{2,4}, *C. Rampon*¹, *C. Florian*¹
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 Poster Presenter: Célia Bak, FR
- P1.173 **NEUROBIOLOGICAL MARKERS OF SOCIAL VARIABILITY IN CONGENIC MICE : EMERGENCE OF INDIVIDUAL PERSONALITY TRAITS**
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Poster Presenter: Nastasia Mirofle, FR

- P1.174 **A VOCALIZATION-PROCESSING NETWORK IN MARMOSETS**
*A. Jafari*¹, *A. Dureux*¹, *A. Zanini*¹, *R.S. Menon*¹, *K.M. Gilbert*¹, *S. Everling*^{1,2}
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 Poster Presenter: Azadeh Jafari, CA
- P1.175 **A MULTIVARIATE ANALYSIS OF SOCIAL, EMOTIONAL AND FLEXIBLE BEHAVIORS IN A MOUSE MODEL OF DUCHENNE MUSCULAR DYSTROPHY**
*L. Ceschi*¹, *F. Zarrouki*¹, *R. Miranda*², *S. Granon*¹, *C. Vaillend*¹
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 Poster Presenter: Léa Ceschi, FR
- P1.176 **UNRAVELLING THE EFFECTS OF PSILOCYBIN IN MICE WITH A WHOLE-BRAIN APPROACH**
*D. Domingues*¹, *T. Topilko*¹, *Y. Taver*¹, *L. Simmler*², *N. Renier*¹, *E. Burguière*¹
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 Poster Presenter: Daniela Domingues, FR
- P1.177 **DYNAMIC CHANGES IN LOCAL FIELD POTENTIAL SYNCHRONISATION AMONG A NETWORK OF CEREBRAL STRUCTURES IMPLICATED IN THE STRESS RESPONSE IN RATS**
*L. Durieux*¹, *K. Herbeaux*¹, *N. Totah*², *L. Lecourtier*¹
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 Poster Presenter: Laura Durieux, FR
- P1.178 **WHAT IS A BURST? TRANSIENT BETA BAND PHENOMENA IN SINGLE-TRIAL FRONTAL OSCILLATORY DYNAMICS HAVE DIFFERENT PROPERTIES DEPENDING ON THE BURST DETECTION METHOD USED**
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 Poster Presenter: Charles Wilson, FR
- P1.179 **LEARNING DANGER FROM OTHERS' EXPERIENCES: CONTRIBUTION OF THE DORSO-VENTRAL HIPPOCAMPAL NETWORK**
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 Poster Presenter: Frédéric Michon, NL
- P1.180 **LOCAL EXPANSION OF THE GRID CELL MAP DURING A**

GOAL DIRECTED NAVIGATION TASK

F. Capitano¹, C. Laurent¹, V. Hok¹, E. Save¹, B. Poucet¹, P.-Y. Jacob¹, F. Sargolini¹

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Poster Presenter: Fabrizio Capitano, FR

P1.182 **A THALAMOCORTICAL CIRCUIT FOR DECIDING IN UNCERTAIN ENVIRONMENTS**

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Poster Presenter: Sarah Morceau, FR

P1.183 **NETWORK MODULATION BY CHEMOGENETIC PATHWAY-SPECIFIC IN MACAQUE MONKEYS**

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Hadj-Bouziane⁴, P. Misery¹, V. Morel-Latour¹, V. Fontanier¹, C. Goussi¹, E. Procyk¹

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Poster Presenter: Clémence Gandaux, FR

P1.184 **SELF-RELEVANCE ENHANCES DISCRIMINATION OF DISTANCE FOR AUDITORY SOURCES IN THE EXTRAPERSONAL SPACE**

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Poster Presenter: Robin Duclermortier, FR

P1.185 **TRACKING BEHAVIOR IN NATURALISTIC SITUATIONS USING ARTIFICIAL INTELLIGENCE**

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Poster Presenter: Bruno Michelot, FR

P1.186 **EFFECT OF NEONATAL MATERNAL SEPARATION ON HIPPOCAMPUS: BEHAVIORAL AND MOLECULAR ASPECTS**

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Poster Presenter: Hannah Illouz, FR

- P1.187 **SEROTONIN 5-HT₆ RECEPTOR-OPERATED MTOR SIGNALING AS A THERAPEUTIC TARGET FOR PREVENTING THE ONSET OF COGNITIVE DEFICITS IN PRECLINICAL MODELS OF SCHIZOPHRENIA**
A. Rogliardo¹, M. Sekssaoui¹, C. Berthoux², J. Bockaert¹, P. Marin¹, C. Becamel¹
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 Poster Presenter: Angelina Rogliardo, FR
- P1.188 **LIMITATION OF THE USE OF AAVS : CRE-RECOMBINASE INDUCED TIME-DEPENDANT INFLAMMATION RESPONSE AND NEURODEGENERATION IN THE MIDLINE THALAMUS.**
L. Boch¹, E. Panzer¹, B. Cosquer¹, I. Grgurina¹, A. Stephan¹, A. Pereira de Vasconcelos¹, J.-C. Cassel¹
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 Poster Presenter: Laurine Boch, FR
- P1.189 **A NOVEL THALAMIC ROLE FOR THE LEARNING OF A RELATIVE AVERSIVE VALUE IN MICE**
M. Miranda¹, E. Karam¹, P. Tudori¹, A. François¹, C. Vallianatou¹, J. Ster¹, E. Valjent¹, E. Perisse¹, S. Trouche¹
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 Poster Presenter: Magdalena Miranda, FR
- P1.190 **RETROSPLENIAL CORTEX ACTIVITY REPRESENTS BOTH LOCAL AND GLOBAL SPACE**
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 Poster Presenter: Célia Laurent, FR
- P1.191 **OLFACTORY TRAINING IN THE ELDERLY: IMPACT ON OLFACTORY PERCEPTION, COGNITION AND WELL-BEING**
E. Moussy¹, A. Fournel², J. Vieira³, M. Fieux^{4,5}, F. Faure^{6,7}, G. Buiret^{8,9}, D. Bellil¹⁰, C. Daude¹, L. Fornoni¹¹, E. Petit³, A. Giboreau³, M. Bensafi¹, C. Ferdenzi¹, M. Richard¹
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Poster Presenter: Erwan Moussy, FR

- P1.192 **RETRIEVING FEAR MEMORIES THROUGH THE BASAL AMYGDALA-ACCUMBENS PATHWAY**
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 Poster Presenter: Christina Anna Vallianatou, FR
- 7: Theoretical and computational neuroscience**
- P1.200 **MODELLING SPATIO-TEMPORAL DYNAMICS OF INTERICTAL SPIKES**
J.-D. Lemaréchal¹, P. Triebkorn¹, G.-M. Duma¹, B. Dollomaja¹, J.-M. Badier¹, C.-G. Bénar¹, F. Bartolomei^{1,2}, H. Wang¹, V. Jirsa¹
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 Poster Presenter: Jean-Didier Lemaréchal, FR
- P1.201 **GIVING UP OR GIVING IN? CORTICAL AND STRIATAL CIRCUITS UNDERPINNING PERSISTENCE DURING GOAL PURSUIT**
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 Poster Presenter: Eleanor Rachel Holton, GB
- P1.202 **CANONICAL CORTICAL CIRCUITS USE HIGH-ORDER SYNERGIES TO MAINTAIN A MULTIPLEXED FREQUENCY COMMUNICATION**
S. Castro Novoa¹, M. Helmer², R. Herzog³, F. Wolf⁴, D. Battaglia⁵
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 Poster Presenter: Samy Castro Novoa, FR
- P1.203 **EMERGING RHYTHMS IN A MODEL OF THE MONKEY BASAL GANGLIA**
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 Poster Presenter: Jeanne Barthélemy, FR
- P1.204 **TOWARDS THE DOPAMINERGIC VIRTUAL BRAIN - DOPAMINE NEUROMODULATION EFFECTS IN A SIMPLE MEAN-FIELD MODEL FOR USE IN WHOLE-BRAIN NETWORK MODELING**
H. Sheheitli¹, V. Jirsa¹
¹Aix-Marseille University, Institut de Neurosciences des Systèmes, Marseille, France
 Poster Presenter: Hiba Sheheitli, FR
- P1.205 **A COLLABORATIVE EFFORT TO STANDARDIZE, MAINTAIN, AND DEVELOP SPIKE-SORTING TOOLS THROUGH SPIKEINTERFACE**
S. garcia¹, P. Yger², A.P Buccino³

¹Centre de Recherche en Neurosciences de Lyon, INSERM U1028 - CNRS UMR5292 - UCBL - UJM, Bron Cedex, France, ²Institut de la Vision, Sorbonne Université, INSERM, Paris, France, ³Allen Institute for Neural Dynamics, Seattle, United States

Poster Presenter: Samuel Garcia, FR

P1.206

COMPUTATIONAL MODELS OF THE DETECTION OF COOPERATIVE AND COMPETITIVE INTENTIONS IN CHILDREN FROM AGE 3 TO 9

T. Nong¹, C. Qu², Y. Li³, Y. Wang³, C. Miao³, X. Liu³, R. Philippe¹, J.-B. Van der Henst⁴, E. Derrington¹, J.-C. Dreher⁵

¹ISC-CNRS-UCBL1, Neuroeconomics, Bron, France, ²South China Normal University, School of Psychology, Center for Studies of Psychological Application, Guangzhou, China, ³Institute for Brain Sciences, Nanjing University, Nanjing, China, Reward, Competition and Social Neuroscience Lab, Department of Psychology, School of Social and Behavioral Sciences, Nanjing University, Nanjing, China, Nanjing, China, ⁴CRNL-CNRS-UCBL1, Bron, France, ⁵ISC-CNRS, Neuroeconomics, Bron, France

Poster Presenter: Toan Nong, FR

P1.207

BEYOND FREQUENCY BANDS: CIRCUIT MECHANISMS FOR BURSTING GAMMA OSCILLATIONS

M. di Volo¹, V. Douchamps², A. Torcini³, D. Battaglia⁴, R. Goutagny²

¹Université Claude Bernard Lyon 1, Lyon, France, ²Université de Strasbourg, Strasbourg, France, ³CY Cergy Paris Université, Cergy-Pontoise, France, ⁴Aix-Marseille Université, Marseille, France

Poster Presenter: Matteo di Volo, FR

P1.208

NEURAL INTERACTIONS IN THE HUMAN PREFRONTAL CORTEX DISSOCIATE REWARD AND PUNISHMENT PREDICTION ERROR SIGNALS

E. Combrisson¹, R. Basanisi¹, M.C.M. Gueguen^{2,2}, J. Bastin², A. Brovelli¹

¹Aix-Marseille Université, Marseille, France, ²Grenoble Institut Neurosciences, Grenoble, France

Poster Presenter: Etienne Combrisson, FR

P1.209

OREXIN-DEPENDENT SLEEP IMPAIRMENT IN AMYOTROPHIC LATERAL SCLEROSIS IN MOUSE MODELS AND PATIENTS

S.J. Guillot¹, C. Lang², S. Arthaud³, P.-H. Luppi³, A.C. Ludolph², L. Dupuis¹, M. Bolborea^{1,4}

¹University of Strasbourg, INSERM UMR-S 1118, Strasbourg, France, ²German Centre for Neurodegenerative Diseases, Department of Neurology, Ulm, Germany, ³Centre of Neuroscience of Lyon, CNRS UMR 5292/INSERM UMR 1028, Lyon, France, ⁴University of Warwick, School of Life Science, Coventry, United Kingdom

Poster Presenter: Simon J. Guillot, FR

Paul Broca Lecture

09:00 - 10:00

Auditorium Lumière

PL01 - Human-specific genetic modifiers of cortical circuit development and function

PL01.1

Lecture

Speaker: Franck Polleux, US

Symposium

11:00 - 13:00

Auditorium Lumière

S01 - Early experiences and adversity on brain development in human and nonhuman primates: effects from perinatal period to adulthood

Chair: Pier Francesco Ferrari, FR

- S01.1 **Social touch and social exclusion affect infants' behavior and neural processing**
Speaker: Chiara Turati, IT
- S01.2 **Early social adversity in non-human primates affects negative attentional biases and amygdalo-cortical functional connectivity**
Speaker: Pier Francesco Ferrari, FR
- S01.3 **Brain maturation and processing of sounds and voice in preterm infants**
Speaker: Petra Huppi, CH
- S01.4 **Assessing brain function and structure as a result of early adversity**
Speaker: Ross Vanderwert, GB
- S01.5 **Maternal effects on physiological stress and communication in wild chimpanzees**
Oral Presenter: Cédric Girard-Buttoz, FR

Symposium

11:00 - 13:00

Auditorium Pasteur

S02 - Theoretical and computational approaches in neuroscience: Emergence and low-dimensional representation in brain network dynamics

Chair: Spase Petkoski, FR

Chair: Matthieu Gilson, ES

- S02.1 **Virtual brains during healthy ageing and Alzheimer's disease**
Speaker: Spase Petkoski, FR
- S02.2 **Disentangling high-order mechanisms and high-order behaviours in complex system**
Speaker: Daniele Marinazzo, BE
- S02.3 **Event-Related Variability is Modulated by Task and Development**
Speaker: Shruti Naik, FR
- S02.4 **Effective connectivity extracts clinically relevant information from resting state activity**
Speaker: Matthieu Gilson, ES
- S02.5 **Large-Scale Brain Signatures Of Fluid Dynamics And Responsiveness Linked To Consciousness**
M. Breyton¹, J. Fousek¹, G. Rabuffo¹, P. Sorretino¹, L. Kusch¹, S. Petkoski¹, V. Jirsa¹
¹Aix Marseille Université, 13005 Marseille, France, Inserm, Institut Neurosciences Systèmes, Umr 1106, Marseille, France
Oral Presenter: Martin Breyton, FR

Symposium

11:00 - 13:00

Salon Pasteur

S03 - Coping or not with stress: from adaptation to disease

Chair: Jacques Barik, FR

- S03.1 **A non-canonical tegmentum GABAergic pathway promotes freezing responses**
Speaker: Jacques Barik, FR
- S03.2 **SWI/SNF chromatin remodeler complex within the reward pathway is required for stress-induced depressive-like symptoms**
Speaker: Sébastien Parnaudeau, FR
- S03.3 **Time-dependent functional correlates of adult hippocampal cytotogenesis: Relevance to stress-induced Depression**
Speaker: Luisa Pinto, PT
- S03.4 **Inter-individual differences in trauma processing predict vulnerability vs resilience**
Speaker: Marloes Henckens, NL
- S03.5 **Dopamine And Glutamate Receptor Heteromers As A Common Molecular Substrate For Substance Use Disorder And Comorbid Depression**
M.-C. Allichon¹, V. Ortiz², P. Pousinha², F. Arrivet¹, B. Dayre¹, M. Fitoussi¹, A. Andrianarivelo³, J. Meszaros⁴, A. Bemelmans⁵, N. Mechawar⁶, J. Javitch⁴, N. Heck¹, S. Parnaudeau¹, P. Trifilieff⁷, J. Caboche¹, J. Barik², P. Vanhoutte¹
¹Neurosciences Paris-Seine/Sorbonne Université, Paris, France, ²Institut de Pharmacologie Moléculaire & Cellulaire/Université Côte d'Azur, Nice, France, ³Université Paris Cité, Paris, France, ⁴Department of Psychiatry/Columbia University, New-York, United States, ⁵Université Paris-Saclay, CEA, MIRCen, Fontenay-aux-Roses, France, ⁶Department of Psychiatry/Douglas Mental Health University Institute, Montréal, Canada, ⁷INRAE/Université de Bordeaux, Bordeaux, France
Oral Presenter: Marie-Charlotte Allichon, FR

Symposium

11:00 - 13:00

Rhône 1

S04 - New perspectives on brain oscillations during sleep. Symposium proposed by the SFRMS (Société Française de Recherche et de Médecine du Sommeil)

Chair: Laurent Seugnet, FR

- S04.1 **Conscious experiences and high-density EEG patterns predicting subjective sleep depth**
Speaker: Aurélie M. Stephan, CH
- S04.2 **Neural dynamics in cerebello-hippocampal circuits during sleep**
Speaker: Thomas Watson, GB
- S04.3 **Unusual sleep patterns in wild penguins**
Speaker: Paul-Antoine Libourel, FR
- S04.4 **Oscillatory coherence regulating behavioral responsiveness in sleepy brains in *Drosophila***
Speaker: Davide Raccuglia, DE

- S04.5 **Is Paradoxical Sleep A Paradoxical State Of Sleep?**
*F. Boscher*¹, *N. Urbain*²
¹Université Claude Bernard, Lyon 1, CRNL, Lyon, France, ²inserm, CRNL, Lyon, France
 Oral Presenter: Flore Boscher, FR

Symposium

11:00 - 13:00

Rhône 2

S05 - New insights into circadian rhythms and their impact on metabolic and mental health

Chair: Etienne Challet, FR

Chair: Marie-Paule Felder-Schmittbuhl, FR

- S05.1 **Role of dopamine in the development of the mammalian retinal clock**
 Speaker: Ouria Dkhissi-Benyahya, FR
- S05.2 **Mood-related behaviours and circadian clocks in thyroid diseases**
 Speaker: Xavier Bonnefont, FR
- S05.3 **Circadian clocks and feeding behaviour**
 Speaker: Henrik Oster, DE
- S05.4 **Beneficial effects of chrononutrition on high fat diet-related memory impairments**
 Speaker: Marie-Pierre Moisan, FR
- S05.5 **Effect Of Short-Term Fluoxetine Treatment On The Scn Neuronal Activity Rhythm Of The Diurnal Rodent *Arvicanthis Ansoergei***
*R. Caputo*¹, *R.A. Schoonderwoerd*², *T. De Boer*², *D. Sage-Ciocca*³, *E. Challet*¹, *J.H. Meijer*², *S. Raison*¹
¹Institute of Cellular and Integrative Neurosciences, CNRS and University of Strasbourg, Strasbourg, France, ²Department of Molecular Cell Biology, Division of Neurophysiology, Leiden University Medical Center, Leiden, Netherlands, ³Chronobiotron UMS3415-CNRS, University of Strasbourg, Strasbourg, France
 Oral Presenter: Rosanna Caputo, FR

Symposium

11:00 - 13:00

Rhône 3

S06 - On the potential role of synuclein members in Parkinson's disease and related disorders

Chair: Véronique Sgambato, FR

Chair: Analia Bortolozzi, ES

- S06.1 **Clinical overview on Parkinson's disease and other synucleinopathies and relevant biomarkers**
 Speaker: Andrea Mancini, IT
- S06.2 **Alpha-Synuclein as a key player in animal models of Parkinson's disease**
 Speaker: Marie-Laure Arotcarena, FR
- S06.3 **Beta-Synucleins as neurochemical markers in the differential diagnosis of neurodegenerative diseases**
 Speaker: Markus Otto, DE
- S06.4 **Impact of gamma-synuclein modulation on dopaminergic**

transmission and behavioral responses*Speaker:* Analia Bortolozzi, ES*Symposium*

11:00 - 13:00

Saint Clair 3

S07 - Olfactory navigation and memory processes*Chair:* Anne-Lise Saive, FR**S07.1 Using navigation tasks for translational memory assessment***Speaker:* Anne-Lise Paradis, FR**S07.2 Hippocampal sharp wave ripples: mechanism and function for place cell coding***Speaker:* Lisa Roux, FR**S07.3 Interactions between navigation abilities and olfactory memory***Speaker:* Anne-Lise Saive, FR**S07.4 Predictive responses in primary olfactory cortex***Speaker:* Tor Stensola, NO**S07.5 Physiological Characterization Of Piriform Cortex Modulation By Respiratory Signal***G. Casali*¹, *C. Miermon*¹, *N. Chenouard*², *T. Doliq*², *G. Terral*², *P. Ravassard*², *F. Gambino*¹, *L. Roux*¹¹IINS, CNRS UMR5297, Bordeaux, France, ²IINS, CNRS UMR 5297, Bordeaux, France*Oral Presenter:* Giulo Casali, FR*Special Session*

13:15 - 14:45

Salon Pasteur

SP01 - Neuroarcheology: towards the emergence of human cognition*Chair:* Céline Amiez, FR*Chair:* Jérôme Sallet, FR**SP01.1 Infer the relative development of neuro-cognitive processes (e.g. planning) in modern primates and hominins***Speaker:* Sandrine Prat, FR**SP01.2 On the gestural origins of brain specialization for language: what neuro-ethology of baboons tell us?***Speaker:* Adrien Meguerditchian, FR**SP01.3 Looking for the language hardware***Speaker:* Mercedes Conde-Valverde, ES**SP01.4 Anthropology and neuroscience: from prehistory to cognition***Speaker:* Emiliano Bruner, ES*Special Session*

13:15 - 14:45

Rhône 2

SP02 - Research outside academia - Organized by the Young Researchers' office*Chair:* Sarah Morceau, FR*Chair:* Laure Verret, FR

- SP02.1 **Roundtable**
Speaker: Aurélie Porcheron, FR
Speaker: Benoît Pouyatos, FR
Speaker: Sébastien Delcasso, FR

Special Session
 13:15 - 14:45

Rhône 3

SP03 - Transcriptomics : challenges and perspectives

Chair: Olivier Raineteau, FR

- SP03.1 **Fate specification of Cajal-Retzius neurons in the developing cerebral cortex**
Speaker: Frédéric Causeret, FR
- SP03.2 **Good practices and challenges of big data analysis: organization and essential tools**
Speaker: Julien Prados, CH
- SP03.3 **A system biology perspective to study nervous tissue formation**
Speaker: Marco Mendoza Parra, FR
- SP03.4 **Towards integration in transcriptomics: www.humous.org: a digestible online resource for comparison of corticogenesis across species and conditions**
Speaker: Esther Klingler, CH

Symposium
 15:30 - 17:30

Auditorium Lumière

S08 - Midbrain dopamine neurons influence synaptic plasticity and memory

Chair: Lionel Dahan, FR

- S08.2 **Contribution of D2R expressing-Gabaergic cells on hippocampal synaptic plasticity**
Speaker: Pola Tuduri, FR
- S08.3 **Midbrain dopamine neurons trigger hippocampal long term potentiation and contextual learning**
Speaker: Fares Sayegh, BE
- S08.4 **Dopamine builds and reveals reward-associated latent behavioral attractors**
Speaker: Bruno Delord, FR

Symposium
 15:30 - 17:30

Auditorium Pasteur

S09 - Neuropeptides-induced regulation of astro-neuronal networks and behaviors

Chair: Alexandre Charlet, FR

- S09.1 **Astrocytes involvement in oxytocin-induced modulation of fear**
Speaker: Alexandre Charlet, FR
- S09.2 **Oxytocin-induced regulation of astrocytic gap junctions is involved in anxiolysis**
Speaker: Laura Boi, DE

- S09.3 **Astroglial regulation of oxytocin and maternal behavior**
Speaker: Nathalie Rouach, FR
- S09.4 **An intimate neuron-astrocyte dialogue in infancy determines timely onset of puberty and fertility**
Speaker: Ariane Sharif, FR
- S09.5 **Neuromodulatory Regulation Of Aggressive Behavior By Hpg-Axis Neuropeptides**
V.E. de Moura Oliveira¹, J. Bakker¹
¹University of Liège, Laboratory of Neuroendocrinology, GIGA-Neurosciences, Liege, Belgium
Oral Presenter: Vinícius Elias de Moura Oliveira, BE

Symposium
 15:30 - 17:30

Salon Pasteur

S10 - Theoretical and computational approaches in neuroscience: network neuroscience beyond connectivity

Chair: Brovelli Andréa, FR

- S10.1 **Introduction and description of change of schedule**
Speaker: Demian Battaglia, FR
- S10.2 **Decomposing neural circuit function into information processing primitives**
Speaker: Demian Battaglia, FR
- S10.3 **A toolbox for functional interactions analyses: Group-level inferences on measures of information**
Speaker: Etienne Combrisson, FR
- S10.4 **Using Critical Dynamics To Capture Processes Underlying Brain-Computer Interface Performance**
M.-C. Corsi^{1,2}, P. Sorrentino³, D. Schwartz², N. George², L. Hugueville², A.E. Kahn⁴, S. Dupont², D.S. Bassett⁴, V. Jirsa³, F. De Vico Fallani^{1,2}
¹Inria Paris, Aramis project-team, Paris, France, ²Paris Brain Institute, Paris, France, Paris, France, ³Institut de Neurosciences des Systèmes, Marseille, France, ⁴University of Pennsylvania, Philadelphia, United States
Oral Presenter: Marie-Constance Corsi, FR
- S10.5 **Changing complexity of functional connectivity reconfiguration flow along human epileptic seizures**
Speaker: Nicola Pedreschi, GB
- S10.6 **Abstract graph models of complex space-time organization in space and time to predict sensorimotor adaptation behavior**
Speaker: Jyotika Bahuguna, US

Symposium
 15:30 - 17:30

Rhône 1

S11 - The pupil: taking a peek inside cognitive functions (Symposium proposed by the SPNC)

Chair: Claire Wardak, FR

- S11.1 **How does stimulation of the locus coeruleus affect brain-wide activity in macaques?**

- Speaker: Wim Vanduffel, BE
- S11.2 **Distractibility and impulsivity neural states modulate the implementation of attention information**
Speaker: Julian Amengual, FR
- S11.4 **Pupil diameter, a discriminant parameter in Autism Spectrum Disorders**
Speaker: Claire Wardak, FR
- S11.5 **Pupil Dilation Reflects The Social And Motion Content Of Faces**
C. Ricou¹, V. Rabadan¹, Y. Mofid¹, N. Aquillon-Hernandez¹, C. Wardak¹
¹UMR 1253, iBrain, Université de Tours, Inserm, Tours, France
Oral Presenter: Camille Ricou, FR

Symposium

15:30 - 17:30

Rhône 2

S12 - Role of centrosome/primary cilium during neurodevelopment

Chair: Sophie Thomas, FR

Chair: Marion Delous, FR

- S12.1 **Contributors to mitotic fidelity in the mammalian brain**
Speaker: Renata Basto, FR
- S12.2 **Primary cilia in cell fate specification and neurogenesis in the vertebrate brain**
Speaker: Sylvie Schneider-Maunoury, FR
- S12.3 **Primary cilium-mediated control of vertebrate neuronal differentiation**
Speaker: Raman Das, GB
- S12.4 **Spatiotemporal cilia dynamics in determining neural progenitor cell maintenance in brain organization**
Speaker: Jay Gopalakrishnan, DE
- S12.5 **Eml1-Dependent Centrosomal Alterations And Cell Cycle Deregulation: Primary Events Leading To Subcortical Band Heterotopia Formation**
D. Zaidi^{1,2,3}, K. Chinnappa^{1,2,3}, B. Nur Yiğit⁴, S. Roig Puiggros⁵, E. Klingler⁵, C. Cifuentes-Diaz^{1,2,3}, V. Viola^{1,2,3}, A. Uzquiano^{6,7}, A. Jabali^{8,9,10}, J. Ladewig^{8,9,10}, N. Özlü^{4,11}, D. Jabaudon^{5,12}, F. Francis^{1,2,3}
¹Institut du fer à Moulin, Cortical development and pathology, Paris, France, ²INSERM U1270, Paris, France, ³Sorbonne Université, Paris, France, ⁴Koc University, Department of Molecular Biology and Genetics, Sarıyer/İstanbul, Turkey, ⁵University of Geneva, Department of Basic Neurosciences, Geneva, Switzerland, ⁶Harvard University, Department of Stem Cell and Regenerative Biology, Cambridge, United States, ⁷Stanley Center for Psychiatric Research, Broad Institute of MIT and Harvard, Cambridge, United States, ⁸Central Institute of Mental Health (ZI), Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany, ⁹Hector Institute for Translational Brain Research (HITBR), Mannheim, Germany, ¹⁰German Cancer Research Center (DKFZ), Heidelberg, Germany, ¹¹Koc University, Research Center for Translational Medicine (KUTTAM), Sarıyer/İstanbul, Turkey, ¹²Geneva University

Hospital, Department of Clinical Neurosciences, Geneva,
Switzerland

Oral Presenter: Donia Zaidi, FR

Symposium

15:30 - 17:30

Rhône 3

S13 - Novel common therapeutic targets for rare neurological diseases: lessons from genetic animal models

Chair: Susanna Pietropaolo, FR

Chair: Barbara Bardoni, FR

S13.1 **Fragile X Syndrome as a paradigm to identify treatments for neurodevelopmental disorders**

Speaker: Barbara Bardoni, FR

S13.2 **Implications of abnormal brain development to treat Huntington disease**

Speaker: Sandrine Humbert, FR

S13.4 **Therapeutic approaches for Williams-Beuren syndrome**

Speaker: Victoria Campuzano, ES

S13.5 **Identifying Pharmacological Approaches Targeting Bk Channels To Treat Auditory Impairment In Neurodevelopmental Disorders**

C. Ferraguto¹, T. Peineau², Y. Bouleau², D. Dulon², S. Pietropaolo¹
¹Bordeaux University, CNRS, EPHE, INCIA, UMR5287, Bordeaux, France, ²Bordeaux University, INSERM U1120, Bordeaux, France

Oral Presenter: Celeste Ferraguto, FR

Symposium

15:30 - 17:30

Saint Clair 3

S14 - Cognitive and emotional state monitoring through passive brain-computer interfaces

Chair: Raphaëlle N. Roy, FR

S14.1 **Cognitive and emotional states biomarkers for human-computer interface applications**

Speaker: Aurélie Campagne, FR

S14.2 **Machine learning and software tools for cognitive, affective and conative states estimation from EEG**

Speaker: Fabien Lotte, FR

S14.3 **Passive BCIs for Adaptive Learning in Pedagogical Human-robot Interaction**

Speaker: Maryam Alimardani, NL

S14.4 **Pushing brain computer out of the lab to improve human-technology teaming**

Speaker: Frédéric Dehais, FR

S14.5 **What Ethics Does Neuroethics Bring To Bear On The Issue Of Non-Invasive Neurotechnologies?**

L. tabouy¹

*¹University of Paris-Saclay, ethics and epistemology team, CESP
INSERM-U1018, Villejuif Cedex, France*

Oral Presenter: Laure Tabouy, FR

Plenary Lecture

17:30 - 18:00

Auditorium Lumière

PL02 - Towards an integrative model of the hippocampal formation for episodic and spatial memory

PL02.1

Lecture

Speaker: Ila Fiete, US

Plenary Lecture

18:00 - 18:30

Auditorium Lumière

PL03 - Phenotypic effects of genetic variants associated with autism beyond diagnosis

PL03.1

Lecture

Speaker: Thomas Bourgeron, FR

Thursday, 25. May 2023*Plenary Lecture*

09:00 - 09:30

Auditorium Lumière

PL04 - End of a neuromyth: adult neurogenesis in the mammalian brain

PL04.1

Lecture*Speaker:* Nora Abrous, FR*Poster Session*

09:00 - 17:30

Forums

PS02 - Posters Presentations**1: Neurodevelopment**

P2.001

MODELLING NR2F1 DEFICIENCY IN HUMAN BRAIN ORGANOID

*M. Bertacchi*¹, *M. Jung*², *G. Maharaux*¹, *A. Loubat*¹, *M. Studer*¹
¹iBV - Institut de Biologie Valrose, Inserm U1091, CNRS UMR7277, Université Côte d'Azur, Nice, France, ²GenomEast platform, IGBMC (Institut de Génétique et de Biologie Moléculaire et Cellulaire), Illkirch, France

Poster Presenter: Michel Bertacchi, FR

P2.002

PATHOGENIC TRIO VARIANTS ASSOCIATED WITH NEURODEVELOPMENTAL DISORDERS RELIEVE THE AUTOINHIBITION OF TRIO ACTIVITY AND PERTURB AXON PATHFINDING IN VIVO

*S. Schmidt*¹, *M. Bonnet*¹, *F. Roche*², *C. Fagotto-Kaufmann*¹, *G. Gazdagh*³, *I. Truong*¹, *F. Comunale*¹, *S. Barbosa*¹, *M. Bonhomme*¹, *A.V. Kajava*¹, *D. Baralle*³, *C. Fassier*², *A. Debant*¹
¹CNRS - University of Montpellier, CRBM - Centre de Recherche en Biologie Cellulaire de Montpellier - UMR 5237, Montpellier, France, ²Sorbonne University - CNRS - INSERM, Institut de la Vision, Paris, France, ³University of Southampton - NHS, Faculty of Medicine - Wessex Clinical Genetics Service, Southampton, United Kingdom

Poster Presenter: Susanne Schmidt, FR

P2.003

NEONATAL BRAIN INJURY UNRAVELS TRANSCRIPTIONAL AND SIGNALING CHANGES UNDERLYING THE REACTIVATION OF CORTICAL PROGENITORS

*L. Foucault*¹, *D. Angonin*¹, *C. Lentini*¹, *L. Bezin*², *C. Heinrich*¹, *V. Donega*³, *G. Marcy*^{1,4}, *O. Raineteau*¹
¹Univ Lyon, Université Claude Bernard Lyon 1, Inserm, Stem Cell and Brain Research Institute U1208, BRON, France, ²Univ Lyon, Université Claude Bernard Lyon1, Inserm, centre de recherche en neurosciences de Lyon U1028 - CNRS UMR5292, BRON, France, ³Amsterdam UMC, Department of Anatomy and Neurosciences, CNAB, Amsterdam, Netherlands, ⁴Univ Lyon, Université Claude Bernard Lyon 1, bioinformatic platform of the Labex Cortex, LYON, France

Poster Presenter: Louis Foucault, FR

P2.004

SINGLE CELL ANALYSIS OF THE POSTNATAL DORSAL V-SVZ REVEALS A ROLE FOR BMPRI1-SIGNALING IN SILENCING PALLIAL GERMINAL ACTIVITY

*E. Babina*¹, *G. Marcy*^{1,2}, *L. Foucault*¹, *T. Capeliez*¹, *E. Texeraud*²,

S. Zweifel¹, C. Heinrich¹, H. Hernandez-Vargas³, C. Parras⁴, D. Jabaudon^{5,6}, O. Raineteau¹

¹Université Claude Bernard Lyon 1, Inserm, U1208, Stem-Cell and Brain Research Institute, Bron, France, ²Univ Lyon, Université Claude Bernard Lyon 1, bioinformatic platform of the Labex Cortex, Lyon, France, ³Cancer Research Centre of Lyon (CRCL), CNRS UMR 5286, UCBL1, Université de Lyon, INSERM U 1052, Lyon, France, ⁴Paris Brain Institute, Sorbonne Université, Inserm U1127, CNRS UMR 7225, Hôpital Pitié-Salpêtrière, 75013 Paris, France, Paris, France, ⁵Department of Basic Neurosciences, University of Geneva, Geneva, Switzerland, Geneva, Switzerland, ⁶Clinic of Neurology, Geneva University Hospital, Geneva, Switzerland, Geneva, Switzerland

Poster Presenter: Elodie Babina, FR

P2.005 **IL-22 PROMOTES NEURAL STEM CELL SELF-RENEWAL IN THE THE VENTRICULAR-SUBVENTRICULAR ZONE OF THE ADULT BRAIN**

V. Coronas¹, P. Arnault¹, J.-F. Jégou², L. Cousin¹, H. Rabeony², S. Clarhaut², T. Harnois², J.-C. Lecron^{2,3}, F. Morel²

¹Université de Poitiers, Laboratoire Canaux et Connexines dans les Cancers et les Cellules Souches, Poitiers, France, ²Université de Poitiers, LITEC, Laboratoire Inflammation, Tissus Epithéliaux et Cytokines, UR15560, Poitiers, France, ³Université de Poitiers, Service Immunologie et Inflammation, UBM, CHU de Poitiers, Poitiers, France

Poster Presenter: Valérie Coronas, FR

P2.006 **DECIPHERING THE SENSORY NEURODEVELOPMENTAL COMPONENT IN FRIEDREICH ATAXIA**

L. Hermet¹, M. Paschaki¹, H. Puccio¹

¹UCBL-CNRS UMR 5261, Inserm U1315, Institut NeuroMyoGène INMG - Laboratoire Pathophysiologie et Génétique du Neurone et du Muscle PGNM, Lyon, France

Poster Presenter: Lucie Hermet, FR

P2.007 **EVALUATION OF A PRE/PERINATAL TREATMENT IN A DOWN SYNDROME MOUSE MODEL**

M. Moreau¹, R. Dard¹, J. Kandiah¹, N. Kassis¹, A.-C. Camproux¹, B. Matrot², J. Gallego², J. Dairou³, F. Vialard⁴, N. Janel¹

¹Université Paris Cité, Unité de Biologie Fonctionnelle et Adaptative, Paris, France, ²Université Paris Cité, Neurodiderot, Paris, France, ³Université Paris Cité, Laboratoire de Chimie et Biochimie Pharmacologiques et Toxicologiques, Paris, France, ⁴Université Saint-Quentin-en-Yvelines, Unité de Biologie de la Reproduction, Environnement, Epigénétique et Développement, Montigny-le-Bretonneux, France

Poster Presenter: Manon Moreau, FR

P2.008 **DISTRIBUTION OF OXYTOCIN AND VASOPRESSIN CELLS IN THE DEVELOPING MOUSE BRAIN AND INFLUENCE OF EARLY LIFE STRESS.**

M. HABART¹, A. Soumier^{1,2}, G. Lio^{1,2}, J. Courchet³, C. Demily^{1,2}, A. Sirigu^{1,2}

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Poster Presenter: Marie Habart, FR

P2.009 **VISUALIZATION OF MAP6-POSITIVE MICROTUBULES THROUGHOUT THE NEURONAL MT NETWORK: INPUT OF**

EXPANSION MICROSCOPY*S. Gory-Fauré¹, E. Denarier^{1,2}, J. Wu¹, I. Arnal¹, A. Andrieux^{1,2}**¹Univ. Grenoble Alpes, Inserm U1216, Grenoble Institut des Neurosciences, Grenoble, France, ²CEA-IRIG, Grenoble, France**Poster Presenter: Sylvie Gory-Fauré, FR*

P2.010

BIRTH AND SEROTONIN-SENSITIVE PERIOD SUPPORTS PLASTICITY OF THALAMIC AXONS ACROSS CORTICAL AREAS*A. Sinclair-Wilson¹, A. Lawrence², I. Ferezou³, H. Cartonnet², C. Mailhes⁴, S. Garel^{2,5}, L. Lokmane²**¹Institut de Biologie de l'ENS (IBENS), École Normale Supérieure, CNRS, INSERM, PSL Research University, Paris, France, ²Institut de Biologie de l'ENS (IBENS), École Normale Supérieure, CNRS, INSERM, PSL Research University, Brain Development and Plasticity Team, Paris, France, ³Université Paris-Saclay, CNRS, Institut des Neurosciences Paris-Saclay, Saclay, France, ⁴Institut de Biologie de l'ENS (IBENS), École Normale Supérieure, CNRS, INSERM, PSL Research University, Acute Transgenesis Facility, Paris, France, ⁵Collège de France, PSL Research University, Paris, France**Poster Presenter: Ludmilla Lokmane, FR*

P2.011

IMPLEMENTATION OF AN EXPANSION MICROSCOPY PROTOCOL TO UNDERSTAND THE PHYSICAL COUPLING BETWEEN THE REISSNER FIBER AND NORADRENALINE IN THE CEREBROSPINAL FLUID DURING THE MORPHOGENESIS OF THE EMBRYONIC AXIS*Z. El bourakkadi¹, C. Lovo¹, D. Akbar¹, Y. Cantaut-Belarif¹**¹Sorbonne Université (SU), Institut du Cerveau (ICM), Inserm U 1127, CNRS UMR 7225, Paris, France**Poster Presenter: Zaineb El bourakkadi, FR*

P2.012

DLX5/6 INVOLVEMENT IN THE POSTNATAL MATURATION OF CORTICAL PARVALBUMIN NEURONS DURING CRITICAL PERIODS*N. Narboux-Nême¹, R. Aouci¹, A. Vion¹, L. Belz¹, A. Fontaine¹, G. Levi¹**¹UMR7221-Phyma CNRS/MNHN, Paris, France**Poster Presenter: Nicolas Narboux-Nême, FR*

P2.013

HYPERLEPTINEMIA INDUCED BY OBESOGENIC MATERNAL DIET ALTERS THE HIPPOCAMPAL EXCITATION/INHIBITION BALANCE IN MICE OFFSPRING*M. BROSSET-HECKEL¹, Y. BELAIDOUNI¹, D. DIABIRA¹, G. WAYMAN², J.-L. GAIARSA¹**¹Aix-Marseille University UMR1249, Institut de Neurobiologie de la Méditerranée, Institut National de la Santé et de la Recherche Médicale Unité 1249, Marseille, France, ²Washington State University, Department of Integrative Physiology and Neuroscience, Pullman, United States**Poster Presenter: Mélanie Brosset-Heckel, FR*

P2.014

DISSECTING THE CONTRIBUTION OF NORADRENERGIC SIGNALING IN THE REISSNER FIBER-DEPENDENT STRAIGHTENING OF THE BODY AXIS*C. COLART¹, Z. El Bourrakadi¹, A. Krishnamurthy¹, F.-X. Lejeune¹, Y. Cantaut-Belarif¹**¹Sorbonne Université (SU), Institut du Cerveau (ICM), Inserm U 1127, CNRS UMR 7225, Paris, France*

Poster Presenter: Clothilde Colart, FR

- P2.015 **NEURODEVELOPMENTAL ORIGIN OF CORTICAL SATELLITE CELLS**
E. Rodrigues¹, L. Dumas¹, J. Durand¹, K. Loulier¹
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 Poster Presenter: Edson Rodrigues, FR
- P2.016 **NEUROINFLAMMATORY MECHANISMS OF PAIN HYPERSENSITIZATION IN A MOUSE MODEL OF ATTENTION DEFICIT/HYPERACTIVITY DISORDER (ADHD)**
S. Bou Sader Nehme^{1,2}, S. Sanchez-Sarasua¹, M. Tuifua¹, E. Boue-Grabot¹, W. Hleihel², M. Landry¹
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 Poster Presenter: Sarah Bou Sader Nehme, FR
- P2.017 **ROLE OF MECP2 EXPRESSION DURING EARLY PRIMATE CORTICOGENESIS**
K. Nikolla¹, V. Cortay¹, D. Patti¹, A. Bellemin-Ménard¹, N. Doerflinger¹, A. Fendler¹, F. Wianny¹, C. Dehay¹
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 Poster Presenter: Kamela Nikolla, FR
- P2.018 **MEASUREMENT OF METABOLIC ACTIVITY AND MATURATION OF BLOOD BRAIN INTERFACES IN DEVELOPING RAT CHOROID PLEXUSES.**
L. Monteiro¹, C. Durand², O. Raineteau³, N. Strazielle², J.-F. Ghersi-Egea², J. Courchet¹
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 Poster Presenter: Laloé Monteiro, FR
- P2.019 **ANTERIOR CINGULATE CORTEX HYPERACTIVITY IN A MOUSE MODEL OF ATTENTION-DEFICIT/HYPERACTIVITY DISORDER AND PAIN COMORBIDITY**
S. Sanchez-Sarasua¹, S. Bou Sader Nehme¹, M. Tuifua¹, O. Bouchatta², M. Landry¹
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 Poster Presenter: Sandra Sanchez-Sarasua, FR
- P2.020 **INTRINSIC NEURONAL PROGRAMMING IS SUFFICIENT TO DRIVE PROPER NEURONAL IDENTITY AND CONNECTIVITY IN THE SOMATOSENSORY CORTEX OF TWO MOUSE MODELS OF GREY MATTER HETEROTOPIA**
A. Fortoul¹, S. Roig-Puiggros², D. Suchkov¹, F. Francis³, S. Cappello⁴, M. Minlebaev¹, D. Jabaudon^{2,5}, F. Watrin¹, J.-B. Manent¹
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Poster Presenter: Aurélien Fortoul, FR

- P2.021 **THE *PTCHD1* GENE, INVOLVED IN X-LINKED NEURODEVELOPMENTAL DISORDERS, IS A MAJOR REGULATOR OF CYTOSKELETON REMODELING AT SYNAPSE.**
D. Ung¹, S. Marouillat¹, J. Halewa¹, F. Laumonnier¹
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 Poster Presenter: Dévina Ung, FR
- P2.022 **DIRECT EFFECTS OF THYROID HORMONE ON THE MATURATION OF PARVALBUMIN NEURONS IN THE MOUSE CORTEX**
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 Poster Presenter: Juan Ren, FR
- P2.023 **IN MICE AND HUMANS, BRAIN MICROVASCULAR CONTRACTILITY MATURES POSTNATALLY**
L. Slaoui¹, A. Gilbert¹, A. Rancillac¹, B. Delaunay-Piednoir¹, A. Chagnot², Q. Gerard², G. Letort¹, P. Maily¹, N. Robil³, A. Gelot⁴, M. Lefebvre⁵, M. Favier⁶, K. Dias⁷, L. Jourden⁷, L. Federici⁸, S. Auvity⁹, S. Cisternino⁹, D. Vivien¹⁰, M. Cohen-Salmon¹, A.-C. Boulay¹
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 Poster Presenter: Anne-Cécile Boulay, FR
- P2.024 **READY, STEADY, GO! IS ATTENTION TO ODOR A RHYTHMIC PROCESS IN RATS ?**
J.J. Walker¹, S. Garcia¹, B. Messaoudi¹, E. Courtiol¹
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 Poster Presenter: Jean Jacques Walker, FR

- P2.025 **THE PELVIC GANGLION IS A DIVERGENT OUTPOST OF THE SYMPATHETIC CHAINS**
M. Sivori¹, O. Mirabeau², H. Rohrer³, J.-F. Brunet¹
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 Poster Presenter: Margaux Sivori, FR
- P2.026 **A NOVEL PATHWAY TO REGULATE SPLICING IN NEURONS: NUA1 REGULATES NEURONAL SPLICING EVENTS THROUGH ITS INTERACTION WITH NUCLEAR SPECKLE PROTEIN SON**
M. Kerkhofs¹, J. Tait-Mulder², D. Sumpton², G. Meyer-Dilhet¹, H. Polveche³, L. Quatreuille⁴, A. Zanzoni⁴, C. Brun⁴, C. Bourgeois⁵, E.-Y.E. Ahn⁶, E. Goillot¹, J. Courchet¹
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 Poster Presenter: Martijn Kerkhofs, FR
- 2: Neuro-excitability, synapse and glia**
- P2.031 **RADIAL ASTROCYTE SYNCHRONIZATION MODULATES THE VISUAL SYSTEM DURING BEHAVIORAL-STATE TRANSITIONS**
A. Uribe¹, E. Marachlian¹, G. Sumbre¹
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 Poster Presenter: Alejandro Uribe, FR
- P2.032 **ACTIVITY-INDUCED GAP JUNCTION MODULATION IN THE MESENCEPHALIC TRIGEMINAL NUCLEUS**
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 Poster Presenter: Federico Davoine, UY
- P2.033 **CORE PCP PROTEIN VANGL2 IS ESSENTIAL TO THE STRUCTURAL AND FUNCTIONAL DEVELOPMENT OF THE HIPPOCAMPAL MOSSY FIBER BOUTON/THORNY EXCRESCENCES (MFB/TE) SYNAPSE.**
M. Gleizes¹, N. Depret¹, G. Barthelet², C. Mulle², C. Racca³, M. Montcouquiol¹, N. Sans¹
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 Poster Presenter: Marie Gleizes, FR
- P2.034 **AN EXTRACELLULAR COMPLEX BETWEEN PUNCTIN/MADD-4 AND COLLAGEN XVIII/CLE-1 CONTROLS SYNAPSE IDENTITY AT C. ELEGANS NEUROMUSCULAR JUNCTIONS**
M. Cizeron¹, L. Granger¹, A. Dumas¹, O. Romatif¹, C. Vachon¹, J.-L.

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 Neuromyogène, Lyon, France
 Poster Presenter: Mélissa Cizeron, FR
- P2.035 **DEVELOPMENT OF AN APPROACH TO ISOLATE
 MICROGLIA AND ASTROCYTES FROM ADULT MOUSE
 BRAIN WITHOUT GENE ACTIVATION**
V. Garcia¹, G. Stym-Popper², C. Escartin³, G. Dorothee⁴, H.
 Hirbec¹
¹IGF, Montpellier, France, ²Institut Cochin, Paris, France, ³CEA,
 Paris, France, ⁴CRSA, Paris, France
 Poster Presenter: Valentin Garcia, FR
- P2.036 **TOOLS FOR DECIPHERING THE MOLECULAR
 MECHANISMS INVOLVED IN ATP RELEASE BY
 ASTROCYTES USING BIOSENSORS**
N. Ahmadi^{1,2}, N. Linck¹, V. Compan^{1,2}, F. Rassendren^{1,2}
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 Montpellier, France
 Poster Presenter: Negar Ahmadi, FR
- P2.037 **GLUTAMATE RECEPTOSOME DYNAMICS AT SYNAPSES
 CONTROLS PLASTICITY**
E. Moutin¹, S. Sakkaki¹, V. Compan¹, N. Bouquier¹, M. Besson¹, F.
 Giona², J. Areias¹, E. Goyet³, A.-L. Hemonnot-Girard¹, V. Seube¹,
 B. Glasson¹, N. Benac³, Y. Chastagnier¹, F. Raynaud⁴, E. Audinat¹,
 L. Groc³, T. Maurice⁵, C. Sala², C. Verpelli², J. Perroy¹
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 Poster Presenter: Enora Moutin, FR
- P2.038 **ROLE OF ASTROCYTES IN MAINTAINING ENERGY
 BALANCE AND CONSEQUENCES OF THEIR ADAPTATION
 TO A HIGH CALORIE DIET**
C. Léger¹, L. Lecoine², J. Castel¹, A. Ansoult¹, C. Franco³, D. Li³, N.
 Rouach², S. Luquet¹, C. Martin¹
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 Sorbonne Université, Neurosciences Paris Seine, Paris, France
 Poster Presenter: Caroline Léger, FR
- P2.039 **FUNCTIONALLY ORGANIZED ASTROCYTES NETWORKS
 ARE ESSENTIAL FOR OT-INDUCED MODULATION OF
 AMYGDALA NEURONAL NETWORKS AND RELATED
 BEHAVIORS**
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 Strasbourg, France
 Poster Presenter: Grelot Valentin, FR
- P2.040 **DECIPHERING THE DYNAMIC OF CEREBROVASCULAR
 REACTIVITY TO HYPERCAPNIA AND NEUROVASCULAR
 COUPLING**
M. Tournissac^{1,2}, A.-K. Aydin¹, E. Chaigneau¹, Y. Goulam

Houssen¹, S. Pfister³, M. Collot³, A. Joutel², S. Charpak¹
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 Poster Presenter: Marine Tournissac, FR

P2.041 **DYNAMIC CALCIUM SIGNALS OF OLIGODENDROGLIA IN DEMYELINATED LESIONS**
 R. Bancel Vega¹, D.A. Maas¹, M.C. Angulo^{1,2}
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 Poster Presenter: Roxane Bancel Vega, FR

P2.042 **HOW KV2.1 CONTRIBUTES TO DENDRITE ACTIVE PROPERTIES?**
 A.-L. Paupiah^{1,2,3}, M. Rousseau^{1,2,3}, M. Renner^{1,2,3}
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 Poster Presenter: Anne-Lise Paupiah, FR

P2.043 **NANOBODY-BASED SENSORS REVEAL A HIGH PROPORTION OF MGLU HETERODIMERS IN THE BRAIN.**
 P.-A. Lafon¹, J. Meng^{1,2}, C. Xu², S. Roux¹, M. Mathieu¹, R. Zhou², P. Scholler¹, E. Blanc¹, J.AJ Becker^{3,4}, J. Le Merrer^{3,4}, J. González-Maeso⁵, P. Chames⁶, J. Liu², J.-P. Pin¹, P. Rondard¹
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 Poster Presenter: Pierre-André Lafon, FR

P2.044 **NEURONAL EPILEPTIFORM ACTIVITY INDUCES SYNCHRONOUS MICROGLIAL CALCIUM SIGNALING THROUGH P2Y12 RECEPTOR ACTIVATION**
 E. Avignone¹, G. Cignitti², A. Panatier¹, N. Marchi², E. Audinat²
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 Poster Presenter: Elena Avignone, FR

P2.045 **TOWARDS A COMPREHENSIVE CHARACTERIZATION OF IONOTROPIC ACETYLCHOLINE RECEPTORS IN C. ELEGANS**
 B. Pinan-Lucarre¹, M. Mialon¹, L. Patrash¹, J.-L. Bessereau¹
¹MeLIS, Lyon, France
 Poster Presenter: Berangere Pinan-Lucarre, FR

P2.046 **AN ANALGESIC PATHWAY FROM PARVOCELLULAR OXYTOCIN NEURONS TO THE PERIAQUEDUCTAL GRAY IN RATS**

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Poster Presenter: Etienne Clauss--Creusot, FR

P2.047 **ROLE OF THE CASR ON NEURONAL EXCITABILITY IN CA1 HIPPOCAMPAL REGION**

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Poster Presenter: Konstantina Mylonaki, FR

P2.048 **REAL-TIME MONITORING OF MULTIPLE SIGNALING PATHWAYS IN SINGLE NEURONS IN FREELY BEHAVING MICE USING COMBINED FLUORESCENCE AND BRET MICROSCOPY.**

V. Szabo¹, Y. Chastagnier¹, S. Sakkaki¹, F. Jozsua², N. Bouquier¹, C. Ventalon², J. Perroy¹

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Poster Presenter: Vivien Szabo, FR

P2.049 **CENTRAL AMYGDALA ASTROCYTIC OXYTOCIN RECEPTOR MEDIATES BEHAVIORAL ADAPTATION IN MICE**

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Poster Presenter: Angel Baudon, FR

P2.050 **PHYSIOLOGICAL FUNCTION OF THE AMYLOID PRECURSOR PROTEIN (APP) IN GABAERGIC TRANSMISSION WITHIN THE CA3 CIRCUIT**

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Poster Presenter: Anaël Erhardt, FR

P2.051 **DEVELOPMENTAL CELL DEATH OF OLIGODENDROGLIA IS REQUIRED FOR COGNITIVE FLEXIBILITY IN MICE**

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Poster Presenter: Cristobal Ibaceta-González, FR

3: Neurological and psychiatric diseases, experimental therapeutics

P2.056 **CONNECTING METABOLIC AND EPIGENETIC DYSREGULATIONS IN HUNTINGTON'S DISEASE**

N. Penaud^{1,2}, B. Brulé^{1,2}, R. Alcalá-Vida^{1,2}, C. Decraene^{1,2}, B. Cosquer^{1,2}, A.-L. Boutillier^{1,2}, S. Betuing³, E. Brouillet⁴, D. Pflieger⁵, K. Merienne^{1,2}

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Poster Presenter: Noémie Penaud, FR

P2.057

GAO-3-02 PREVENTS SEIZURE AND ASSOCIATED COGNITIVE IMPAIRMENTS

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Poster Presenter: Amor Belmeguenai, FR

P2.058

GLUNOMAB IMMUNOTHERAPY: A NOVEL MECHANISM OF ACTION FOR THE TREATMENT OF PARKINSON'S DISEASE

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Poster Presenter: Nathalie Delétage, FR

P2.059

FLUOXETINE REGULATES DLX5/6 EXPRESSION IN GABAERGIC NEURONS THROUGH TRKB SIGNALLING PATHWAY: IMPLICATIONS FOR ITS ANTIDEPRESSANT MODE OF ACTION

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Poster Presenter: Rym Aouci, FR

P2.060

NICOTINE EXPOSURE DURING ADOLESCENCE DISRUPTS THE DOPAMINERGIC CIRCUITRY IN THE VENTRAL TEGMENTAL AREA

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Poster Presenter: Daiana Rigoni*, FR

P2.061

THE CHAPERONE DNAJB6 FORMS HOT-SPOTS THAT DELINEATE THE NEURONAL A-SYNUCLEIN INCLUSIONS SEEDED BY EXOGENOUS FIBRILS IN PRIMARY CULTURES AND IN VIVO IN NON-TRANSGENIC MICE.

- A. Letourneur*^{1,2}, *M. Kashyrina*³, *F. De Nuccio*³, *F. Laferrière*⁴, *M. Psomiades*², *D.D. Lofrumento*³, *F. De Giorgi*⁴, *F. Ichas*⁴
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 Poster Presenter: Aenora Letourneur, FR
- P2.062 **ROLE OF ALPHA SYNUCLEIN IN SONG LEARNING IN ZEBRA FINCH**
*H. de LA SEIGLIÈRE*¹, *A. Retallau*¹, *A. Letourneur*¹, *F. Laferrière*¹, *T. Boraud*¹, *F. Ichas*¹, *A. Leblois*¹, *F. De Giorgi*¹
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 Poster Presenter: Hortense de LA SEIGLIÈRE, FR
- P2.063 **GENERATION OF GLUTAMATERGIC INDUCED NEURONS IN THE EPILEPTIC HIPPOCAMPUS BY IN VIVO LINEAGE REPROGRAMMING OF RESIDENT GLIA**
*M. d'Orange*¹, *C. Moncler*¹, *E. Hunter*¹, *M.-M. Trottmann*¹, *L. Sonam*¹, *C. Lentini*¹, *C. Heinrich*¹
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 Poster Presenter: Marie d'Orange, FR
- P2.064 **STRUCTURAL ORGANIZATION OF THE AXON INITIAL SEGMENT IN NEURONS OF HUNTINGTON'S DISEASE MODEL**
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 Poster Presenter: Rayan Dawod, FR
- P2.065 **INVOLVEMENT OF INHIBITORY NEURONS IN MOUSE MODELS OF AMYOTROPHIC LATERAL SCLEROSIS AND FRONTOTEMPORAL DEMENTIA**
*E. Lorenc*¹, *V. Kan*^{2,3}, *L. Dupuis*¹, *S. Liebscher*², *R. Cassel*¹
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 Poster Presenter: Félicie Lorenc, FR
- P2.066 **OVERCOMING A-SYN ANTIBODY CONFORMATIONAL BIASES FOR THE EXTRACTION, QUANTIFICATION AND BIOACTIVITY ASSESSMENT OF A-SYN AGGREGATES IN BIOLOGICAL SAMPLES.**
*L. Sabatier*¹, *A. Letourneur*¹, *S. Claverol*¹, *F. De Giorgi*¹, *F. Ichas*¹, *F. Laferrière*¹
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 Poster Presenter: Ludivine Sabatier, FR
- P2.067 **IMPACT OF ADAPTIVE INFLAMMATORY CUES ON MICROGLIA-NEURON CONTACTS AT THE NODE OF RANVIER IN MULTIPLE SCLEROSIS AND EAE**
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Poster Presenter: Anne Desmazieres, FR

P2.068

TOFACITINIB ALLEVIATES MECHANICAL SENSITIVITY IN INFLAMMATORY ANIMAL MODELS

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Poster Presenter: Marie Tuifua, FR

P2.069

A NOVEL PEPTIDE DERIVED FROM VASCULAR ENDOTHELIAL GROWTH FACTOR PREVENTS AMYLOID BETA AGGREGATION AND TOXICITY IN ALZHEIMER'S DISEASE MODELS

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Poster Presenter: Claire Meissirel, FR

P2.070

NEUROANATOMICAL BASIS FOR THE ANTI-NOCICEPTIVE ROLE OF THE RELAXIN-3/RXFP3 PEPTIDERGIC SYSTEM.

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Poster Presenter: Thibault Dhellemmes, FR

P2.071

FOOD AVOIDANCE IN ANOREXIA NERVOSA PATIENTS: A GAZE CONTROL STUDY ASSOCIATED WITH FOOD EVALUATION AND PREFERENCE TASKS.

G.Z. Amale^{1,2,3}, S. Ludwig^{4,5}, B. Alexandre^{1,6}, D. Justine⁴, R. Mathilde⁴, T.G. Astrid⁴, M. Elise⁴, H. Amira^{1,2,3}, V. Marie-Claire⁷, N. Germain^{3,1,2}, M. Catherine^{6,1,2}, G. Bogdan^{1,2,3}, T. Léon^{4,5}

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Poster Presenter: Geandrot Zemmahi Amale, FR

- P2.072 **IN VIVO MODULATION OF PERIPHERAL LYMPHOCYTE SUBSETS AND GENES EXPRESSION IN MULTIPLE SCLEROSIS PATIENTS TREATED WITH HIGH DOSES OF VITAMIN D.**
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Poster Presenter: Manon Galoppin, FR
- P2.073 **MICROBIOTA AND ALZHEIMER'S DISEASE: THE MICMALZ COHORT**
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Poster Presenter: Sylvie Claeysen, FR
- P2.074 **NEW DATA ON KETAMINE-INDUCED BEHAVIOURAL RESPONSES IN AN ANIMAL MODEL FOR SCHIZOPHRENIA**
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Poster Presenter: Alain Louilot, FR
- P2.075 **DEFINING THE THERAPEUTIC WINDOW OF A NOVEL GENE THERAPY APPROACH IN FRIEDREICH ATAXIA**
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Poster Presenter: Laure Dall'Agnol, FR
- P2.076 **DISSECTING AND IDENTIFYING SPECIFIC SIGNATURES OF KEY MOLECULAR ALTERATIONS UNDERLYING CEREBELLAR CELL-TYPE VULNERABILITY ACROSS CEREBELLAR ATAXIAS**
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Poster Presenter: Andrea Del Bondio, FR
- P2.077 **EVALUATION OF PLEIOTROPIC PRODRUGS WITH POTENTIAL THERAPEUTIC INTEREST IN DOWN SYNDROME AND ALZHEIMER'S DISEASE**
T. Curel¹, M. Jouanne², V. Travers-Lesage², A. Wang², C. Lecoutey², A.-C. Groo², S. Corvaisier², A. Davis², M. Since², J.-M. Billard³, T. Fréret³, A. Malzert-Fréon², C. Rochais², M. Boulouard³, M.-C. Potier⁴, P. Dallemagne², S. Claeysen¹
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Poster Presenter: Thomas Curel, FR

P2.078

ASSESSMENT OF THE PSYCHEDELIC 5-MEO-DMT FOR ANXIOLYTIC AND ANTIDEPRESSANT-LIKE EFFECTS

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Poster Presenter: Romain Hacquet, FR

P2.079

HIPPOCAMPAL ADULT NEUROGENESIS AND AREA CA2 IN ALZHEIMER'S DISEASE: AN APPROACH USING 3R-TAU IMMUNOLABELING

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Poster Presenter: Lola Fauré, FR

P2.080

REPETITIVE DIRECT CATHODAL CURRENT TRANSCRANIAL STIMULATION (C-TDCS) TARGETING THE LEFT FRONTAL CORTEX ATTENUATES THE EXPRESSION OF AN ANXIO-DEPRESSIVE-LIKE PHENOTYPE IN LATE STAGE NEUROPATHIC MICE WITHOUT ALLEVIATING THE MECHANICAL ALLODYNIA

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Poster Presenter: Bahrie Ramadan, FR

P2.081

TWO POLYGENIC MOUSE MODELS OF MAJOR DEPRESSIVE DISORDERS IDENTIFIED TWO GENES AS BIOMARKERS OF THE DISEASE AND THE TREATMENT RESPONSE

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Poster Presenter: Claire Altersitz, FR

P2.082

MAPPING OF CB2 RECEPTOR IN THE HEALTHY AND INFLAMMATORY MOUSE BRAIN: A TRANSCRIPTIONAL STUDY AT THE TISSUE AND CELL LEVELS

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Poster Presenter: Anne Ruiz, FR

P2.083

CHARACTERIZATION OF HIPSC-DERIVED ENDOTHELIAL CELLS: ROLE IN CEREBRAL AMYLOID ANGIOPATHY RELATED TO ALZHEIMER'S DISEASE.

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Poster Presenter: Louis Valay, FR

P2.084

ASSESSMENT OF DIFFERENTIAL SPLICING OF GENES INVOLVED IN MOTOR NEURON DISEASES IN NEURONAL AND NON-NEURONAL CELLS, BY LONG-READ SEQUENCING: PROOF OF CONCEPT IN THE SPG11 GENE

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Poster Presenter: Marion Leblanc, FR

P2.085

BRAIN PENETRATION OF CAMELID SINGLE-DOMAIN ANTIBODIES (VHH) : A PRIVILEGE OR A MORE COMMON TRAIT?

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Poster Presenter: Mireille Elodie Tsitokana, FR

P2.086

TITANIUM DIOXIDE AND CARBON BLACK NANOPARTICLES INDUCE MOLECULAR SIGNS OF ALZHEIMER'S DISEASE VIA INTERACTION AND EXCESSIVE STIMULATION OF CELLULAR PRION PROTEIN SIGNALING FUNCTION

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Poster Presenter: Anna Bencsik, FR

P2.087

CHRONIC NICOTINE DISRUPTS TOP-DOWN HABENULAR CONTROL OVER CHOLINERGIC SIGNALS GATING MOTIVATION

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Poster Presenter: Renan Campos, FR

P2.088

REPEATED ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) DURING ADOLESCENCE MODULATES PARVALBUMIN EXPRESSION IN THE MOUSE PREFRONTAL CORTEX

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Poster Presenter: Stéphanie Dumontoy, FR

P2.089

GUT-DERIVED METABOLITES AS MODULATORS OF BRAIN INFLAMMATION.

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Poster Presenter: Quentin Leyrolle, FR

P2.090

DELAYING PUNISHMENT MAGNIFIES INDIVIDUAL DIFFERENCES IN BREAK POINTS IN A PROGRESSIVE SHOCK STRENGTH PROCEDURE

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Poster Presenter: Marcello Solinas, FR

P2.091

EVOLUTION WITH AGING OF SLEEP MICROARCHITECTURE IN MICE ACCUMULATING NEUROMELANIN IN CATECHOLAMINERGIC NEURONS, A NEW HUMANIZED PARKINSON'S DISEASE MODEL

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Poster Presenter: Patrice Fort, FR

- P2.092 **FATIGUE AND DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH INFLAMMATION-RELATED ALTERATIONS IN GTP-CH1 ENZYMATIC PATHWAY IN OBESE SUBJECTS**
*J. Montet*¹, *E. Montalban*¹, *S. Dexpert*¹, *B. Aouizerate*^{1,2,3}, *C. Beau*⁴, *D. Forestier*⁵, *P. Ledaguenel*⁴, *E. Magne*⁵, *D. Fuchs*⁶, *L. Capuron*¹
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 Poster Presenter: Juliette Montet, FR
- P2.093 **DECIPHERING THE CONTRIBUTION OF THE PARVALBUMIN-EXPRESSING NEURONS IN THE MOTOR, COGNITIVE AND SOCIAL ALTERATIONS IN A MOUSE MODEL OF LEIGH SYNDROME**
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 Poster Presenter: Laura Cutando Ruiz, ES
- P2.094 **RGS8 A NEW PROTEIN INVOLVED IN PARANEOPLASTIC CEREBELLAR ATAXIAS**
L.D. DO^{1,2}, *N. Lundahl Ciano-Petersen*^{1,2}, *J. Perrot*³, *L. Khatib*^{1,2}, *R. Miske*⁴, *M. Scharf*⁴, *M. Villagrán-García*^{1,2}, *V. Rogemond*^{1,2}, *J.-P. Camdessanché*^{1,2,5}, *C. Tranchant*⁶, *J.-C. Antoine*^{1,2,5}, *L. Komorowski*⁴, *A. Traverse-Glehen*³, *J. Honnorat*^{1,2}
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 Poster Presenter: Le Duy Do, FR
- P2.095 **REESTABLISHMENT OF DAMAGED ADULT MOTOR PATHWAYS BY GRAFTED MOTOR CORTICAL NEURONS FROM HUMAN PLURIPOTENT STEM CELLS**
*A.D. GOVINDAN*¹, *H. EL HAJJ*¹, *A. LAINE*¹, *O. RABESANDRATANA*¹, *A. RETHO*¹, *M.-L. BONNET*^{1,2}, *L. BELNOUE*^{1,2}, *S. BROT*¹, *A. GAILLARD*¹
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Poster Presenter: Annousha Devi Govindan, FR

4: Integrative, sensory and motor neuroscience

- P2.100 **DYSFUNCTION OF CORTICAL INHIBITORY INTERNEURONS IN AMYOTROPHIC LATERAL SCLEROSIS**
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Poster Presenter: Alexandra Lackmy-Vallée, FR
- P2.101 **DISTRIBUTION, MORPHOLOGY AND PROPERTIES OF CSF-CONTACTING NEURONS ALONG THE MOUSE SPINAL CORD**
E. Crozat¹, E. Blasco¹, J. Ramirez-Franco¹, C. Michelle¹, J. Trouslard¹, N. Wanaverbecq¹
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Poster Presenter: Elysa Crozat, FR
- P2.102 **GABAERGIC NEURONS OF THE PREBÖTZINGER COMPLEX IN THE BRAINSTEM DRIVE RESPIRATORY MODULATION OF HEART RATE AND BLOOD PRESSURE**
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Poster Presenter: Ambre Linossier, FR
- P2.103 **DISTINCT ROLE OF RODS IN THE LIGHT RESPONSE OF THE RETINAL AND THE SCN CLOCK: C-FOS CELLULAR APPROACH**
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- P2.104 **NEURONAL AND PHYSIOLOGICAL CORRELATES OF THE APPEASING EFFECT OF A PLEASANT SMELL**
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Poster Presenter: Valentin Ghibaudo, FR
- P2.105 **EVOLUTION OF SLOW AND FAST OSCILLATORY NEURAL NETWORKS DURING LEARNING OF AN OLFACTORY DISCRIMINATION TASK IN RAT**
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Poster Presenter: Nicolas Fourcaud-Trocmé, FR

- P2.106 **SOCIAL DEFEAT INDUCES REM SLEEP FRAGMENTATION THROUGH THE PFC-VLPO PATHWAY**
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Poster Presenter: Mathilde Chouvaeff, FR
- P2.107 **ANATOMICAL AND FUNCTIONAL DIVERSITY OF V2A RETICULAR NEURONS IN CONTROLLING MOTOR ACTIONS**
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Poster Presenter: Alexis d'Humières, FR
- P2.108 **ENCODING OF SOUND CATEGORIES IN THE MOUSE AUDITORY BRAINSTEM**
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Poster Presenter: Etienne Gosselin, FR
- P2.109 **PUPILLARY HIPPIUS AND ITS VARIATION IN DIFFERENT TOP-DOWN AND BOTTOM-UP CONDITIONS**
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Poster Presenter: Vivien Rabadan, FR
- P2.110 **RETINOIC ACID RECEPTOR BETA (RARβ) PROTECTS STRIATOPALLIDAL MEDIUM SPINY NEURONS FROM NEURODEGENERATION - RELEVANCE FOR RARE DISEASES**
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Poster Presenter: Nicolas Zinter, FR
- P2.111 **INFLUENCE OF SLEEP DEPRIVATION ON INSPIRATORY ENDURANCE IN RODENTS: BEHAVIOURAL APPROACH AND UNDERLYING NEURONAL MECHANISMS**
E. VAN CAMP^{1,2}, W.-P. WESTPHAL^{1,2}, P.-O. FERNAGUT¹, X. DROUOT^{1,2}
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Poster Presenter: Eloïse Van Camp, FR
- P2.112 **INVESTIGATING FA PHYSIOPATHOLOGY IN HUMAN IPSC-DERIVED DRG ORGANOIDs**
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Poster Presenter: Valentine Mosbach, FR
- P2.113 **PLANARIANS AS AN EMERGENT MODEL FOR THE DEVELOPMENT AND SCREENING OF ANTINOCICEPTIVE**

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Poster Presenter: Guillaume Reho, FR

- P2.114 **EARLY-LIFE OLFACTORY EXPERIENCE SHAPES THE CONNECTIVITY OF THE ODORANT-RESPONDING BRAIN NETWORK IN MICE.**
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 Poster Presenter: Brunel Théo, FR
- P2.115 **CHARACTERIZATION OF THE CEREBELLAR PROJECTIONS TO THE HIPPOCAMPUS**
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 Poster Presenter: Xhensjana Zenelaj, FR
- P2.116 **LAMINAR DYNAMICS OF BETA ACTIVITY IN PRIMARY MOTOR CORTEX**
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 Poster Presenter: Siqi Zhang, FR
- P2.117 **MULTIVARIATE BRAIN SIGNATURE APPROACH TO DETECT BRAIN ACTIVITY PATTERN PREDICTING PAIN MODULATION**
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 Poster Presenter: Laura Malaguti Modernell, FR
- P2.118 **DYNAMIC CORTICO-CORTICAL INTERACTIONS ALONG VISUOMOTOR PATHWAYS**
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 Poster Presenter: Georgios Bardanikas, FR
- P2.119 **WHAT IS A RHYTHMIC CONTEXT FOR THE BRAIN? INSIGHTS INTO THE MECHANISMS OF TEMPORAL PREDICTIONS.**
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 Poster Presenter: Pierre Bonnet, FR
- P2.120 **INVESTIGATION OF MECHANISMS UNDERLYING GLIA-**

- DEPENDENT MOTOR ARREST**
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Poster Presenter: Mahalakshmi Dhanasekar, FR
- P2.121 **INVOLVEMENT OF SEROTONERGIC DESCENDING PATHWAY IN PAIN IN A MOUSE MODEL OF PARKINSONISM**
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Poster Presenter: Zoé Grivet, FR
- P2.122 **TRANSPLANTATION OF IPSC-DERIVED DOPAMINE NEURONS IN ALPHA-SYNUCLEIN OVEREXPRESSION MOUSE MODEL: EFFECT OF THE GRAFT SITE ON HOST TO GRAFT ALPHA-SYNUCLEIN PROPAGATION AND GRAFT INTEGRATION**
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- P2.123 **STRONGER ALPHA AND BETA POWER IN NEUROTYPICAL ADULTS IS RELATED TO MORE EFFICIENT ANTICIPATORY POSTURAL CONTROL IN THE BIMANUAL LOAD-LIFTING TASK**
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Poster Presenter: Viktoriya Manyukhina, FR
- P2.124 **SPINAL INHIBITION SHAPES THE SENSORY MODALITY PROFILE OF DORSAL HORN NEURONS.**
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Poster Presenter: Ahmed Negm, FR
- P2.125 **NEUROPHYSIOLOGICAL CONSEQUENCES OF GENERAL ANESTHESIA ON THE PARAVENTRICULAR THALAMUS**
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Poster Presenter: Julie Areias, FR
- P2.126 **THE IONOTROPIC RECEPTOR P2X4 CONTROLS AUDITORY**

OUTER HAIR CELLS MICROMECHANICS

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Poster Presenter: Coline Riffault, FR

P2.127 **A ROLE FOR THE CLAUSTRUM IN SLEEP-DEPENDENT MEMORY CONSOLIDATION**

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Poster Presenter: Coline Portet, FR

P2.128 **CEREBROSPINAL FLUID-CONTACTING NEURONS ARE FUNCTIONALLY CONNECTED TO CARDINAL MOTOR INTERNEURONS IN THE MICE SPINAL CORD**

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Poster Presenter: Edith Blasco, FR

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P2.133 **THE GUT-BRAIN VAGAL AXIS GOVERNS NATURAL AND RECREATIONAL REWARD EVENTS BY REGULATING THE DOPAMINE SYSTEM**

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Poster Presenter: Oriane Onimus, FR

P2.134 **GUT MICROBIOTA-INDUCED REGULATION OF CATECHOLAMINE BIOSYNTHETIC PATHWAY IN THE ADRENAL GLANDS OF STRESSED RATS**

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Poster Presenter: Nathalie C. Guerineau*, FR

P2.135 **ASSESSING NEUROENDOCRINE IMPACTS OF BISPHENOL A EXPOSURE IN SEASONAL RODENTS**

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Poster Presenter: Valerie Simonneaux, FR

- P2.136 **WHOLE BRAIN MAPPING OF ACTIVITY DURING SLEEP AND WAKEFULNESS USING TRAP MICE AND IMPROVED DOUBLE FLUORESCENCE METHOD AND AUTOMATIC COUNTING**
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Poster Presenter: Renato Maciel, FR
- P2.137 **NEURONAL BASES OF MECHANISMS UNDERLYING SOCIAL FEAR OBSERVATION**
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Poster Presenter: Prabahan Chakraborty, FR
- P2.138 **MAPPING OF THE NEURONAL POPULATIONS ACTIVE DURING WAKING AND PARADOXICAL (REM) SLEEP IN THE LATERAL HYPOTHALAMUS: A STUDY USING THE TRAP2 TRANSGENIC MICE**
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Poster Presenter: Amarine Chancel, FR
- 6: Cognitive, affective and behavioral neuroscience, neuroethology**
- P2.142 **DOWNREGULATION OF MICROGLIA GENES EXPRESSION IN BRAIN AND ABNORMAL PERIPHERAL EXPRESSION IN SCHIZOPHRENIA.**
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Poster Presenter: Anna Fiorito, FR
- P2.143 **SHARING AN OPEN STIMULATION SYSTEM FOR AUDITORY EEG EXPERIMENTS USING PYTHON, RASBERRYPI AND HIFIBERRY.**
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Poster Presenter: Alexandra Corneyllie, FR
- P2.144 **HIPPOCAMPAL ACTIVITY AND OFFLINE REACTIVATION IN A MOUSE MODEL OF AUTISM**
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Poster Presenter: Rachel Carayon, FR

- P2.145 **THE NEUROPHYSIOLOGICAL BASIS OF LEARNING TO LEARN IN MACAQUE MONKEYS**
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Poster Presenter: Marion Ducret, FR
- P2.146 **CONTROL OF MOTIVATED REWARD AND AVERSION BEHAVIORS BY THE LATERODORSAL TEGMENTAL NUCLEUS**
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Poster Presenter: Lea Royon, FR
- P2.147 **ROLE OF MAP6D1 PROTEIN IN BRAIN PHYSIOLOGY**
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Poster Presenter: Juliette Wu, FR
- P2.148 **A PLACE WITH A VIEW: A CONTINUOUS ORGANIZATION OF SPACE THROUGH SACCADDES AND FIXATIONS FROM PRIMATE POSTERIOR PARIETAL CORTEX TO HIPPOCAMPUS**
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Poster Presenter: Marie Vericel, FR
- P2.149 **MECHANISMS OF VULNERABILITY TO ALCOHOL USE DISORDERS INDUCED BY A SINGLE NUCLEOTIDE POLYMORPHISM OF THE GENE ENCODING THE ALPHA5 NICOTINIC RECEPTOR SUBUNIT**
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Poster Presenter: Léa Tochon, FR
- P2.150 **ANTERIOR STRIATUM ENCODES APPETITIVE AND AVERSIVE VALUES AND THE DISTURBANCE OF ITS GABAERGIC TRANSMISSION CAN PRODUCE LOSS OF REWARD MOTIVATION AND ANXIETY-RELATED BEHAVIORS.**
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Poster Presenter: Dorian Le Quilleuc, FR
- P2.151 **CLOSED-LOOP RECRUITMENT OF STRIATAL**

- PARVALBUMIN INTERNEURONS PREVENTS THE ONSET OF COMPULSIVE BEHAVIOURS**
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 Poster Presenter: Christiane Schreiweis, FR
- P2.152 **CHARACTERIZATION OF SPATIAL WORKING MEMORY IN ADULT AND AGED MICE.**
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 Poster Presenter: Jothini John-Vyani-Rajalingam, FR
- P2.153 **OVERLAPS BETWEEN AUTISM AND SCHIZOPHRENIA: EVIDENCE FROM ATTACHMENT AND MENTALIZING**
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 Poster Presenter: Dániel Tibor Sörnyei, HU
- P2.154 **STUDY OF THE NEUROCOGNITIVE BASES OF IDEA VALUATION DURING CREATIVITY**
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 Poster Presenter: Sarah Moreno Rodriguez, FR
- P2.155 **INTERNAL ATTENTION: FROM UNDERLYING MECHANISMS TO REVISED TAXONOMY**
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 Poster Presenter: Anthony Clement, FR
- P2.156 **THE SB-258585, A 5-HT₆ ANTAGONIST THAT BLOCKS SEROTONIN TRANSMISSION IN STRIATUM CAN INDUCE A LOSS OF FOOD MOTIVATION AND BEHAVIOURAL DISTURBANCES IN NON-HUMAN PRIMATE.**
M. Pitoy^{1,2,3}, L. Gauthier^{1,2}, J. Debatisse^{1,4}, J. Maulavé^{1,2}, E. Météreau^{1,3}, T. Billard², L. Zimmer^{4,2,5}, S. Lancelot^{4,2,5}, L. Tremblay^{1,2}
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 Poster Presenter: Mathilde Pitoy, FR
- P2.157 **FMRI NEUROFEEDBACK TRAINING ON SPATIAL VISUAL ATTENTION INDUCES CHANGES IN INTRINSIC FUNCTIONAL NETWORKS AND ATTENTIONAL BEHAVIOURAL PERFORMANCE**

- S. DALI¹, C. Lorientte², C. De Sousa², F. Lambertson³, D. Ibarrola³, S. Ben Hamed²*
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 Poster Presenter: Souhir Dali, FR
- P2.158 **DEEP BRAIN STIMULATION OF THE SUBTHALAMIC NUCLEUS REDUCED ADDICTION-LIKE ALCOHOL USE AND SUPPRESSED THE EFFECT OF THE PEER'S PRESENCE**
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 Poster Presenter: Lucie Vignal, FR
- P2.159 **DIFFERENTIAL CODING OF ABSOLUTE AND RELATIVE AVERSIVE VALUE IN THE DROSOPHILA.**
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 Poster Presenter: Nesrine Merabet, FR
- P2.160 **THE EFFECT OF OXYTOCIN ON INTERNALLY AND EXTERNALLY DRIVEN SENSATIONS**
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 Poster Presenter: Yulong Huang, FR
- P2.161 **ORBITO FRONTAL AND ANTERIOR CINGULATE CORTICES DIFFERENTIALLY MODULATE GENERATION AND EVALUATION OF TIME INTERVALS**
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 Poster Presenter: Léa Le Barillier, PL
- P2.162 **BEHAVIOURAL CHARACTERISTICS AND SEX DIFFERENCES OF A TREATMENT RESISTANT DEPRESSION MODEL: CHRONIC MILD STRESS IN THE WISTAR-KYOTO RAT**
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 Poster Presenter: Vincent Loizeau, FR
- P2.163 **EVIDENCE OF A RELATIONSHIP BETWEEN ATTENTIONAL BIAS FOR EMOTIONAL FACES AND DEPRESSION SEVERITY: AN EYE TRACKING STUDY**

L. Imbert^{1,2}, C. Neige^{1,2}, R. Moirand², W. Vallet^{1,2}, J. Brunelin^{1,2}

¹Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL, U1028 UMR5292, PSYR2, Bron, France, ²Centre Hospitalier Le Vinatier, Bron, France

Poster Presenter: Laetitia Imbert, FR

P2.164

DISTINCT ROLES PLAYED BY DOPAMINE AND SEROTONIN SYSTEMS IN APPROACH-AVOIDANCE BEHAVIOR: A PHARMACOLOGICAL STUDY ASSOCIATED WITH PET IMAGING IN NON-HUMAN PRIMATE

L. Gauthier^{1,2}, G. Druil¹, J. Debatisse^{1,3}, Y. Saga¹, J. Crehan^{1,2,4}, M. Millot¹, E. Martinez¹, E. Météreau^{1,5}, K. Portier^{2,6}, P.N. Tobler⁷, B. Pasquereau^{1,2}, L. Tremblay^{1,2}

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Poster Presenter: Lisa Gauthier, FR

P2.165

BEHAVIORAL CHARACTERIZATION OF A RAT MODEL OF COGNITIVE RESILIENCE IN THE FIELD OF ALZHEIMER'S DISEASE

L. GEPHINE¹, A. HURET¹, M. LECOMTE¹, T. FRERET¹, M. LEGER¹

¹University of Caen Normandy, UMR-S 1075 COMETE, Caen, France

Poster Presenter: Lucas Gephine, FR

P2.166

VOLITIONAL INHIBITORY AND EXCITATORY RESPIRATORY CONTROL STUDIED WITH INTRACRANIAL EEG

J. Granget^{1,2}, M.C. Niérat¹, K. Lehongre³, V. Navarro³, V. Lambrecq³, V. Frazzini³, N. Buonviso², A. Pinna⁴, T. Similowski^{1,5}

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Poster Presenter: Jules Granget, FR

P2.167

CHARACTERIZATION OF A NEW MODEL OF AUTOSOMAL RECESSIVE CEREBELLAR ATAXIA TYPE2

D. Gonçalves¹, M. Carre-Pierrat¹, H. Puccio¹

¹Institut NeuroMyoGène INMG - Laboratoire Pathophysiologie du Neurone et du Muscle PGNM, UCBL-CNRS UMR 5261, Inserm U1315, Lyon, France

Poster Presenter: Débora Gonçalves, FR

- P2.168 **GAZE PATTERNS AND BRAIN ACTIVATIONS IN HUMANS AND MARMOSETS IN THE FRITH-HAPPÉ THEORY-OF-MIND ANIMATION TASK**
A. Dureux¹, A. Zanini¹, J. Selvanayagam¹, R. Menon¹, S. Everling¹
¹Western University, Robarts Research Institute, London, Canada
Poster Presenter: Audrey Dureux, CA
- P2.169 **DISSOCIATION BETWEEN OBSERVATIONAL LEARNING AND SOCIAL COMPARISON NEURAL SIGNALS**
M. Lojkiewicz¹, D. Pischedda², F. Panizza³, J. Sallet⁴, E. Fouragnan¹, N. Bault¹
¹University of Plymouth, Brain Research and Imaging Centre (BRIC), Plymouth, United Kingdom, ²Universitätsmedizin Berlin, Bernstein Center for Computational Neuroscience, Charité, Berlin, Germany, ³MoMiLab, IMT School for Advanced Studies, Lucca, Italy, ⁴Stem Cell and Brain Research Institute, U1208, Inserm, Bron, France
Poster Presenter: Nadège Bault, GB
- P2.170 **DEVELOPMENT OF PLACE CELLS ACTIVITY IN JUVENILE MICE NAVIGATING A VIRTUAL ENVIRONMENT WITH HETEROGENOUS DISTRIBUTION OF EXTERNAL VISUAL CUES**
V. Suire¹, R. Carayon¹, A. Solod¹, J. Koenig Gambini¹, P.P. Lenck-Santini¹, J. Epsztein¹
¹INSERM U1249, Mediterranean Institute of Neurobiology (INMED), Marseille CEDEX 09, France
Poster Presenter: Vinca Suire, FR
- P2.171 **HOW SUBJECTIVE IDEA VALUATION ENERGIZES AND GUIDES CREATIVE IDEA GENERATION**
A. Lopez-Persem¹, S. Moreno-Rodriguez¹, M. Ovando-Tellez¹, T. Bieth¹, S. Guiet¹, J. Brochard², E. Volle¹
¹INSERM, Paris Brain Institute, Paris, France, ²University of Bonn, Bonn, Germany
Poster Presenter: Alizée Lopez-Persem, FR
- P2.172 **CELLULAR DETERMINANT OF NEGATIVE REINFORCEMENT IN OPIOID ADDICTION**
F. Chaudun¹, L. Python¹, Y. Liu¹, E. Valjent², C. Lüscher¹
¹Université de Geneve, Departement des neurosciences, Geneve, Switzerland, ²Université de Montpellier, Institut de génomique fonctionnelle, Montpellier, France
Poster Presenter: Fabrice Chaudun, CH
- P2.173 **FUNCTIONAL PARCELLATION OF THE COMMON MARMOSET'S CEREBRAL CORTEX WITH MOVIE-DRIVEN ULTRA-HIGH FIELD FMRI**
A. Zanini¹, A. Dureux¹, S. Everling^{2,1}
¹Western University, Robarts Research Institute, London, Canada, ²Western University, Physiology and Pharmacology, London, Canada
Poster Presenter: Alessandro Zanini, CA
- P2.174 **NORADRENERGIC MODULATION OF OLFACTORY LEARNING IN THE NEWBORN RABBIT**
E.-G. Ducourneau¹, N. Colombel^{1,2}, J.-C. Helbling¹, P. Duchamp-Viret², G. Coureaud², G. Ferreira¹
¹INRAE - Bordeaux University, NutriNeuro - FoodCircus Group, Bordeaux, France, ²CNRS/INSERM - Lyon 1 University, CRNL -

- Sensory NeuroEthology Group, Lyon, France
Poster Presenter: Eva-Gunnel Ducourneau, FR
- P2.175 **USING NON-INVASIVE BRAIN STIMULATION TO INVESTIGATE BRAIN MECHANISMS OF SOURCE MONITORING: A SYSTEMATIC REVIEW**
M. Perret^{1,2,3}, J. Brunelin^{1,2,3}, M. Mondino^{1,2,3}
¹INSERM, U1028; CNRS, UMR5292; Lyon Neuroscience Research Center, PSYR2 Team, Bron, France, ²University Lyon 1, Villeurbanne, France, ³Centre Hospitalier Le Vinatier, Bron, France
Poster Presenter: Mélanie Perret, FR
- P2.176 **AN OPEN-SOURCE RECORDING SYSTEM FOR THE DETECTION OF RATS' ULTRASOUND VOCALISATIONS**
R. Bourdy¹, A. Barbelivien¹, M. Majchrzak¹, L. Lecourtier¹, F. Stock², F. Antoni², L. Durieux¹
¹CNRS / Université de Strasbourg, Laboratoire de Neurosciences Cognitives et Adaptatives (UMR 7364), Strasbourg, France, ²CNRS / Université de Strasbourg / Faculté de Physique et Ingénierie, Laboratoire ICube (UMR 7357), Strasbourg, France
Poster Presenter: Romain Bourdy, FR
- P2.177 **BEHAVIORAL DETERMINANTS OF NEURAL NETWORK DYNAMICS AND STRATEGY SWITCHING IN MONKEY FRONTAL CORTEX**
Z. Ungvárszki¹, C. Goussi-Denjean¹, G. Orbán², M. di Volo¹, E. Procyk¹
¹Univ Lyon, Université Lyon 1, Inserm, Stem Cell and Brain Research Institute U1208, Bron, France, ²Computational Systems Neuroscience Lab, Wigner Research Center for Physics, Budapest, Hungary
Poster Presenter: Zsombor Ungvárszki, FR
- P2.178 **CDAAM1 IS A NEW MOLECULAR TOOL TO STUDY PCP SIGNALING AND MODULATE PATTERN SEPARATION AND PATTERN COMPLETION IN MICE, USING INNOVATIVE BEHAVIORAL PARADIGMS LIKE A TOUCHSCREEN-BASED MEMORY ASSESSMENT**
E. Daniel¹, M. Moreau¹, N. Depret¹, C. Cléo Lheraux¹, M. Montcouquiol¹, N. Sans¹
¹INSERM, Université de Bordeaux, U1215, Neurocentre François Magendie, Bordeaux, France
Poster Presenter: Eloïse Daniel, FR
- P2.179 **ALTERED DYNAMICS OF VISUOMOTOR SEQUENCE LEARNING IN MIGRAINE**
L. Szücs-Bencze¹, T. Vékony², T.Z. Kincses^{1,3}, D. Nemeth^{2,4,5}, N. Szabó¹
¹University of Szeged, Department of Neurology, Szeged, Hungary, ²Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, Bron, France, ³University of Szeged, Department of Radiology, Szeged, Hungary, ⁴Brain, Memory and Language Research Group, Institute of Cognitive Neuroscience and Psychology, Research Centre for Natural Sciences, Budapest, Hungary, ⁵ELTE Eötvös Loránd University, Institute of Psychology, Budapest, Hungary
Poster Presenter: Laura Szücs-Bencze, HU

- P2.180 **EXTERNALIZATION OF SOUND SOURCES IN SCHIZOPHRENIA**
L. FIVEL¹, N. GRIMAUULT², M. LAVANDIER³, F. PERRIN², F. HAESEBAERT^{4,5}, M. MONDINO^{4,5}
¹Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL, U1028 UMR5292, Bron, France, ²Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, CAP, Bron, France, ³Univ Lyon, ENTPE, Ecole Centrale de Lyon, CNRS, LTDS, UMR5513, Vaulx en Velin, France, ⁴Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, PSYR2, Bron, France, ⁵Centre Hospitalier le Vinatier, Bron, France
Poster Presenter: Laure Fivel, FR
- P2.181 **PREFRONTAL NETWORK DYNAMICS IN VALENCE-BASED MODULATION OF DECISION MAKING**
A. ELAZRAOUI¹
¹University of Bordeaux, IINS, UMR5297, Bordeaux, France
Poster Presenter: Anass El Azraoui, FR
- P2.182 **ACCURACY IN SELF-MONITORING OF TEMPORAL ERRORS IN HUMANS AND RODENTS.**
S.N. Bilgin¹, T.W. Kononowicz¹, V. Doyère²
¹Polish Academy of Sciences, Institute of Psychology, Warsaw, Poland, ²Université Paris-Saclay, CNRS, Institut des Neurosciences Paris-Saclay (NeuroPSI), Saclay, France
Poster Presenter: Sena Nur Bilgin, PL
- P2.183 **RHYTHMIC PRIMING EFFECTS ON GRAMMATICAL ERROR DETECTION IN SECOND LANGUAGE LEARNERS OF FRENCH**
J. Camici¹, A. Fiveash², B. Tillmann³, A. Kösem¹
¹Lyon Neuroscience Research Center (CRNL), Lyon, France, ²The MARCS Institute for Brain, Behaviour and Development, Sydney, Australia, ³Laboratoire d'Etude de l'Apprentissage et du Développement, Dijon, France
Poster Presenter: Julie Camici, FR
- P2.184 **NEURAL BASES OF STRESS-INDUCED ENHANCEMENT OF MEMORY CONSOLIDATION DURING SLEEP**
E. Pronier¹, J.F. Morici¹, A. Juyal¹, B. Khouader¹, G. Girardeau¹
¹Sorbonne Université, Institut du Fer à Moulin, Paris, France
Poster Presenter: Eléonore Pronier, FR
- P2.185 **ASSESSING SLEEP-WAKE CYCLES IN POST-COMATOSE PATIENTS USING ACTIMETRY**
H. RATELADE¹, M. Lebrat², C. Diot², F. Gobert^{1,2}, M. Beaudoin-Gobert¹, J. Luauté^{1,2}
¹Centre de Recherche en Neurosciences de Lyon, Equipe TRAJECTOIRES, Lyon, France, ²Hospices Civils de Lyon, Lyon, France
Poster Presenter: Hugo Ratelade, FR
- P2.186 **PARALLEL ABSOLUTE AND RELATIVE CODES FOR TIME IN THE STRIATUM, AND CONTEXT-DEPENDENT RETIMING IN THE HIPPOCAMPUS**
F. Rolando¹, T. Kononowicz^{1,2}, J.-R. Duhamel¹, V. Doyère², S. Wirth¹

¹CNRS, Université Claude Bernard Lyon 1, Institut des Sciences Cognitives Marc Jeannerod, UMR-5229, Lyon, France, ²CNRS, Université Paris-Saclay, Institut des Neurosciences Paris-Saclay (NeuroPSI), Saclay, France

Poster Presenter: Felipe Rolando, FR

P2.187 **CIRCULATING TRIGLYCERIDES SCALE THE ACTIVITY AND FUNCTIONS OF THE DOPAMINE REWARD SYSTEM DEPENDING ON METABOLIC STATES.**

G. Li¹, J. Castel¹, S. Luquet¹, G. Gangarossa¹

¹Université Paris Cité, Unité de Biologie Fonctionnelle et Adaptative, Paris, France

Poster Presenter: Guangping Li, FR

P2.188 **THE ROLE OF MELATONIN AND ITS RECEPTORS ON HABITUATION LEARNING IN LARVAL ZEBRAFISH**

D. Baas¹, I. Darvaux-Hubert², R. Dorado Doncel³, O. Randlett²

¹Université Claude Bernard Lyon1, Melis- Team Behaviour, plasticity and memory in larval zebrafish, LYON, France, ²Université Claude Bernard Lyon1- INSERM U1314, Melis- Team Behaviour, plasticity and memory in larval zebrafish, LYON, France, ³Master Biosciences Ecole Normale Supérieure de Lyon- Université Claude Bernard Lyon1, Melis- Team Behaviour, plasticity and memory in larval zebrafish, LYON, France

Poster Presenter: Dominique Baas, FR

P2.189 **CEREBELLAR CONTROL OF A UNITARY SENSE OF DIRECTION**

M. Fallahnezhad¹, J. Le Méro¹, X. Zenelaj¹, J. Vincent¹, C. Rochefort¹, L. Rondi-Reig¹

¹Sorbonne Université, Paris, France

Poster Presenter: Mehdi Fallahnezhad, FR

P2.190 **INTRODUCING AN EYE-TRACKER IN INTENSIVE CARE TO ASSESS GAZE SOCIAL STIMULI DURING DISORDERS OF CONSCIOUSNESS**

A. Clerc^{1,2}, F. Gobert^{2,3}, J. Luauté^{2,4,5}, M. Beaudoin-Gobert²

¹Université Claude Bernard Lyon 1, Villeurbanne, France, ²TRAJECTOIRES, Lyon Neurosciences Research Center (UCBL, CNRS UMR5292, Inserm U1028), Lyon, France, ³Neuro-Intensive Care Unit, Neurological Hospital Pierre-Wertheimer, Hospices Civils de Lyon, Lyon, France, ⁴Neuro-Rehabilitation Unit, Neurological Hospital Pierre-Wertheimer, Hospices Civils de Lyon, Lyon, France, ⁵Henry Gabrielle Hospital, Hospices Civils de Lyon, Lyon, France

Poster Presenter: Anthony Clerc, FR

P2.191 **THE INFLUENCE OF THE PRESENCE OF A PEER ON CONTROL OF INHIBITION IN COCAINE USERS AND ITS NEUROBIOLOGICAL SUBSTRATE**

D. Terenzi¹, M.J. Munyua Gachomba², J.L. de Peretti¹, B. Nazarian³, J. Sein³, J.-L. Anton³, D. Grandjean⁴, N. Simon⁵, T. Chaminade¹, C. Baunez¹

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Marguerite, Department of Clinical Pharmacology, CAP-TV,
Marseille, France

Poster Presenter: Damiano Terenzi, FR

7: Theoretical and computational neuroscience

- P2.200 **THE FORMATION OF STARS IN THE LINKING GAME IS AN EMERGENT PROPERTY**
H. Dahmou¹, J. Benistant¹, R. philippe¹, F. Moisan², J.-C. Dreher¹
¹ISC M.Jeannerod, Bron, France, ²GATE-LAB, Écully, France
Poster Presenter: Hicham Dahmou, FR
- P2.201 **COOPERATIVE AND ADVERSARIAL WORLDS IN ACTIVE INFERENCE**
M. Joffily¹, T. van de Laar²
¹GATE-LSE, CNRS, Lyon, France, ²Eindhoven University of Technology, Eindhoven, Netherlands
Poster Presenter: Mateus Joffily, FR
- P2.202 **MEAN-FIELD APPROXIMATION OF BIOPHYSICAL NEURONAL NETWORK TO CAPTURE HEALTHY AND PATHOLOGICAL DYNAMICS**
G. Rabuffo¹, A. Bandyopadhyay¹, C. Calabrese¹, K. Gudibanda¹, D. Depannemaecker¹, A. Ivanov¹, M.-L. Linne², C. Bernard¹, V. Jirsa¹, S. Petkoski¹
¹Institut de Neurosciences des Systèmes - Aix-Marseille Université, Marseille, France, ²Faculty of Medicine and Health Technology, Tampere University, Tampere, Finland
Poster Presenter: Giovanni Rabuffo, FR
- P2.203 **MODEL OF NEURONAL EXCITABILITY CONSIDERING IONIC DYNAMICS**
D. Depannemaecker¹, G. Rabuffo¹, C. Calabrese¹, S. Olmi², V. Jirsa¹
¹Aix-Marseille Université, Institut de Neurosciences des Systèmes, Marseille, France, ²Consiglio Nazionale delle Ricerche, Istituto dei Sistemi Complessi, Sesto Fiorentino, Italy
Poster Presenter: Damien Depannemaecker, FR
- P2.204 **NEW AUTOMATED PIPELINE FOR THE CHARACTERIZATION AND DESCRIPTION OF MICROGLIAL MORPHOLOGY.**
S. Benkeder¹, S.-M. Dinh¹, J.-C. Comte², O. Pascual¹
¹Université Claude Bernard Lyon 1, Institut NeuroMyoGène - Laboratoire MeLiS, Lyon, France, ²Centre de Recherche en Neurosciences de Lyon, Bron, France
Poster Presenter: Sarah Benkeder, FR
- P2.205 **THE ROLE OF ONSET LOCATION AND EDGE RESECTION IN EPILEPTIC SEIZURE PROPAGATION IN MICE BRAIN: A COMPUTATIONAL STUDY**
J. Courson^{1,2}, M. Quoy^{2,3}, Y. Timofeeva^{4,5,6}, T. Manos²
¹CY Cergy Paris Université, Laboratoire de Physique Théorique et Modélisation (LPTM), Cergy-Pontoise, France, ²CY Cergy Paris Université, Equipes Traitement de l'Information et Systèmes (ETIS), Cergy-Pontoise, France, ³IPAL CNRS, Singapore, Singapore, ⁴University of Warwick, Department of Computer Science, Coventry, United Kingdom, ⁵University of Warwick, Centre for Complexity Science, Coventry, United Kingdom, ⁶University College London, Institute of Neurology, London, United

Kingdom

Poster Presenter: Juliette Courson, FR

- P2.206 **COMMUNICATING WITH LIVING NEURONS USING A NEXT-GENERATION BIDIRECTIONAL NEUROBIOHYBRID INTERFACE WITH OPTIMIZED ENERGY EFFICIENCY.**
N. Schoonjans¹, V. Hoel¹, D. Henniquau¹, V. Avramovic¹, M. Bellaredj¹, P. Mariot², V. Farfariello², D. Delcroix¹, R. Kassi¹, A. Cappy¹, A. Vlandas¹, C. Vanbesien¹
¹Univ. Lille, CNRS, Centrale Lille, Univ. Polytechnique Hauts-de-France, UMR 8520 - IEMN, Institute of Electronics, Microelectronics and Nanotechnology, Lille, France, ²Univ. Lille, INSERM, U1003 - PHYCEL - Laboratory of Cell Physiology, Lille, France
 Poster Presenter: Nathan Schoonjans, FR
- P2.207 **STRUCTURED FLOWS ON MANIFOLDS IN SLEEP DURING THE DAY AND NIGHT CYCLE**
J. Lyu¹, H. Sheheitli¹, M. Pompili¹, C. Bernard¹
¹Aix-Marseille Université, INSERM, Institut de Neurosciences des Systèmes, Marseille, France
 Poster Presenter: Jiaxin Lyu, FR
- P2.208 **SELF-EFFICACY AND MOTIVATION: CONFIDENCE CONTROLS EFFORT**
W. Hopper¹, J. Daunizeau¹
¹Brain and Spine Institute, Motivation Brain Behaviour Team, Paris, France
 Poster Presenter: William Hopper, FR
- P2.209 **A NOVEL MINIMALLY INVASIVE MICRO-ENDOSCOPE TO IMAGE NEURONAL ACTIVITY IN FREELY-BEHAVING MICE**
C. V. RIMOLI^{1,2}, F. SOLDEVILA¹, C. MORETTI¹, C. VENTALON², S. GIGAN¹
¹Laboratoire Kastler Brossel, ENS-Université PSL, CNRS, Sorbonne Université, Collège de France, Paris, France, ²Institut de biologie de l'École Normale Supérieure (IBENS), École Normale Supérieure, CNRS, INSERM, PSL Research University, Paris, France
 Poster Presenter: Caio V. RIMOLI, FR

Other

09:30 - 09:35

Auditorium Lumière

Presentation by NETRI

Plenary Lecture

09:35 - 10:05

Auditorium Lumière

PL05 - What is special about the social brain?

PL05.1

Lecture

Speaker: Matthew Rushworth, GB

Symposium

11:00 - 13:00

Auditorium Lumière

S15 - Spreading in neurodegenerative diseases: from physiopathological mechanisms to clinical applications

Chair: Mounia Chami, FR

- S15.1 **Alpha-Synuclein aggregation and propagation in synucleinopathies, influence of the structure of aggregates**
Speaker: Nolwen Rey, FR
- S15.2 **Complexity of tau spreading among tauopathies: from cell mechanisms to therapeutic strategies**
Speaker: Morvane Colin, FR
- S15.3 **APP-CTF oligomerization and exosomal spreading in Alzheimer's disease models**
Speaker: Inger Lauritzen, FR
- S15.4 **Role of tunneling nanotubes in the spreading of amyloid proteins in neurodegenerative diseases**
Speaker: Chiara Zurzolo, FR
- S15.5 **Unravelling The Cell Specific Function Of P2X4 Receptor In Als Pathogenesis And Its Potential Use As A Biomarker**
S. Carracedo¹, E. Bertin¹, C. Quilgars², A. Fayoux³, C. Riffault¹, G. Le Masson⁴, S. Bertrand³, E. Boué-Grabot¹
¹University of Bordeaux, Institut des Maladies Neurodégénératives (CNRS UMR 5293), Bordeaux, France, ²Stanford University, San Francisco, United States, ³University of Bordeaux, Institut de Neurosciences Cognitives et Intégratives d'Aquitaine (UMR5287), Bordeaux, France, ⁴CHU Bordeaux, Reference Center of ALS and Motorneuron diseases, Bordeaux, France
Oral Presenter: Sara Carracedo, FR

Symposium

11:00 - 13:00

Auditorium Pasteur

S16 - Circuit mechanisms in maladaptive emotional responses*Chair:* Sebastian Fernandez, FR*Chair:* Bianca Silva, IT

- S16.1 **Neural circuits of stress eating**
Speaker: Frank Meye, NL
- S16.2 **Brain circuits for fear attenuation**
Speaker: Bianca Silva, IT
- S16.3 **Insula circuits of emotional valence and anxiety**
Speaker: Anna Beyeler, FR
- S16.4 **Amygdala synaptic mechanisms of heightened anxiety**
Speaker: Sebastian Fernandez, FR
- S16.5 **Early Life Adversity Alters The Neural And Behavioral Response To Odor Hedonics**
A. Athanassi¹, L. Chalençon², M. Thevenet¹, L. Foucault³, O. Raineteau³, A. François⁴, E. Bourrinet⁴, K. Bath⁵, N. Mandairon¹
¹CNRS, UMR 5292, INSERM, U1028, University of Lyon, Lyon Neuroscience Research Center, Bron, France, ²Weill Cornell Medical College, Department of Psychiatry, New York City, NY, United States, ³U1028, INSERM, University of Lyon, Stem cell and Brain Research Institute, Bron, France, ⁴CNRS, UMR 5203, Institut de Génomique Fonctionnelle, Montpellier, France, ⁵Columbia University Medical College, Department of Psychiatry, New York city, NY, United States

Oral Presenter: Anna Athanassi, FR

Symposium

11:00 - 13:00

Salon Pasteur

S17 - Homeostatic/allostatic and intrinsic origin of reward and motivation

Chair: Liane Schmidt, FR

Chair: Boris Gutkin, FR

S17.1 **Taste matters: Neurocognitive mechanisms of expectancy-based placebo effects on hunger and dietary decision-making**

Speaker: Liane Schmidt, FR

S17.2 **A brain marker for food and drug craving**

Speaker: Leonie Koban, FR

S17.3 **Rethinking reward in psychiatry: interoceptive and allostatic contributions to mood and motivation**

Speaker: Lilian Weber, GB

S17.4 **The homeostatic/allostatic and intrinsic origin of reward and motivation**

Speaker: Boris Gutkin, FR

S17.5 **General Mechanisms Of Task Engagement In The Primate Frontal Cortex**

J. Grohn¹, N. Khalighinejad¹, C. Jahn¹, A. Bongioanni¹, U. Schuffelgen¹, J. Sallet¹, M. Rushworth¹, N. Kolling¹

¹University of Oxford, Oxford, United Kingdom

Oral Presenter: Jan Grohn, GB

Symposium

11:00 - 13:00

Rhône 1

S18 - Single domain antibodies as novel therapeutic agents for brain diseases

Chair: Philippe Rondard, FR

Chair: Julie Le Merrer, FR

S18.1 **Targeting brain orphan receptors with nanobodies for therapeutic benefits**

Speaker: Kirill Martemyanov, US

S18.2 **An adenosine A2A receptor-targeting nanobody relieves autistic-like behavior in mice**

Speaker: Julie Le Merrer, FR

S18.3 **A metabotropic glutamate mGlu2 receptor nanobody rescues behavioral deficits in pre-clinical models of schizophrenia**

Speaker: Philippe Rondard, FR

S18.4 **Nanobodies to cross the blood-brain barrier**

Speaker: Maarten Dewilde, BE

S18.5 **Single Domain Antibodies As Pharmacological Modulators Of Metabotropic Glutamate Receptor 5**

L. Pion¹, R. Perrin², F. Eshak³, F. Acher³, A. Goupil-Lamy⁴, P. Rondard², J.-P. Pin²

¹University of Montpellier, IGF, Montpellier, France, ²CNRS, IGF, Montpellier, France, ³Université Paris Cité, Saints-Pères Paris

Institute for the Neurosciences, Paris, France, ⁴Dassault
Systèmes, Vélizy-Villacoublay, France
Oral Presenter: Léo Pion, FR

Symposium

11:00 - 13:00

Rhône 2

S19 - New insights about body representation across typical and atypical development

Chair: Alice Gomez, FR

Chair: Christine Assaiante, FR

- S19.1 **Body representation and internal model of action in children with and without learning disorders**
Speaker: Fabien Cignetti, FR
- S19.2 **Typical and atypical development of sensorimotor maps**
Speaker: Dollyane Muret, GB
- S19.3 **Typical and atypical plasticity of body representations: insights from tool use**
Speaker: Marie Martel, FR
- S19.4 **Body representations in typical and atypical motor development and new insights toward classroom interventions**
Speaker: Thomas Gauduel, FR
- S19.5 **Characterizing The Dynamics Of Somatosensory Evoked Responses In Preterm Infants : Insights Into Early Body Representations**
P. Adibpour^{1,2}, *H. Nasser*³, *A. Pedoux*⁴, *L. Devisscher*^{1,2}, *E. Hinnekens*⁵, *S. Neumane*^{1,2}, *A. Lefebvre*⁴, *A. Kaminska*^{1,6}, *L. Hertz-Pannier*^{1,2}, *A. Heneau*⁷, *C. Delanoë*³, *R. Delorme*⁴, *M. Barbu-Roth*⁵, *V. Biran*⁷, *J. Dubois*^{1,2}
¹Université Paris Cité, INSERM, NeuroDiderot, Paris, France, ²Université Paris Saclay, CEA, NeuroSpin, UNIACT, Gif-sur-Yvette, France, ³Assistance Publique-Hôpitaux de Paris - APHP, Robert-Debré Hospital, Department of Functional Explorations, Paris, France, ⁴Assistance Publique-Hôpitaux de Paris - APHP, Robert-Debré Hospital, Department of Child and Adolescent Psychiatry, Paris, France, ⁵Université Paris Cité, CNRS, Integrative Neuroscience and Cognition Center, Paris, France, ⁶Assistance Publique-Hôpitaux de Paris - APHP, Necker-Enfants Malades Hospital, Department of clinical neurophysiology, Paris, France, ⁷Assistance Publique-Hôpitaux de Paris - APHP, Robert-Debré Hospital, Neonatal Intensive Care Unit, Paris, France
Oral Presenter: Parvaneh Adibpour, FR

Symposium

11:00 - 13:00

Rhône 3

S20 - Preclinical and clinical expertise to tackle addictive behaviors in our modern societies

Chair: Katia Befort, FR

Chair: Dominique Massotte, FR

- S20.1 **The choice to eat junk food, and how this affects the brain's control on feeding**
Speaker: Susanne La Fleur, NL
- S20.2 **Preclinical models of binge eating behaviour: focus on the**

- interaction between cannabinoid and opioid system genes**
Speaker: Claudio D'Addario, IT
- S20.3 **Gambling disorder : future prevention and treatment strategies**
Speaker: Amandine Luquiens, FR
- S20.4 **New tools to probe addiction related circuits: highlighting an habenular network implicated in stress-induced reinstatement**
Speaker: Victor Mathis, FR
- S20.5 **Nicotine Reinforcement Is Triggered By Interplay Between Reward And Aversion Circuits**
J. Jehl^{1,2}, *E. Vicq*^{1,2}, *M. Ciscato*¹, *J. Frangier*³, *N. Guyon*¹, *S. Mondoloni*², *C. Nguyen*², *J.-P. Hardelin*¹, *F. Marti*^{1,2}, *P.-J. Corringer*³, *P. Faure*^{1,2}, *A. Mourot*^{1,2}
¹ESPCI, Paris, France, ²Sorbonne Université, Paris, France, ³Institut Pasteur, Paris, France
Oral Presenter: Joachim Jehl, FR

Symposium

11:00 - 13:00

Saint Clair 3

S21 - Speech processing: interactions between language and temporal predictions*Chair:* Anne Kosem, FR

- S21.1 **Probabilistic temporal predictions in audition and speech**
Speaker: Anne Kosem, FR
- S21.2 **Is Speech Special? Evidence from Neural Entrainment**
Speaker: Benedikt Zoefel, FR
- S21.3 **What and when interactions during speech tracking**
Speaker: Sanne Ten Oever, NL
- S21.4 **Tracking emergent rhythmic structure in speech and music**
Speaker: Sonja Kotz, NL

Special Session

13:15 - 14:45

Salon Pasteur

SP04 - Innovative models for the study of complex biological questions*Chair:* Julien Courchet, FR*Chair:* Athanassia Sotiropoulos, FR

- SP04.1 **Abnormal circuit connectivity impairs neural decoding and behavior in a mecp2-mutant zebrafish**
Speaker: German Sumbre, FR
- SP04.2 **Combining human brain organoids and zebrafish models to decipher the physiopathology of rare RNU4ATAC-associated microcephaly syndromes**
Speaker: Marion Delous, FR
- SP04.3 **Beyond organoids : approaching the human nervous system with embryoids**
Speaker: Stéphane Nedelec, FR
- SP04.4 **Combining ex vivo organotypic culture approaches and**

cerebral organoids for the study of normal and pathological cortical development

Speaker: Florence Wianny, FR

Special Session

13:15 - 14:45

Rhône 2

SP05 - Green lab: from environmental impact of research activities to solutions - Organized by the Young Researchers' office

Chair: Antoine Ameloot, FR

Chair: Emmanuel Perisse, FR

SP05.1 **Roundtable**

Speaker: Marie-Laure Parmentier, FR

Speaker: Jean-Michel Hupé, FR

Speaker: Maximilien Chaumon, FR

Special Session

13:15 - 14:45

Rhône 3

SP06 - NeuroGastronomy: how multisensory context impacts tasting experience?

Chair: Sylvia Wirth, FR

SP06.1 **The role of atmospheric cues on food experience: how contextual cues influence food perception and behaviour**

Speaker: Adriana Gali-anes Plaza, FR

SP06.2 **Cross-modal interactions in food: the effects of color, shape and sound in tasting**

Speaker: Anne-Lise Saive, FR

SP06.3 **Food beyond the mouth : how the brain integration of internal states influences food experience**

Speaker: Gabriel Lepousez, FR

SP06.4 **How odor transcends taste: sensory and neurophysiological approaches of taste-odor interactions**

Speaker: Shirley Xue Li Lim, FR

Symposium

15:30 - 17:30

Auditorium Lumière

S22 - Mitochondria and brain cells plasticity in neurodegenerative diseases

Chair: Kevin Richetin, CH

Chair: Marie-Christine Miquel, FR

S22.1 **Mitochondrial OPA1 deficiency causes reversible defects in adult neurogenesis-associated spatial memory in mice**

Speaker: Marie-Christine Miquel, FR

S22.2 **Transcriptional response to oxidative stress in neurodegenerative/inflammatory diseases**

Speaker: Marion Szelechowski, FR

S22.3 **Extracellular vesicles, mitochondria and astrocytes**

Speaker: Kevin Richetin, CH

S22.4 **Neurodegenerative diseases: sex differences, metabolic reprogramming and therapeutic strategies**

Speaker: Amandine Grimm, CH

- S22.5 **Er Stress Adaptive Response Is Impaired By Toxic Proteins In Neurodegeneration**
F. Pilotto^{1,2}, *R. Diab*², *S. Saxena*²
¹Institut NeuroMyoGene (INMG) PGNM UMR5261 - INSERM U1315, Université Claude Bernard - Lyon I, Lyon, France, ²Center for Experimental Neurology, Department of Neurology, Inselspital University Hospital, University of Bern, Bern, Switzerland
 Oral Presenter: Federica Pilotto, FR

Symposium
 15:30 - 17:30

Auditorium Pasteur

S23 - Behavioral and neurophysiological markers of the integrated computations of decision and action

Chair: David Thura, FR

- S23.1 **Role of the primary motor cortex in effort-based decision-making**
 Speaker: Gérard Derosiére, BE
- S23.2 **The role of the primary motor cortex in adaptive cognitive control**
 Speaker: Thomas Michelet, FR
- S23.3 **Impact of movement constraints on decision-making in monkeys and humans**
 Speaker: Clara Saleri Lunazzi, FR
- S23.4 **Effort-time tradeoff in foraging rats. Inter-individual differences and role of the dorsal striatum**
 Speaker: Thomas Morvan, FR
- S23.5 **Neural Population Dynamics Underlying The Planning Of Multiple Movements In Parallel**
*N. Meirhaeghe*¹, *A. Riehle*¹, *T. Brochier*¹
¹Aix Marseille Université, Institut de Neurosciences de la Timone, Marseille, France
 Oral Presenter: Nicolas Meirhaeghe, FR

Symposium
 15:30 - 17:30

Salon Pasteur

S24 - Optically controlling endogenous receptors, ion channels and cellular signaling to explore brain functions

Chair: Cyril Goudet, FR

Chair: Alexandre Mourot, FR

- S24.1 **Controlling neuronal activity with light: from individual cells to brain waves**
 Speaker: Pau Gorostiza, ES
- S24.2 **Synchronization of neuronal networks and modulation of synaptic plasticity by non-visual opsin variants**
 Speaker: Stephan Herlitze, DE
- S24.3 **Interrogation of NMDA receptor diversity using optopharmacology**
 Speaker: Laetitia Mony, FR
- S24.4 **Fine-tuning of metabotropic glutamate receptor mGlu5 to**

block pathological mechanisms in Alzheimer's disease*Speaker:* Charleine Zussy, FR

- S24.5 **Precise Spatio-Temporal Photo-Release Of A Systemically Delivered Caged Nicotinic Agonist In Living Mice**
N. Guyon¹, J. Jehl¹, G.C. Ellis-Davies², A. Mouro¹
¹ESPCI Paris, Brain Plasticity Laboratory, Paris, France, ²Icahn School of Medicine at Mount Sinai, Department of Neuroscience, New York, United States
Oral Presenter: Nicolas Guyon, FR

Symposium

15:30 - 17:30

Rhône 1

S25 - Theoretical and computational approaches in neuroscience: Computational modeling of epilepsy*Chair:* Huifang Wang, FR

- S25.1 **Diagnosis and Prognosis of Epilepsy: Is normal EEG really normal?**
Speaker: John R. Terry, GB
- S25.2 **Modeling brain stimulation for personalised diagnosis and treatment of refractory epilepsy**
Speaker: Borana Dollomaja, FR
- S25.3 **Modeling seizures: from single neurons to whole-brain networks**
Speaker: Damien Depannemaecker, FR
- S25.4 **Patient-specific digital neuroscience workflow for epilepsy**
Speaker: Huifang Wang, FR
- S25.5 **A Deep Learning Method For Automated Interictal Spike Detection In Meg Recordings Of Epilepsy Patients**
P. Mouchès¹, J. Jung¹, R. Bouet¹, R. Quentin¹
¹Centre de Recherche en Neurosciences de Lyon (CRNL), Lyon, France
Oral Presenter: Pauline Mouchès, FR

Symposium

15:30 - 17:30

Rhône 2

S26 - Behavioral and brain mechanisms for spatial hearing in naturalistic environments*Chair:* Pascal Barone, FR

- S26.1 **SPHERE, a new tool for evaluation and rehabilitation of spatial hearing**
Speaker: Valérie Gaveau, FR
- S26.2 **Training spatial hearing skills in cochlear implant users: a multisensory and active listening approach**
Speaker: Francesco Pavani, IT
- S26.3 **Spatial unmasking and hearing impairment: prediction of binaural intelligibility in noise and reverberation**
Speaker: Mathieu Lavandier, FR
- S26.4 **Brain plasticity in unilateral deafness and its rehabilitation**
Speaker: Pascal Barone, FR

- S26.5 **Brain Plasticity And Auditory Spatial Adaptation In Patients With Unilateral Hearing Loss: Evidence From Mismatch Negativity (Mmn)**
M. Alzaher¹, K. Strelnikov¹, M. Marx², P. Barone¹
¹CerCo/CNRS, Toulouse, France, ²ENT department - University hospital of purpan, Toulouse, France
 Oral Presenter: Mariam Alzaher, FR

Symposium
 15:30 - 17:30

Rhône 3

S27 - The Cognitive Thalamus

Chair: Mathieu Wolff, FR

- S27.1 **Contribution of the mediodorsal thalamic nucleus to odor-guided behavior**
 Speaker: Emmanuelle Courtiol, FR
- S27.2 **Memory control by the higher-order sensory thalamus**
 Speaker: Belen Pardi, DE
- S27.3 **The Reuniens and Rhomboid nuclei : what they do and what they may not do in memory persistence**
 Speaker: Anne H Pereira De Vasconcelos, FR
- S27.4 **Is the mediodorsal nucleus of the thalamus involved in memory in humans?**
 Speaker: Emmanuel Barbeau, FR
- S27.5 **Role Of Central Thalamus In Disorders Of Consciousness: Insight From A Multimodal Pet-Mr Study In Acute Comatose Patients**
M. Beaudoin-Gobert¹, I. Mérida², N. Costes², F. Perrin¹, N. André-Obadia³, F. Dailier³, C. Lartizien⁴, B. Riche⁵, D. Maucort-Boulch⁵, J. Luauté⁶, F. Gobert³
¹Centre de Recherche en Neurosciences de Lyon, Bron, France, ²Cermep - Imagerie du Vivant, Bron, France, ³Hospices Civils de Lyon, Hôpital Neurologique, Bron, France, ⁴CREATIS, Villeurbanne, France, ⁵Hospices Civils de Lyon, Pôle Santé Publique, Bron, France, ⁶Hospices Civils de Lyon, Hôpital Henri Gabriel, Saint Genis Laval, France
 Oral Presenter: Maude Beaudoin-Gobert, FR

Symposium
 15:30 - 17:30

Saint Clair 3

S28 - Extracellular synaptic scaffolders: shaping synaptic function from the outside

Chair: Jean-Louis Bessereau, FR

- S28.1 **Matricryptins, hidden players of functional diversification for extracellular synaptic organizers**
 Speaker: Jean-Louis Bessereau, FR
- S28.2 **Specifying the identity of a single synapse type: the climbing fiber/Purkinje cell synapse**
 Speaker: Fekrije Selimi, FR
- S28.3 **Cell-surface interactions and downstream signaling pathways in regulating excitatory synapse development**
 Speaker: Joris De Wit, BE

- S28.4 **Trans-synaptic interactions of ionotropic glutamate receptors in synaptic development**
Speaker: Cécile Charrier, FR
- S28.5 **A Synaptic Analysis Reveals Dopamine Hub Synapses In The Mouse Striatum**
V. Paget-Blanc¹, M. E. Pfeffer¹, M. Pronot¹, P. Lapios¹, M.-F. Angelo¹, R. Walle², F.P. Cordelières³, F. Levet^{1,3}, S. Claverol⁴, S. Lacomme³, M. Petrel³, C. Martin¹, V. Pitard⁵, V. De Smedt Peyrusse², T. Biederer⁶, D. Perrais¹, P. Trifilieff², E. Herzog¹
¹Univ. Bordeaux, CNRS, Interdisciplinary Institute for Neuroscience, IINS, UMR 5297, Bordeaux, France, ²Univ. Bordeaux, CNRS, Bordeaux INP, NutriNeuro, UMR 1286, Bordeaux, France, ³Univ. Bordeaux, CNRS, INSERM, Bordeaux Imaging Center, BIC, UAR 3420, US 4, Bordeaux, France, ⁴Univ. Bordeaux, Plateforme Proteome, Bordeaux, France, ⁵Univ. Bordeaux, CNRS UMS 3427, INSERM US 005, UB'FACSility, Bordeaux, France, ⁶Department of Neurology, Yale School of Medicine, New Haven, United States
Oral Presenter: Vincent Paget-Blanc, FR

Ceremony

17:30 - 18:30

Auditorium Lumière

C02 - General Assembly & Awards Ceremony

Alfred Fessard Lecture

18:30 - 19:30

Auditorium Lumière

PL06 - The neuroendocrine key to the brain aging enigma

PL06.1

Lecture

Speaker: Vincent Prevot, FR

Friday, 26. May 2023*Plenary Lecture*

09:00 - 09:30

Auditorium Lumière

PL07 - Problem solving in slime molds

PL07.1

Lecture*Speaker:* Audrey Dussutour, FR*Poster Session*

09:00 - 16:00

Forums

PS03 - Posters Presentations**1: Neurodevelopment**

P3.001

A FUNCTIONAL BRAIN-ON-CHIP DEVICE TO STUDY NEURAL PLASTICITYM. Poinso¹, M. Cazorla², W. César³¹Institut de Neurosciences de la timone & Fluigent, Marseille, France, ²Institut de Neurosciences de la Timone, Marseille, France, ³Fluigent, Le Kremlin-Bicêtre, France*Poster Presenter:* Maxime Poinso, FR

P3.002

EFFECTS OF CONGENITAL BLINDNESS ON THE DEVELOPMENT AND PLASTICITY OF THE OLFACTORY SYSTEM: INPUT FROM ODOR-EVOKED SNIFFING AND OPTICAL IMAGING RECORDINGSS. Al Ain¹, N. Bouguiyou¹, J. Frasnelli¹, B. Messaoudi², S. Garcia², A.-M. Mouly², P. Litaudon², E. Courtiol²¹Université du Québec à Trois-Rivières, Anatomy, Trois-Rivières, Canada, ²Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL, U1028 UMR5292, CMO, Bron, France*Poster Presenter:* Syrina Al Ain, CA

P3.003

CONTROL OF SYNAPSE FORMATION BY NOVEL EXTRACELLULAR INTERACTIONS IN CAENORHABDITIS ELEGANSM. Mialon¹, L. Patrash¹, J.-L. Bessereau¹, B. Pinan-Lucarre¹¹INMG-MeLis, Lyon, France*Poster Presenter:* Morgane Mialon, FR

P3.004

CONTRALESIONAL BRAIN GROWTH DYNAMICS IN CHILDHOOD AND ADOLESCENCE AFTER A UNILATERAL NEONATAL STROKE : A LONGITUDINAL MRI STUDY.P.-Y. POSTIC^{1,2}, S. BROSSET^{1,2}, I. BEN ABDALLAH^{1,2}, C. RENAUD³, G. MEDIOUNI¹, S. CHABRIER³, M. DINOMAIS⁴, Y. LEPRINCE¹, L. HERTZ-PANNIER^{1,2}¹CEA Saclay NeuroSpin, UNIACT InDev, Gif-sur-Yvette, France, ²Inserm, Université Paris Cité, Hopital Robert Debré, inDEV, U1141-NeuroDiderot, Paris, France, ³CHU de Saint-Etienne, Saint Etienne, France, ⁴CHU d'Angers, Angers, France*Poster Presenter:* Pierre-Yves Postic, FR

P3.005

INVESTIGATING THE CONTRIBUTION OF LYSOSOMAL DYSFUNCTION TO ABNORMAL CORTICAL DEVELOPMENT IN HEREDITARY SPASTIC PARAPLEGIA SPG11D. Samaroo¹, F. Darios¹

¹Sorbonne University, Paris, France

Poster Presenter: Dominic Samaroo, FR

P3.006

MODIFIED CLIMBING FIBER/PURKINJE CELL SYNAPTIC CONNECTIVITY IN THE CEREBELLUM OF THE NEONATAL PHENCYCLIDINE MODEL OF SCHIZOPHRENIA

B.E. Urrieta Chavez¹, M. Veleanu¹, S. Sigoillot¹, M. Paul¹, A. Usardi¹, K. Iyer¹, M. Delagrangé², J. Doyle³, N. Heintz³, C. Bécamel⁴, F. Selimi¹

¹CIRB - Collège de France, Paris, France, ²Plateforme qPCR HD GPC, Institut de Biologie de l'Ecole Normale Supérieure, Paris, France, ³Howard Hughes Medical Institute, The Rockefeller University, New York, United States, ⁴Institute for Functional Genomics (IGF), University of Montpellier, Montpellier, France

Poster Presenter: Beetsi Eugenia Urrieta Chavez, FR

P3.007

MATERNAL STRESS AS A VULNERABILITY FACTOR FOR ALCOHOL-INDEED NEUROBEHAVIORAL ADAPTATIONS: FOCUS ON SEX DIFFERENCES

S. MORLEY FLETCHER¹, H. BOUWALERH², A. GAETANO², A. JAQUEMART², M. KABBAJ³, F. NICOLETTI⁴, S. MACCARI²

¹UMR8576 UGSF CNRS/Univ Lille, Villeneuve d'Ascq, France, ²UMR 8576 UGSF CNRS/Univ Lille, Villeneuve d'Ascq, France, ³Biomedical Sciences, Florida State University, Tallahassee, United States, ⁴NEUROMED/ University of Rome La Sapienza, Rome, Italy

Poster Presenter: Sara Morley Fletcher, FR

P3.008

THE HERBICIDES GLYPHOSATE, GLUFOSINATE AND THE CYANOTOXIN BMAA INDUCE LONG-TERM MOTOR DISORDERS AFTER POSTNATAL EXPOSURE: THE IMPORTANCE OF A PRIOR ASYMPTOMATIC MATERNAL INFLAMMATORY SENSITIZATION

A. Oummadi¹, A. MENUET², S. Méresse¹, A. LAUGERAY³, G. Guillemin⁴, S. MORTAUD²

¹INEM UMR 7355 CNRS, ORLEANS CEDEX 2, France, ²INEM UMR 7355 CNRS _ University of Orléans, ORLEANS CEDEX 2, France, ³Faculty of Biology and Medicine, Department of Fundamental Neurosciences, Lausanne, Switzerland, ⁴Faculty of Medicine and Human Health Sciences, Center for MND Research, Sydney, Australia

Poster Presenter: Asma Oummadi, FR

P3.009

DYNAMICS OF AXON GUIDANCE TRANSCRIPTIONAL PROGRAMS DURING THE FORMATION OF ENTERIC NERVOUS CIRCUITS.

M. Andre¹, F. Boismoreau¹, G. Marcy², M. Bozon¹, R. Gury¹, R. Duclaux-Loras³, N. Peretti³, J. Falk¹, V. Castellani¹

¹MeLiS - Institut NeuromyoGene - Université Claude Bernard Lyon 1, MeLiS | CNRS UMR 5284 | INSERM U1314, Lyon, France, ²Université Claude Bernard Lyon 1, Bioinformatic platform of the Labex Cortex, Lyon, France, ³Hépto-Gastroentérologie et Nutrition pédiatrique, BRON cedex, France

Poster Presenter: Maëlys Andre, FR

P3.010

SEROTONINERGIC REGULATION OF BODY AXIS ALIGNMENT IN THE POST EMBRYONIC ZEBRAFISH

G. Messa¹, Y. Cantaut-Belarif¹

¹Sorbonne Université (SU), Institut du Cerveau (ICM), Inserm U 1127, CNRS UMR 7225, Paris, France

Poster Presenter: Giulia Messa, FR

P3.011

RAD51 POLYMERIZATION IS ALTERED IN CONGENITAL MIRROR MOVEMENTS

C. Dubacq¹, O. Trouillard^{1,2}, P. Dupaigne³, M. Dunoyer⁴, M. Doulazmi⁵, M.-P. Morel¹, M.K. Herlin⁶, S. Frismand⁷, A. Riou⁸, V. Legros⁹, G. Chevreux⁹, X. Veaute¹⁰, D. Busso¹⁰, C. Fouquet¹, C. Saint-Martin¹¹, A. Trembleau¹, I. Dusart¹, E. Roze^{2,12}

¹Sorbonne Université, INSERM, CNRS, Institut de Biologie Paris Seine, IBPS, Neurosciences Paris Seine, NPS, Paris, France, ²Sorbonne Université, Institut du Cerveau - Paris Brain Institute - ICM, Inserm, CNRS, AP-HP, Hôpital Pitié-Salpêtrière, Paris, France, ³Gustave Roussy, Université Paris-Sud, Université Paris-Saclay, Genome Maintenance and Molecular Microscopy UMR9019 CNRS, Villejuif cedex, France, ⁴AP-HP, Hôpital Pitié-Salpêtrière, Département de Neurologie, Paris, France, ⁵Sorbonne Université, INSERM, CNRS, Institut de Biologie Paris Seine, IBPS, Biological Adaptation and Ageing, B2A, Paris, France, ⁶Aarhus University Hospital, Department of Clinical Genetics, Aarhus, Denmark, ⁷CHRU de Nancy, Service de Neurologie, Nancy, France, ⁸CHU Rennes, Service de génétique clinique & Service de neurologie, Rennes, France, ⁹Université Paris Cité, CNRS, Institut Jacques Monod, Paris, France, ¹⁰Université Paris Cité, Université Paris-Saclay, Inserm, CEA, Stabilité Génétique Cellules Souches et Radiations, CIGEX/iRCM/IBFJ, Fontenay-aux-Roses, France, ¹¹Sorbonne Université, AP-HP, Hôpital Pitié-Salpêtrière, Département de Génétique Médicale, Paris, France, ¹²AP-HP, Hôpital Pitié-Salpêtrière, DMU Neurosciences 6, Paris, France

Poster Presenter: Caroline Dubacq, FR

P3.012

TOWARD THE UNPRECEDENTED DESCRIPTION OF WHITE MATTER INJURIES OF PREMATURE BABIES : EX VIVO 11,7T MR MULTIMODAL IMAGING OF FETAL BRAIN DEVELOPMENT

L. ARCAMONE^{1,2}, C. POUPON³, S. KHUNG⁴, H. ADLE-BIASSETTE⁵, Y. LEPRINCE², L. HERTZ-PANNIER^{1,2}

¹UMR 1141 NeuroDiderot, Eq inDEV, INSERM, Université Paris Cité, Hôpital Robert Debré, Paris, France, ²UNIACT, NeuroSpin, CEA, Université Paris-Saclay, Gif-sur-Yvette, France, ³BAOBAB, NeuroSpin, Université Paris-Saclay, CNRS, CEA, Gif-sur-Yvette, France, ⁴Unité fonctionnelle de fœtopathologie, AP-HP, Hôpital Universitaire Robert-Debré, Paris, France, ⁵Service d'Anatomie Pathologique, AP-HP, Hôpital Lariboisière, Paris, France

Poster Presenter: Lucas Arcamone, FR

P3.013

CONSEQUENCES OF NEONATAL MATERNAL SEPARATION ON THE DEVELOPMENT OF SENSORIMOTOR - FUNCTION AND PAIN SENSATION: A COMPARISON BETWEEN WISTAR AND SPRAGUE DAWLEY RAT.

Y. Brik¹, G. Gazzo¹, A. Caussaint¹, V. Lelièvre¹, M. Melchior², P. Poisbeau¹

¹Université de Strasbourg, CNRS UPR3212 Institut des neurosciences cellulaires et intégratives, Strasbourg, France, ²Université de Strasbourg, Laboratoire de Neurosciences Cellulaires et Adaptatives, Strasbourg, France

Poster Presenter: Yasmine Brik, FR

P3.014

B-N-METHYL-AMINO-L-ALANINE CYANOTOXIN PROMOTES MODIFICATION OF UNDIFFERENTIATED CELLS POPULATION AND DISRUPTS THE INFLAMMATORY STATUS IN PRIMARY CULTURES OF NEURAL STEM CELLS

- S. Méresse*¹, *V. LARRIGALDIE*¹, *A. Oummadi*¹, *A. MENUET*¹, *C. Montécot-Dubourg*¹, *S. MORTAUD*¹
¹INEM UMR 7355 CNRS, ORLEANS CEDEX 2, France
 Poster Presenter: Sarah Méresse, FR
- P3.015 **EARLY FUNCTIONS OF ATP1ALPHA3 SUBUNIT IN THE EMBRYONIC SPINAL CORD**
*S. Calvet*¹, *S. Dinvaux*¹, *O. Pascual*¹, *R. Ferrigno*², *F. Moret*¹, *J. Falk*¹, *V. Castellani*¹
¹Université Claude Bernard Lyon 1, MeLis | CNRS UMR 5284 | INSERM U1314/ Faculté de Médecine et de Pharmacie - 3ème étage, LYON, France, ²Université Claude Bernard Lyon 1, Institut des Nanotechnologies de Lyon UMR CNRS, Villeurbanne cedex, France
 Poster Presenter: Sophie Calvet, FR
- P3.016 **NEURONAL METABOLISM IS ALTERED IN THE 16P11.2DF/+ DELETION SYNDROME.**
*S. Yandiev*¹, *S. Naz*², *B. Lacoste*^{3,4}, *J. Courchet*¹
¹University of Claude Bernard Lyon 1, NeuroMyoGene Institute - PGNM, Lyon, France, ²University of Ottawa, Metabolomics Core Facility, Ottawa, Canada, ³University of Ottawa, Faculty of Medicine - Department of Cellular and Molecular Medicine, Ottawa, Canada, ⁴University of Ottawa, Faculty of Medicine - Brain and Mind Research Institute, Ottawa, Canada
 Poster Presenter: Sozerko Yandiev, FR
- P3.017 **CHARACTERIZATION OF EARLY BRAIN DEVELOPMENT AND NEOCORTICAL AREA PATTERNING IN A MOUSE MODEL OF HUNTINGTON'S DISEASE.**
*L. Ratié*¹, *C. Lafage*¹, *L. Dias*¹, *S. Humbert*^{1,2}
¹Grenoble Institut Neurosciences, INSERM U1216, LA TRONCHE, France, ²Institut du Cerveau et de la Moelle épinière, Hôpital Pitié-Salpêtrière, Paris, France
 Poster Presenter: Leslie Ratié, FR
- P3.018 **A SEMI-AUTOMATED PIPELINE FOR CELL DETECTION AND WHITE MATTER SEGMENTATION IN THE MACAQUE BRAIN**
*N. Vinçon*¹, *Y. Hou*¹, *P. Misery*¹, *C. Lamy*¹, *K. Knoblauch*¹, *J. Vezoli*¹, *H. Kennedy*¹
¹University of Claude Bernard Lyon 1, Stem-cell and Brain Research Institute, Bron, France
 Poster Presenter: Nathan Vinçon, FR
- P3.019 **GENOTYPE/PHENOTYPE CORRELATION IN PAK3-LINKED NEURODEVELOPMENTAL DISORDERS: PATIENT COHORT STUDY AND MULTI-SCALE ANALYSIS OF A NOVEL KNOCK-IN MODEL REVEAL SEVERAL CATEGORIES OF PAK3 MUTATIONS AND THE MOLECULAR MECHANISM UNDERLYING SEVERE CASES**
*M. Dobrigna*¹, *S. Poëa-Guyon*¹, *V. Rousseau*¹, *M. LEGRAS*¹, *L. Gonzalez*¹, *K. DUARTE*¹, *C. LEK*¹, *C. Sebré*², *S. Marty*³, *A. Vincent*⁴, *F. Laumonnier*⁵, *C. VAILLEND*¹, *G. DALLERAC*¹, *R. POIRIER*¹, *A. TOUTAIN*⁵, *J.-V. BARNIER*¹
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Poster Presenter: Manon Dobrigna, FR

- P3.020 **QUANTITATIVE MODELING OF CRE RECOMBINATION IN LOX SITE ARRAYS YIELDS NEW BRAINBOW TRANSGENES FOR NEURONAL LABELING AND CLONAL ANALYSIS**
A. Marcireau¹, G. Kaddour¹, M. Le¹, G. Le Dréau¹, N. Auger¹, S. Tozer¹, D. Niculescu¹, M. Lerat¹, S. Esposito¹, K. Baloji¹, S.-H. Ieng¹, R. Benosman¹, J. Livet¹
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 Poster Presenter: Gabriel Kaddour, FR
- P3.021 **MEMBRANE FUSION IN E. COLI UPON EXPRESSION OF SYNAPTIC SNARES AND CAVEOLIN: A SYNTHETIC BIOLOGY APPROACH TO STUDYING SNARE PROTEIN FUNCTION IN A BACTERIAL HOST**
N. Singh¹, S. Ferreras¹, R. Leborgne², P. Bun³, T. Binz⁴, R. Parton⁵, J.-M. Verbavatz², C. Vannier¹, T. Galli¹
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 Poster Presenter: Neha Singh, FR
- P3.022 **GENERATION OF AN INNOVATIVE HUMAN MODEL OF PARKINSON'S DISEASE WITH ASSEMBLED HUMAN BRAIN ORGANOIDS**
P. Lachal¹, J. Heneine¹, B. Galet¹, N. Rebola², H. Cheval¹, P. Ravassard¹
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 Poster Presenter: Pauline Lachal, FR
- P3.023 **A PILOT STUDY PROTOCOL: EXAMINE BRAIN FUNCTIONING IN CHILDREN BY COMBINING MOBILE ELECTROENCEPHALOGRAPHIC DEVICES AND GAMIFIED TASKS ON AN UNMODIFIED TOUCH-SCREEN TABLET**
T. Marchand¹, V. Douet-Vannucci², C. Rezaei³, P. Staccini², A. Hennequin⁴, R. O'Connor³
¹Ecole des Mines de Saint Etienne, Marseille, France, ²Université de Nice, Nice, France, ³Ecole des Mines de Saint Etienne, Gardanne, France, ⁴O-Kidia R&D Department, Nice, France
 Poster Presenter: Théo Marchand, FR
- P3.024 **ION2: DIRECT TRANSGENESIS OF NEURAL STEM CELLS TO TRACE CELL LINEAGE AND ACCESS GENE FUNCTION**
J. Livet¹, T. Kumamoto², K. Keshavarz-Ferajkhah¹, V. Medvedeva¹, S. Esposito¹, G. Le Dréau¹, Y. Kostenko¹, K. Baloji¹, F. Maurinot¹, R. Barry-Martinet¹, C. Vaslin³, S. Vandormael-Pourmin⁴, M. Le¹, M. Lerat¹, D. Niculescu¹, M. Cohen-Tannoudji⁴, A. Rebsam¹, K. Loulier⁵, S. Tozer⁶, S. Nedelec³, J. Livet¹
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Poster Presenter: Jean Livet, FR

- P3.025 **INVOLVEMENT OF PARVALBUMIN INTERNEURONS IN STRIATAL DYSFUNCTIONS OF THE CNTNAP2^{-/-} MOUSE MODEL OF AUTISM SPECTRUM DISORDERS**
M. Thabault¹, C. Fernandes Gomes¹, A.-L. Huot², É. Balado¹, M. Francheteau¹, A. Balbous-Gautier³, C. Le Goff¹, A. Cantereau⁴, P.-O. Fernagut¹, L. Galvan¹
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Poster Presenter: Mathieu Thabault, FR

- P3.026 **THE WARBURG MICRO SYNDROME IS ASSOCIATED TO A MAJOR ALTERATION OF THE AUTOPHAGY PATHWAY IN FETAL BRAIN.**
N. de Roux¹, A. Orts Del'Imagine¹, S. Lebon¹, V. El Ghouzzi¹, Y. Capri², F. Guimiot¹
¹Université Paris Cité, NEURODIDEROT, Paris, France, ²Hopital Robert Debré, Génétique Clinique, Paris, France

Poster Presenter: Adeline Orts Del'Imagine, FR

- P3.027 **THE CORE PCP PROTEIN PRICKLE2 REGULATES AXON NUMBER AND AIS MATURATION BY BINDING TO ANKG AND MODULATING MICROTUBULE BUNDLING**
 Poster Presenter: Jerome Ezan, FR

2: Neuro-excitability, synapse and glia

- P3.031 **FUNCTIONAL INTEGRATION OF IDENTIFIED MULTISENSORY SYNAPTIC INPUTS ON GABAERGIC INTERNEURONS IN THE NEOCORTEX.**
L. Velez¹, P. Molle¹, A. Lampin-St-Amaux¹, T. Bienvenu², R.A. Silver³, Y. Humeau¹, F. LANORE¹
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- Poster Presenter: Legeolas Velez, FR
- P3.032 **REGIONAL AND TIME DIFFERENCE IN K⁺ CLEARANCE IN HIPPOCAMPAL SLICES OF HEALTHY MICE**
N. Kiani¹, A. Ivanov¹, C. Bernard¹
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- Poster Presenter: Nariman Kiani, FR
- P3.033 **BRAIN GLYCOGEN STORE RECRUITMENT ACCELERATES REPOLARIZATION AFTER CORTICAL SPREADING DEPOLARIZATION**
S. CHEN¹, A. MEILLER¹, B. BALANCA¹, S. MARINESCO¹
¹Université de Lyon 1, Lyon Neuroscience Research Center, Lyon,

France

Poster Presenter: Shuting Chen, FR

- P3.034 **MOLECULAR MECHANISMS OF SPINOGENESIS IN THE CONTEXT OF REWARD-REGULATED LEARNING**
L. Huet¹, E. Cuoc², F. Arrivet³, N. Heck¹
¹Sorbonne Université, Neurosciences Paris Seine, Paris, France, ²Université Grenoble Alpes, Grenoble Institut Neurosciences, Grenoble, France, ³CNRS, Neurosciences Paris Seine, Paris, France
 Poster Presenter: Lisa Huet, FR
- P3.035 **HOMEOSTATIC CONTROL OF NEUROMUSCULAR SYNAPTIC TRANSMISSION**
G. Ouanounou¹, T. Bal¹
¹CNRS/Université Paris-Saclay, Institut des neurosciences Paris-Saclay UMR9197 CNRS/Université Paris-Saclay, Saclay, France
 Poster Presenter: Gilles Ouanounou, FR
- P3.036 **MICROGLIA MORPHODYNAMICS REGULATION BY NEURONAL ACTIVITY: A DAYTIME MATTER?**
K. Combet^{1,2}, J. Honnorat^{1,2,3}, J.-C. Comte^{1,4}, O. Pascual^{1,2}
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 Poster Presenter: Kassandre Combet, FR
- P3.037 **A NANOBODY ACTIVATING METABOTROPIC GLUTAMATE RECEPTOR 4 DISCRIMINATES BETWEEN HOMO AND HETERODIMERS**
L. Prézeau¹, J. Haubrich¹, J. font¹, A. Goupil-Lamy², P. Scholler¹, D. Névoltris³, F. Acher⁴, P. Chames³, P. Rondard¹, J.-P. Pin¹
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 Poster Presenter: Laurent Prézeau, FR
- P3.038 **CREATINE KINASE B PROVIDES THE STARTER ENERGY FOR ENDOSOMAL MOTILITY.**
M. Saliba¹, e. cuoc¹, M. Prieto Garcia¹, C. Scaramuzzino¹, f. saudou¹
¹Univ. Grenoble Alpes, Inserm U1216, CHU Grenoble Alpes, Grenoble Institut Neuroscience, Grenoble, France
 Poster Presenter: Myriam Saliba, FR
- P3.039 **UNDERSTANDING THE PHASE AMPLITUDE COUPLING - THE BOUND BETWEEN THE INHIBITION/EXCITATION BALANCE**
A. Er¹, L. Karouni¹, A. Lackmy-Vallée¹, M. Le Van Quyen¹, G. Marrelec¹, V. Marchand-Pauvert¹
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Poster Presenter: Alper Er, FR

- P3.040 **SEX-DEPENDENT 5-HT6RS EFFECTS ON HIPPOCAMPAL SYNAPTIC ACTIVITY**
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¹Normandie Univ, UNICAEN, INSERM, CYCERON, CHU Caen, COMETE UMR 1075, Caen, France
Poster Presenter: Caroline Lahogue, FR
- P3.041 **CHARACTERIZATION OF ASTROCYTE ACTIVITY MODULATION USING FUNCTIONAL NEUROIMAGING**
M. Pereira¹, B. Vidal², M. Valdebenito³, L. Vidal¹, L. Nestor⁴, D. De Bundel⁴, I. Smolders⁴, M. Droguerre², L. Zimmer^{1,3,5}
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Poster Presenter: Mickaël Pereira, FR
- P3.042 **DO NEUROTRANSMITTERS REGULATE ASTROCYTE-DERIVED EXTRACELLULAR VESICLE SECRETION AND MIRNA CONTENT?**
R. Hekking¹, Y. Gassama², L. Franco², A. Oliveira¹, L. Barry-Carroll³, J.-C. Delpech³, V. Rouglan¹, T. Leste-Lasserre¹, C. Leger¹, P. Ciofi¹, E. Avignone¹, A. Favereaux², A. Panatier¹
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Poster Presenter: Rebecca Hekking, FR
- P3.043 **FUNCTIONAL ROLE OF ASTROCYTIC MGLUR5 IN THE REGULATION OF SYNAPTIC TRANSMISSION IN ADULTHOOD**
A. Panatier¹, S. Mountadem¹, S.H.R. Oliet¹
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Poster Presenter: Aude Panatier, FR
- P3.044 **ASSESSMENT OF IN VITRO HUMAN NEUROMUSCULAR JUNCTION FUNCTIONALITY USING A CUSTOM MICRO ELECTRODE ARRAY (MEA) PLATFORM FOR THE STUDY OF SPINAL MUSCULAR ATROPHY**
P. Duc¹, M. Vignes², G. Hugon³, A. Sebban⁴, G. Carnac³, E. Malyshev⁴, B. Charlot⁴, F. Rage¹
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Poster Presenter: Pauline Duc, FR
- P3.045 **MICROGLIA-ASTROCYTE CROSSTALK INCREASES MORPHINE METABOLISM DURING NEUROINFLAMMATION**
V. HOVHANNISYAN¹, A.-K. BERKATI¹, F. GABEL¹, V. ANDRY^{1,2}, Y. GOUMON^{1,2}
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Poster Presenter: Volodya Hovhannisyan, FR

- P3.046 **MINIMAL BIOPHYSICAL MODEL OF NEURON-ASTROCYTE INTERACTION**
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 Poster Presenter: Aitakin Ezzati, FR
- P3.047 **CHARACTERIZATION OF MOUSE SONIC HEDGEHOG WITH NEURONAL AND OLIGODENDROGLIAL MARKERS**
M. Russo¹, G. Pellegrino², H. Faure¹, A. Sharif², M. Ruat¹
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 Poster Presenter: Mariagiovanna Russo, FR
- P3.048 **CORRELATION BETWEEN SPIKE AND AHP IS A DETERMINANT OF MITRAL CELL SPIKING IN THE OLFACTORY BULB.**
C. AMAT¹, M. ZBIL², N. KUCKEWSKI³, N. FOURCAUD-TROCME³
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 Poster Presenter: Corine Amat, FR
- P3.049 **ROLE OF COLLAGEN XVIII/CLE-1 IN SYNAPTIC ORGANISATION**
A. DUMAS¹, M. Cizeron¹, L. Granger¹, O. Romatif¹, C. Vachon¹, J.-L. Bessereau¹
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 Poster Presenter: Anaïs Dumas, FR
- P3.050 **HUMAN EPIDERMIS INNERVATED WITH HUMAN IPSC-DERIVED SENSORY NEURON IN MICROFLUIDIC DEVICE TO REPLACE ANIMAL MODELS IN DRUG DEVELOPMENT**
A. Guichard¹, H. Gautier¹, T. Bessy¹, L. Dubuisson¹, S. Cadau², C. Prier², V. Andre-Frei², T. Honegger¹
¹NETRI, Lyon, France, ²BASF Beauty Care Solutions, Lyon, France
 Poster Presenter: Alexandre Guichard, FR
- P3.051 **RELATIONSHIPS BETWEEN GRANULE CELL LINEAGES AND FUNCTIONAL SYNAPTIC ORGANIZATION IN THE CEREBELLAR CORTEX**
F. Doussau¹, J. Wandhammer¹, E. Johannes¹, T. Gagneux¹, J. Livet², P. Isope¹
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 Poster Presenter: Frédéric Doussau, FR

3: Neurological and psychiatric diseases, experimental therapeutics

- P3.056 **DEVELOPMENT OF A PRECLINICAL MODEL OF REM SLEEP BEHAVIOR DISORDER (RBD), A PRODROMAL PARASOMNIA OF PARKINSON'S DISEASE, IN M83 TRANSGENIC MICE**
S. ARTHAUD¹, M. GRENOT¹, L. LAKHDAR², T. BARON², P. FORT¹
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Poster Presenter: Sebastien Arthaud, FR
- P3.057 **ANTISENSE OLIGONUCLEOTIDE GENERATES A PATHOGENIC CASPASE-RESISTANT HUNTINGTIN ISOFORM WHILE KEEPING HUNTINGTIN NORMAL FUNCTION IN MOUSE**
S. Lenoir¹, H. Kim², A. Helfricht³, T. Jung^{2,4}, Z.K. Karneva³, Y. Lee², W. Beumer³, G.B. van der Horst³, H. Anthonijsz³, L.C. Buil³, F. van der Ham³, G.J. Platenburg³, P. Purhonen⁴, H. Hebert⁴, S. Humbert¹, F. Saudou¹, P. Klein³, J.-J. Song²
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Poster Presenter: Sophie Lenoir, FR
- P3.058 **EFFECT OF BINGE LIKE SUCROSE INTAKE ON NEUROINFLAMMATORY GENE EXPRESSION IN RATS**
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Poster Presenter: Cécile Hildenbrand, FR
- P3.059 **BENEFICIAL EFFECT OF THE ENVIRONMENTAL ENRICHMENT ON TRANSGENIC MOUSE MODEL OF FTD-ALS (FUSOPATHY)**
A. BURGARD¹, I. Grgurina¹, I. Paiva¹, L. Tzeplaeff¹, B. Cosquer¹, S. Le Gras², A. Isik¹, C. Decraene¹, J.-C. Cassel¹, L. Dupuis³, K. Merienne¹, A.-L. Boutillier¹
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Poster Presenter: Anaëlle Burgard, FR
- P3.060 **SOCIAL FUNCTIONING DEFICITS IN SCHIZOPHRENIA ARE ASSOCIATED TO ABNORMAL EARLY FRONTAL ACTIVITIES: EVIDENCE BY ERP RECORDINGS WITH A SOCIAL CONTEXT DECISION-MAKING TASK**
Q.E. Adrian^{1,2,3}, L. Bon^{3,1,2}, L. Boulnois^{1,2}, C. Cellard^{1,4}, M. Kaliuzhna⁵, N. Franck^{1,2,3}, L. Tremblay^{2,3}
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Poster Presenter: Quentin, Eflam Adrian, FR

- P3.061 **NEW INSIGHT INTO THE ANTI-INFLAMMATORY PROPERTIES OF LINOLEIC ACID IN A MURINE MODEL OF DIET -INDUCED OBESITY**
L. Jantzen¹, S. Dumontoy¹, B. Ramadan¹, C. Houdayer¹, A. Hichami², N. Khan², V. Van Waes¹, L. Cabeza¹
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Poster Presenter: Lucas Jantzen, FR
- P3.062 **ACUTE AND CHRONIC COCAINE AND NICOTINE CHANGE THE EXPRESSION OF GENES INVOLVED IN CHOLESTEROL HOMEOSTASIS IN THE RAT DORSAL STRIATUM**
T. Aupy¹, E. Dugast¹, V. Lardeux¹, S. Desmercières¹, P. Belujon¹, M. Solinas¹, N. Thiriet¹
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Poster Presenter: Thomas Aupy, FR
- P3.063 **IMPORTANCE OF MPFC MOLECULAR CLOCK FUNCTION AND MODULATION FOR THE DEVELOPMENT OF DEPRESSION-LIKE PHENOTYPE AND RAPID ANTIDEPRESSANT RESPONSE**
D. SARRAZIN¹, W. Gardner^{1,2}, C. Marchese^{1,2}, M. Balzinger^{1,2}, C. Ramanathan³, M. Veleanu⁴, S. Vestring⁴, C. Normann⁴, M. Barrot², E. Challet², P. Bourgin^{2,5}, T. Serchov^{2,1,4}
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Poster Presenter: David Sarrazin, FR
- P3.064 **TREATMENT EFFECTS BY PHARMACOPUNCTURE OF AQUILARIAE LIGNUM ON CHRONIC FATIGUE SYNDROME-LIKE SYMPTOMS IN RESERPINE-INDUCED ANIMAL MODEL**
J.-H. Song^{1,2}, S.-K. Won^{1,2}, G.H. Eom^{1,2}, J.-Y. Park^{1,2}
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Poster Presenter: Ji-Hye Song, KR
- P3.065 **STUDY ON REGULATING EFFECTS OF ACUPUNCTURE TREATMENT BY VAGUS NERVE IN PAIN AND DEPRESSION COMORBIDITY MOUSE MODEL**
G.H. Eom^{1,2}, S.-K. Won^{1,2}, J.-H. Song^{1,2}, J.-Y. Park^{1,2}
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Poster Presenter: Keun Hyang Eom, KR

- P3.066 **MICROGLIA-ENRICHED HUMAN MIDBRAIN ORGANIDS FOR STUDYING PARKINSON'S DISEASE**
H. Winterberg¹, B. Galet¹, J. Heneine¹, A. Muscat¹, C. Dusanter¹, P. Lachal¹, J. Smeyers¹, M. Latouche¹, P. Ravassard¹, O. Corti¹
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Poster Presenter: Helena Winterberg, FR
- P3.067 **IMPACT OF OLFACTORY FOOD INGREDIENTS IN A CHRONIC STRESS MODEL: STUDY OF THE MECHANISMS OF ACTION AND SEARCH FOR BENEFICIAL CONSEQUENCES ON EMOTIONAL STATE.**
C. Viguier^{1,2}, A. Garreau¹, C. Lejards¹, S. Gauzin¹, M. Allaoua², V. Noirot², P. Etienne², B.P. Guiard¹, L. Moulédous¹
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Poster Presenter: Clémence Viguier, FR
- P3.068 **SPATIAL REGULATION OF NEURONAL AUTOPHAGY**
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Poster Presenter: Caroline Liénard, FR
- P3.069 **OCCURRENCE OF ABSENCE EPILEPSY SEIZURES AT TRANSITIONS BETWEEN BEHAVIORAL STATES**
R. El Mahzoum¹, T.H. Trân¹, A. Bonnot¹, I. Cohen²
¹Sorbonne Université, Neuroscience Paris Seine - Institut de Biologie Paris Seine, Paris, France, ²INSERM, Neuroscience Paris Seine - Institut de Biologie Paris Seine, Paris, France
Poster Presenter: Reda El Mahzoum, FR
- P3.070 **BR351 IMPROVES CLINICAL SYMPTOMS AND NEUROPATHOLOGICAL MARKERS IN THE SJL/J MOUSE MODEL OF MULTIPLE SCLEROSIS**
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Poster Presenter: Benjamin Anizon, FR
- P3.072 **CB2, A RECEPTOR TO TARGET MYELOID CELLS DURING EPILEPTOGENESIS: EVIDENCE FROM STUDIES IN RAT PUPS SUBJECTED TO STATUS EPILEPTICUS**
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Poster Presenter: Laurent Bezin, FR
- P3.073 **ACCELERATION OF THE AMYLOID PLAQUE DEPOSITION INDUCED BY EARLY EPILEPTIC SEIZURES: STUDY IN THE TG-F344-AD TRANSGENIC RAT**
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Poster Presenter: Wanda Grabon, FR

- P3.074 **THERAPEUTIC ADMINISTRATION OF THE BORNA VIRUS X PROTEIN BY THE VIRAL VECTOR AAV10 IN A MOUSE MODEL OF ALS**
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 Poster Presenter: Jéflie Tournezy, FR
- P3.075 **ROLE OF NOISE AND VARIABILITY IN ATYPICAL SENSORY INFORMATION PROCESSING IN AUTISM**
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 Poster Presenter: Théo Gauvrit, FR
- P3.076 **THE ROLE OF LOCUS COERULEUS-NORADRENERGIC SYSTEM IN RESILIENCE FOLLOWING EARLY LIFE STRESS**
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 Poster Presenter: Déa Slavova, FR
- P3.077 **RELATIONSHIP BETWEEN CEREBRAL SEROTONINERGIC PROFILE AND SSRI EFFICACY IN BULIMIA NERVOSA**
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 Poster Presenter: Manel Merabet, FR
- P3.078 **ASSOCIATION BETWEEN POLYPHENOL RICH FOOD PATTERN AND NEUROPSYCHIATRIC SYMPTOMS IN TREATMENT-RESISTANT DEPRESSED (TRD) PATIENTS**
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Poster Presenter: Camille Amadieu, FR

P3.079

DURATION OF SUCROSE BINGEING IMPACTS WELL-BEING AND NEUROINFLAMMATORY PROCESSES IN MICE

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Poster Presenter: Anne-Sophie Aubry, FR

- P3.080 **INVESTIGATING HUNTINGTIN PROTEOLYSIS IN VIVO THROUGH THE DEVELOPMENT AND CHARACTERIZATION OF TIME AND REGION-INDUCIBLE PROTEOLYTIC SYSTEM IN MOUSE.**
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Poster Presenter: Johanna Cormenier, FR
- P3.081 **DEVELOPMENT AND CHARACTERIZATION OF RETINAL ORGANOID DERIVED FROM HUMAN INDUCED PLURIPOTENT STEM CELLS**
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Poster Presenter: Amaury Pénaguin, FR
- P3.083 **EARLY MICROVASCULAR IMPAIRMENT AND NEUROINFLAMMATION AFTER ANEURYSMAL SUBARACHNOID HEMORRHAGE**
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Poster Presenter: Kévin Chalard, FR
- P3.084 **COGNITIVE AND MOLECULAR EFFECTS OF ANTI-AGGREGATIVE TAU OVEREXPRESSION IN MICE MODEL OF TAUOPATHIES**
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Poster Presenter: Enea Parietti, CH
- P3.085 **TARGETING GANGLIOSIDE BIOSYNTHESIS AS A THERAPEUTIC OPTION FOR HEREDITARY SPASTIC PARAPLEGIA SPG11**
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Poster Presenter: Manon Fortier, FR
- P3.086 **GAO-3-02 IMPROVES LEARNING AND MEMORY IN THE TG2576 MOUSE MODEL OF ALZHEIMER'S DISEASE**
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Poster Presenter: Selena Bodennec, FR

- P3.087 **TAU TRANSFER FROM NEURONS TO ASTROCYTES VIA EXTRACELLULAR VESICLES DISTURBS MITOCHONDRIAL FUNCTION**
V. Zufferey¹, R. Perbet², E. Leroux², E. Parietti³, J. Espourteille⁴, L. Culebras⁵, S. Perriot², R. Du Pasquier⁶, S. Bégard², V. Deramecourt², N. Déglon⁷, N. Toni⁸, L. Buée², M. Colin², K. Richetin⁸
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 Poster Presenter: Valentin Zufferey, CH
- P3.088 **INVESTIGATING THE CELLULAR AND MOLECULAR MITOCHONDRIAL STRESS RESPONSE OF HUMAN DOPAMINERGIC NEURONS, WITH A FOCUS ON LONG NON-CODING RNAS**
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 Poster Presenter: Jana Heneine, FR
- P3.089 **FOXO3 AND THE TRANSCRIPTIONAL RESPONSE TO OXIDATIVE STRESS IN DOPAMINERGIC NEURONS DURING PARKINSON'S DISEASE.**
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 Poster Presenter: Baptiste Texier, FR
- P3.090 **A PROSPECTIVE COHORT STUDY INVESTIGATING THE RISK OF SUICIDE RE-ATTEMPT IN ADOLESCENTS AND YOUNG ADULTS AFTER A FIRST SUICIDE ATTEMPT**
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 Poster Presenter: Nadine Barakat, FR
- P3.091 **EXCITATORY/INHIBITORY IMBALANCE IN A TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE**
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Poster Presenter: Floriane Payet, FR

- P3.092 **STUDYING MITOPHAGY IN NEURONAL MODELS OF A-SYNUCLEINOPATHY WITH THE FLUORESCENT MITOROSELLA REPORTER**
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 Poster Presenter: Noemi Asfogo, FR
- P3.093 **INVOLVEMENT OF OLIGODENDROCYTES IN AMYOTROPHIC LATERAL SCLEROSIS (ALS) AND FRONTOTEMPORAL DEMENTIA (FTD) LINKED TO FUSED IN SARCOMA PROTEIN (FUS).**
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 Poster Presenter: Marguerite Jamet, FR
- P3.094 **GAO-3-02, AN ENDOCANNABINOID-LIKE COMPOUND, WITH PER OS ANTI-SEIZURE AND PRO-COGNITIVE EFFECTS. IN-SILICO AND EX-SILICO PHYSICO-CHEMICAL PROPERTIES, PHARMACOKINETIC AND BIODISTRIBUTION STUDIES**
J. Bodennec¹, L. Bezin¹, A. Belmeguenai¹, J. Estelle², L. Lecointre-Wesolowicz², S. Bodennec²
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 Poster Presenter: Jacques Bodennec, FR
- 4: Integrative, sensory and motor neuroscience**
- P3.100 **MULTIPLE PATHWAYS FROM RAT CINGULATE CORTEX TO LOCUS-COERULEUS: THE MOSAIC OF CINGULATE SUBREGIONS EVIDENCED BY DISTINCTIVE PUPIL-EVOKED RESPONSES**
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 Poster Presenter: Vianney Salvi, FR
- P3.101 **CA3 HIPPOCAMPAL SYNAPTIC PLASTICITY SUPPORTS RIPPLE PHYSIOLOGY DURING MEMORY CONSOLIDATION.**
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 Poster Presenter: Yann Humeau, FR
- P3.102 **GLOBAL DISSOCIATION OF THE POSTERIOR AMYGDALA FROM THE REST OF THE BRAIN DURING REM SLEEP**
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Poster Presenter: Antoine Bergel, FR

P3.103

IS COVERT ATTENTION POSSIBLE IN CASE OF SEVERE MOTOR PARALYSIS?

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Poster Presenter: Perrine Seguin, FR

P3.104

ANATOMICAL AND FUNCTIONAL CHARACTERIZATION OF INHIBITORY VESTIBULO-SPINAL NETWORKS IN THE XENOPUS LAEVIS TADPOLE

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Poster Presenter: Léandre Lavenu, FR

P3.105

EXPERIMENTAL AND MODELING EXPLORATION OF A SLOW-WAVE OSCILLATION IN A BRAIN HUB: THE CLAUSTRUM

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Poster Presenter: Ambre Ledoux, FR

P3.106

SYNAPTIC ENCODING OF GUSTATORY INFORMATION

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Poster Presenter: Olga Barba-Vila, FR

P3.107

DEVELOPMENT OF A COMBINED BREATH-SYNCHRONIZED OLFACTOMETER WITH TRANSCRANIAL MAGNETIC STIMULATION REVEALED CHANGES IN CORTICOSPINAL EXCITABILITY BASED ON ODOR HEDONIC VALUE

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Poster Presenter: Cecilia Neige, FR

P3.108

NEURONAL DETERMINANTS OF CONTEXTUAL FEAR GENERALIZATION

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Poster Presenter: Ha-Rang Kim, FR

P3.109 **ROLE OF HUMAN PULVINAR IN VISUO-TACTILE AND AUDIO-VISUAL INTEGRATION DURING THE PERCEPTION OF SALIENT HUMAN FACES**

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Poster Presenter: Maxime Gaudet-Trafit, FR

P3.110 **PROPRIOCEPTIVE TREATMENT FOR PHANTOM PAIN IN AMPUTEES: AN MRI STUDY**

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Poster Presenter: Anne Kavounoudias, FR

P3.111 **REPRESENTATIONAL CHANGE OF BRAIN PATTERN ACTIVITY DURING SEQUENTIAL LEARNING**

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Poster Presenter: Coumarane Tirou, FR

P3.112 **FEAR CONDITIONING TRIGGERS DIFFERENT OFF-STIMULUS NETWORK DYNAMICS FROM SIMPLE HABITUATION IN THE MOUSE PRIMARY AUDITORY CORTEX**

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Poster Presenter: Anthony Saïd Guy Lourdiane, FR

- P3.113 **THE FUNCTIONAL CONNECTIVITY PATTERNS BETWEEN THE INTRAPARIETAL SULCUS AND THE PRIMARY SOMATOSENSORY AREA S1 REVEAL A SPECIFIC SOMATOTOPIC ORGANIZATION IN MACAQUE MONKEYS**
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Poster Presenter: Wei-An Sheng, FR
- P3.114 **RECONSTRUCTING VOICE FROM FMRI USING DEEP NEURAL NETWORK**
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Poster Presenter: Charly Lamothe, FR
- P3.115 **DECODING ACTIVITY PATTERNS ACROSS PYRAMIDAL CELL DENDRITIC TREES DURING BEHAVIOURS**
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Poster Presenter: Antoine M. Valera, FR
- P3.116 **INVOLVEMENT OF POSTERIOR CEREBELLAR MOLECULAR LAYER INTERNEURONS IN REWARD-ORIENTED BEHAVIOR**
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Poster Presenter: Charlotte Lehericy, FR
- P3.117 **QUANTIFYING PERIPHERAL MODULATION OF OLFACTION BY TRIGEMINAL AGONISTS**
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Poster Presenter: Federica Genovese, US
- P3.118 **FXD2 ANTISENSE OLIGONUCLEOTIDE, A NOVEL APPROACH FOR LONG-LASTING RELIEF OF CHRONIC NEUROPATHIC AND INFLAMMATORY PAIN**
D. Maskini¹, A. Derre¹, N. Soler¹, V. Billoux¹, S. Benizri², B. Viale², C. Rivat¹, P. Barthelemy², F. Ango¹, P. Carroll¹, A. Pattyn¹, S. Venteo¹
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Poster Presenter: Dounia Maskini, FR

- P3.119 **AN AI-BASED APPROACH FOR PLANARIAN BEHAVIOR ANALYSIS**
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 Poster Presenter: Quentin Bacquelé, FR
- P3.120 **DOPAMINERGIC DYNAMICS DURING RANDOM-LIKE EXPLORATION IN A REWARD-GUIDED DECISION-MAKING GAME FOR MICE**
M. Come^{1,2}, E. Bousseynol^{1,2}, S. Didienne^{1,2}, L. Keshishian¹, A. Gulmez¹, Y. Layadi¹, T. Ahmed Yahia², P. Faure^{1,2}
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 Poster Presenter: Maxime Come, FR
- P3.121 **NEW BURST DETECTION METHOD REVEALS TASK MODULATION OF BETA BURST WAVEFORM SHAPE**
M. Szul^{1,2}, S. Alavizadeh^{1,2}, J. Bonaiuto^{1,2}
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 Poster Presenter: Maciej Szul, FR
- P3.122 **PLANARIANS POSSESS A LIGHT-INDEPENDENT, CIRCADIAN TIME-DEPENDENT MAGNETIC INCLINATION COMPASS**
H. CADIOU¹, B. ROSE¹, C. LAKHLIFT¹, L.B. CLAUSS¹, L. DUDENHOEFFER¹, S. CABRERA¹, U.A. FERRAZZINI¹, Q. BACQUELE¹, Y. MENGER¹, A. CHAMBODUT², J.-P. LENA³
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 Poster Presenter: Herve Cadiou, FR
- P3.123 **RETINOTOPIC REPRESENTATION OF POSITION CHANGES WITH STIMULUS HISTORY IN MACAQUE VISUAL CORTEX**
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 Poster Presenter: Mohit Srivastava, FR
- P3.124 **TRANSLATIONAL MODEL OF NERVE INJURY-ON-CHIP**
H. Gautier¹, J. Rontard¹, A. Batut¹, C. Baquerre¹, B. Maisonneuve¹, T. Honegger¹
¹NETRI, Lyon, France
 Poster Presenter: Hélène Gautier, FR
- P3.125 **IMPACT OF RETINOTOPIC SUBDIVISIONS OF THE VISUAL CORTEX ON THE PRIMATE CORTICAL MATRIX**
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Poster Presenter: Yujie Hou, FR

- P3.126 **ACTIVATION OF AIR-STEPPING BY L-DOPA IN SPINAL CORD INJURED NEONATAL RATS.**
G. Barrière¹, I. Khsime¹, M. Boulain¹, A. Fettah¹, P. de Deurwaerdere¹, L. Juvin
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 Poster Presenter: Grégory Barrière, FR
- P3.127 **NEURONAL ACTIVITY IN MACAQUES' PREMOTOR CORTEX DURING SOCIAL AFFILIATIVE BEHAVIOURS**
J. Baldi¹, E. Disarbois¹, G. Coudé¹, A. Mendez¹, L. Maigre¹, G. Annicchiarico², M. Cuvilliez¹, J.-R. Duhamel¹, P.F. Ferrari^{1,2}
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 Poster Presenter: Jacopo Baldi, FR
- P3.128 **PAST WORD CONTEXT ENABLE BETTER MEG ENCODING PREDICTIONS THAN CURRENT WORD IN LISTENING STORIES**
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 Poster Presenter: Xavier Hinaut, FR
- 5: Neuroendocrinology and integrative physiology**
- P3.133 **GNRH, A FERTILE NEW PATHWAY FOR THE REGULATION OF FOOD INTAKE**
A. Sicardi¹, C. Vanacker¹, M. Duquenne¹, F. Timzoura¹, F. Sauvé¹, T. Lhomme¹, E. Caron¹, L. Ciobanu², D. Boido², C. Bordier³, G. Kunchcinski³, R. Lopes³, V. Florent⁴, V. Prévot¹
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 Poster Presenter: Alicia Sicardi, FR
- P3.134 **BIDIRECTIONAL CONTROL OF NEUROVASCULAR COUPLING BY PYRAMIDAL NEURONS**
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 Poster Presenter: Esther Belzic, FR
- P3.135 **DIABETIC RETINOPATHY IN A STABILIZED COLONY OF THE FAT SAND RAT PSAMMOMYS OBESUS**
C. ESTAY AHUMADA¹, Catherine E. Estay-Ahumada, Daniela M. Verra, Michel Roux, Fabiana Sassone, Dominique Ciocca and David Hicks
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 Poster Presenter: Catherine Estay Ahumada, FR

- P3.137 **MEDIOBASAL HYPOTHALAMIC RESISTIN/TLR4 SIGNALING PATHWAY ORCHESTRATES THE EARLY ONSET OF HYPOTHALAMIC INFLAMMATION AND GLUCOSE INTOLERANCE INDUCED BY HIGH FAT DIET FEEDING.**
Y. Benomar¹, S. AL RIFAI¹, M. IMBERNON², C. ALEXANDRE¹, G. POIZAT¹, J. GUITTON¹, L. RIFFAULT¹, M. PREVOST¹, V. PREVOT², M. TAOUIS¹
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 Poster Presenter: Yacir Benomar, FR
- 6: Cognitive, affective and behavioral neuroscience, neuroethology**
- P3.142 **LAYER AND CELL-TYPE SPECIFICITY OF PERFORMANCE MONITORING IN MONKEY MIDCINGULATE AND LATERAL PREFRONTAL CORTEX DURING ADAPTIVE BEHAVIOUR**
C. GOUSSI-DENJEAN¹, V. FONTANIER¹, E. PROCYK¹
¹INSERM France, Stem Cell and Brain Research Institute, Bron, France
 Poster Presenter: Clément Goussi-Denjean, FR
- P3.144 **EFFECTS OF MOBILE PHONE RADIOFREQUENCIES (5G) IN HEALTHY AND DEPRESSIVE SUBJECTS: A BEHAVIORAL APPROACH OF ELECTROMAGNETIC HYPERSENSITIVITY (EHS) IN RATS**
A. Pereira de Vasconcelos¹, A. Vérité¹, L. Boch¹, B. Cosquer¹, M. Döbrössy², N. Kuster³, M. Capstick³, J.C. Cassel¹
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 Poster Presenter: Anne H Pereira De Vasconcelos, FR
- P3.145 **INVESTIGATING THE BRAIN RHYTHMS SUBSERVING ATTENTION SPOTLIGHT DYNAMICS USING HIGH RESOLUTION MEG**
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 Poster Presenter: Maryam Mostafalu, FR
- P3.146 **LESIONS WITHIN THE MESOCIRCUIT PREDICT THE EVOLUTION OF PATIENTS WITH DISORDERS OF CONSCIOUSNESS : PRELIMINARY RESULTS FROM A PET-MR STUDY IN INTENSIVE CARE UNIT**
C. Bobichon¹, M. Beaudoin-Gobert¹, A. Clerc¹, F. Daillet², I. Mérida³, N. Costes³, J. Luauté^{1,2}, F. Gobert^{1,2}
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 Poster Presenter: Clémence Bobichon, FR

- P3.147 **SOCIAL ACOUSTIC STRUCTURE AND WHISTLE VARIABILITY IN BOTTLENOSE DOLPHINS**
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Poster Presenter: Faadil Mustun, FR
- P3.148 **LOCAL AND GLOBAL ENVIRONMENT REWARD STRUCTURE SHAPES EXPLORATION AND EXPLOITATION STRATEGY IN HUMANS AND NON-HUMAN PRIMATES**
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Poster Presenter: Mojtaba Alavi, FR
- P3.149 **A NATURAL VARIANT OF THE AUTOPHAGIC RECEPTOR NDP52 AS A NEW TARGET FOR ALZHEIMER'S DISEASE**
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Poster Presenter: Anna Mattioni, IT
- P3.150 **SLOW RHYTHMIC FLUCTUATIONS OF ATTENTION FROM CHILDHOOD TO ADULTHOOD**
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Poster Presenter: Camilla Ziane, FR
- P3.151 **THE DESIRE TO STAY AT HOME AND ANOSODIAPHORIA OF RISKS ASSOCIATED WITH ALZHEIMER'S DISEASE**
C. Compagne^{1,2}, H. Trimaille¹, L. Ferrero², E. Magnin^{3,4}, M. Bonnet⁵, T. Tannou^{6,3}
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Poster Presenter: Charline Compagne, FR
- P3.152 **MODULATION OF PREFRONTAL CORTEX ACTIVITY BY SOCIAL INFORMATION IN NON-HUMAN PRIMATES: AN ELECTROPHYSIOLOGICAL RECORDING AND FUNCTIONAL ULTRASOUND IMAGING STUDY.**
J. Claron¹, C. Goussi¹, E. Procyk¹, T. Deffieux², M. Tanter², P. Pouget³, J. Sallet¹
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Poster Presenter: Julien Claron, FR

- P3.153 **SYSTEMIC NORADRENALINE LEVELS MODULATE FUNCTIONAL COUPLING BETWEEN THE PREFRONTAL AND PARIETAL CORTEX: A FUNCTIONAL ULTRA-SOUND IMAGING STUDY IN BEHAVING MACAQUE MONKEY.**
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 Poster Presenter: Axel Mouille, FR
- P3.154 **NEURAL DYNAMICS UNDERLYING HOMEOSTASIS IN THE BASOLATERAL-AMYGDALA DURING SLEEP**
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 Poster Presenter: Billel Khouader, FR
- P3.155 **BETA OSCILLATIONS IN MONKEY STRIATUM ENCODE REWARD PREDICTION ERROR SIGNALS**
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 Poster Presenter: Ruggero Basanisi, FR
- P3.156 **UPDATING THEORIES OF BRAIN SEROTONIN TO FOSTER CLINICAL ADVANCES**
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 Poster Presenter: Romain Ligneul, FR
- P3.157 **STRUCTURAL CONNECTIVITY OF VOICE SELECTIVE REGIONS: A COMPARATIVE STUDY BETWEEN HUMANS AND MACAQUES**
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 Poster Presenter: Méлина Cordeau, FR
- P3.158 **CAN DOPAMINE REGULATE EXPLORATION IN A MODEL OF THE RHESUS MONKEY BASAL GANGLIA?**
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 Poster Presenter: Benoît Girard, FR
- P3.159 **WHAT DRIVES PUPIL-LINKED BRAIN AROUSAL DURING DECISION MAKING- SURPRISE, UNCERTAINTY, OR BOTH?**
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 Poster Presenter: Peter Pajkossy, HU
- P3.160 **ARE SHEEP REALLY AFRAID OF THE WOLF?**
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Poster Presenter: Inès Achin, FR

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HEMISPHERIC ASYMMETRY IN STATISTICAL LEARNING - A NON-INVASIVE BRAIN STIMULATION STUDY

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Poster Presenter: Orsolya Pesthy, HU

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HOW CHILDREN REPRESENT POWER AND GENDER? A STUDY OF GENDER-POWER ASSOCIATION IN SELFISH, EGALITARIAN AND ALTRUISTIC POWER SITUATIONS

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Poster Presenter: Anna Eve Helmlinger, FR

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EFFECTS OF TIME OF DAY AND LIGHT AT NIGHT ON FOOD SENSORY ALLIESTHESIA

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Poster Presenter: Xi Wang, FR

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COMPETITION BETWEEN EXECUTIVE FUNCTIONS AND STATISTICAL LEARNING: EVIDENCE FROM TWO INDEPENDENT EXPERIMENTS

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Poster Presenter: Felipe Pedraza, FR

- P3.165 **SOCIAL AND NON-SOCIAL STIMULI ACROSS SENSORY MODALITIES ACTIVATES NEURONS IN MACAQUE HYPOTHALAMIC NUCLEI ENRICHED IN OXYTOCIN NEURONS**
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 Poster Presenter: Antoine Ameloot, FR
- P3.166 **ACQUIRING MRI BRAIN IMAGES IN AWAKE UNRESTRAINED SHEEP**
C. Pluchot¹, H. ADRIAENSEN¹, C. PARIAS¹, C. Arnould¹, D. Dubreuil², O. Lasserre², K. Larose², F. Elleboudt¹, J.-N. Couet¹, E. Chaillou¹, S. Love¹
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 Poster Presenter: Camille Pluchot, FR
- P3.167 **MIND OR BODY: QUANTIFYING TIME KEEPING STRATEGIES IN RATS USING POSE ESTIMATION**
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 Poster Presenter: Laetitia Wang, FR
- P3.168 **DOES LOW INTENSITY LIGHT AT NIGHT AFFECT HUMAN BODY TEMPERATURE?**
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 Poster Presenter: Yanlong Hou, FR
- P3.169 **DOES LOW-INTENSITY ARTIFICIAL LIGHT AT NIGHT AFFECT GLUCOSE?**
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 Poster Presenter: Ni Tang, FR
- P3.170 **IMPACT OF ANESTHESIA ON THE FUNCTIONAL ORGANIZATION OF THE FRONTO-PARIETAL NETWORKS IN MACAQUE.**
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Poster Presenter: Sameer Manickam, FR

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SOCIAL MEMORY AND SOCIAL ODOR PREFERENCE ARE DISRUPTED BY ADOLESCENT HIGH-FAT DIET CONSUMPTION THROUGH HIPPOCAMPAL CA2 HYPERACTIVITY.

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Poster Presenter: Alice Fermigier, FR

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INDIVIDUAL MENTAL REPRESENTATION OF DOMINANCE HIERARCHIES IN TONKEAN MACAQUE

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Poster Presenter: Sebastien Ballesta, FR

P3.174

PATIENTS WITH DISORDERS OF CONSCIOUSNESS PRESENT A PREFERENTIAL VISUAL EXPLORATION OF FAMILIAR PICTURES

L. Jourlin¹, A. Clerc², J. Luauté^{2,3}, F. Gobert^{2,3}, M. Beaudoin-Gobert²

¹Ecole des Psychologues Praticiens, Lyon, France, ²Centre de Recherche en Neurosciences de Lyon, Equipe TRAJECTOIRES, Bron, France, ³Hospices Civils de Lyon, Bron, France

Poster Presenter: Juliette Jourlin, FR

P3.175

THE CEREBELLUM PROMOTES SEQUENTIAL FORAGING STRATEGIES AND CONTRIBUTES TO THE DIRECTIONAL MODULATION OF HIPPOCAMPAL PLACE CELLS

L. Zhang¹, J. Fournier¹, M. Fallahnezhad¹, A.-L. Paradis¹, C. Rochefort¹, L. Rondi-Reig¹

¹Sorbonne Université, CNRS, Inserm, Neuroscience Paris Seine - IBPS, Paris, France

Poster Presenter: Laure Rondi-Reig, FR

P3.176

SEX-DEPENDENT INFLUENCE OF PROLONGED STRESS ON DECISION-MAKING ASSESSED IN A NEW OPERANT MOUSE GAMBLING TASK

S. Cramoisy¹, L. Cabeza¹, B. Ramadan¹, C. Houdayer¹, E. Haffen^{1,2,3}, P.-Y. Risold¹, F. Bourasset¹, D. Belin⁴, Y. Peterschmitt¹

¹Laboratoire de Recherches Intégratives en Neurosciences et Psychologie Cognitive UR-LINC 481, Université de Franche-Comté, Université de Bourgogne - Franche-Comté, Besançon, France, ²Service de Psychiatrie de l'Adulte, Centre Hospitalier Universitaire de Besançon CHU, Besançon, France, ³Centre d'Investigation Clinique, CIC-INSERM-1431, Centre Hospitalier Universitaire de Besançon CHU, Besançon, France, ⁴Department

of Psychology, University of Cambridge, Cambridge, United Kingdom

Poster Presenter: Stéphanie Cramoisy, FR

- P3.177 **A GRID-LIKE CODE FOR VALUE-BASED DECISION MAKING**
M.A Orloff¹, S.A Park¹, J. Blumwald¹, P. Domenech², E.D Boorman¹
¹Center for Mind and Brain, UC Davis, Davis, United States, ²Paris Brain Institute, Paris, France
Poster Presenter: Mark A Orloff, US
- P3.178 **HETEROGENEOUS DEFENSIVE BEHAVIORS REFLECT SOCIAL COMPETITION IN MALE AND FEMALE MICE**
A. Chambard¹, S. Boyer¹, C. Quittet¹, T. Vilalta¹, D. Huzard¹, A. François¹, J. Naudé¹, F. Bertaso¹, A. Besnard¹
¹Institut de Génomique Fonctionnelle, Montpellier, France
Poster Presenter: Alexandre Chambard, FR
- P3.179 **LONG-TERM IMPACT OF A SEMI-NATURALISTIC LIVING ENVIRONMENT ON RODENT COGNITIVE ABILITIES**
N. Ravel¹, M. Berrakmouch¹, A. Bublex¹, O. Tschirhart¹, Z. Miot¹, M. Thévenet¹, B. Messaoudi¹, D. Gervasoni¹, K. Julliard¹, P. Litaudon¹
¹CNRS-INSERM-Université Lyon 1, Centre de Recherche en Neurosciences de Lyon, Bron, France
Poster Presenter: Nadine Ravel, FR
- P3.180 **VOCALIZATIONS AND PREFERENCES TESTS AND PRELIMINARY RESULTS FOR SHANK3 KO DELTA11 AND SHANK3 KO DELTA4-22 MICE**
F. de Chaumont¹, B. Forget¹, E. Ey², S. Coqueran¹, E. Verpy¹, T. Bourgeron¹
¹Institut Pasteur, Génétique humaine et fonctions cognitives, Paris, France, ²CNRS IGBMC, TMN, Illkirch, France
Poster Presenter: Fabrice de Chaumont, FR
- P3.181 **INTERPLAY BETWEEN ULTRASONIC VOCALISATION CHARACTERISTICS AND BEHAVIOURAL CONTEXTS IN FEMALE MICE**
E. Ey¹, F. de Chaumont², B. Forget², T. Bourgeron², Y. Hérault¹
¹CNRS, IGBMC - Dept Translational Medicine and Neuroscience, Illkirch, France, ²Institut Pasteur, Neuroscience, Paris, France
Poster Presenter: Elodie Ey, FR
- P3.182 **DOES THE SYNCHRONIZATION OF SOUNDSCAPES WITH VISCERAL RHYTHMS IMPROVE RELAXATION?**
L. Piret¹, A. Odouard², F. Grosselin², C. Tallon-Baudry¹
¹ENS-PSL, Laboratoire de Neurosciences Cognitives & Computationnelles, Paris, France, ²myBrain Technologies, Paris, France
Poster Presenter: Ludovic Piret, FR
- P3.183 **ENHANCING PRIMATE ACTION RECOGNITION THROUGH A STATE-OF-THE-ART DEEP LEARNING PIPELINE FOR VIDEO ANALYSIS.**
C.A. Méndez¹, E. Disarbois¹, J. Baldi¹, G. Coudé¹, L. Maigre¹, T. Perret¹, P. Ferrari¹, J.-R. Duhamel¹
¹Institut des Sciences Cognitives Marc Jeannerod, CNRS UMR5229, Bron, France
Poster Presenter: Carlos Andrés Méndez, FR

- P3.184 **THE ACTIVITY OF THE SUBTHALAMIC NUCLEUS THROUGH THE DIFFERENT VIGILANCE STAGES IN THE NON-HUMAN PRIMATE**
N. BARBE¹, A. Davin², A. DEVERGNAS³, M. Connolly³, M. BILLERES¹, S. CHABARDES², B. PIALLAT²
¹Fonds de dotation Clinattec, Grenoble, France, ²Grenoble Institut des Neurosciences, Grenoble, France, ³Emory University School of Medicine, Atlanta, United States
Poster Presenter: Nathan Barbe, FR
- P3.185 **NEURAL BASES OF POOR EXECUTIVE FUNCTION IN MACAQUES EXPOSED TO EARLY SOCIAL ADVERSITY: A LONGITUDINAL DTI STUDY.**
A. Massera^{1,2}, H. Errame^{1,2}, J.J. Bonaiuto^{1,2}, M. Froesel^{1,2}, Y. Bihan-Poudec^{1,2}, M. Gacoin^{1,2}, M. Belluardo³, N. Richard^{1,2}, S. Ben Hamed^{1,2}, H. Rayson^{1,2}, P.F. Ferrari^{1,2,1}
¹Institut des Sciences Cognitives - Marc Jeannerod, CNRS, Bron, France, ²Université Claude Bernard Lyon 1, Université de Lyon, France, Lyon, France, ³Unit of Neuroscience, Department of Medicine and Surgery, University of Parma, Parma, Italy
Poster Presenter: Alice Massera, FR
- P3.186 **MULTI-ELECTRODES RECORDINGS DURING SPONTANEOUS PRODUCTION AND PERCEPTION OF VOCALIZATIONS IN THE RHESUS MACAQUE**
E. Disarbois¹, J. Baldi¹, G. Coudé¹, C.A. Méndez¹, M. Cuvilliez¹, G. Annicchiarico², L. Maigre¹, P.F. Ferrari¹, J.-R. Duhamel¹
¹Institut des Sciences Cognitives Marc Jeannerod, CNRS UMR5229, Bron, France, ²Unit of Neuroscience, University of Parma, Department of Medicine and Surgery, Parma, Italy
Poster Presenter: Eloïse Disarbois, FR
- P3.187 **PARALLEL AND OPPOSITE DOPAMINE CIRCUIT DYNAMICS IN BEHAVIORAL RESPONSES TO CHRONIC STRESS**
C. Morel¹, S. Montgomery¹, L. Li¹, R. Durand-de Cuttoli¹, E. Teichman¹, N. Tzavaras¹, S. Russo¹, E. Nestler¹, E. Calipari², A. Friedman³, M.-H. Han¹
¹Icahn School of Medicine, NEW YORK, United States, ²Vanderbilt University, Vanderbilt, United States, ³Hunter College, New York, United States
Poster Presenter: Carole Morel, US
- P3.188 **DOPAMINERGIC RECEPTORS D1/D2 RATIO IN THE REWARD SYSTEM IN THE ETHANOL POST-DEPENDENT STATE IN RAT DURING ACUTE WITHDRAWAL**
C. VILPOUX¹, C. Bassinot¹, V. Debuysscher¹, M. Naassila¹
¹Université de picardie jules verne, Laboratoire GRAP CHU AMIENS SUD Batiment CURS, AMIENS, France
Poster Presenter: Catherine Vilpoux, FR
- P3.189 **DEEP BRAIN STIMULATION AND DOPAMINE MEDICATION ENHANCE FREE CHOICE PREFERENCE IN PARKINSON'S DISEASE**
D. Bendetowicz^{1,2}, G. Temiz¹, E. Hainque^{1,2}, V. Czernecki^{1,2}, B. Lau¹, C. Karachi^{1,3}, J. Munuera^{1,4}
¹Sorbonne Université, Inserm, CNRS, APHP, Institut du Cerveau - ICM, Paris, France, ²APHP- Hôpital Pitié Salpêtrière, Neurology department, Paris, France, ³APHP- Hôpital Pitié Salpêtrière, Neurosurgery department, Paris, France, ⁴École normale

supérieure, EHESS, CNRS, PSL University, Institut Jean Nicod,
Département d'études cognitives, Paris, France

Poster Presenter: David Bendetowicz, FR

P3.190

LONG-TERM NEAR-CONTINUOUS RECORDING WITH NEUROPIXELS PROBES IN HEALTHY AND EPILEPTIC RATS

M. Ferraris¹, A. Ghestem¹, M.N Pompili¹, M. Dipper-Wawra¹, P.P Quilichini¹, C. Bernard¹

¹Inserm U1106 Aix-Marseille Université, Institut de Neurosciences des Systèmes, Marseille, France

Poster Presenter: Maëva Ferraris, FR

P3.191

EFFECT OF ORAL LEVODOPA ON THE INTERPRETATION OF SOCIAL INTERACTIONS IN PEOPLE LIVING WITH PARKINSON'S DISEASE

T. Danaïla¹, E. Metereau¹, L. Tremblay², S. Thobois¹

¹Centre Expert Parkinson de Lyon, Hôpital "Pierre Wertheimer" - Hospices Civils de Lyon, BRON, France, ²Institut des Sciences Cognitives Marc Jeannerod, UMR 5229, BRON, France

Poster Presenter: Teodor Danaïla, FR

P3.192

A PRELIMINARY STUDY OF MULTIDIMENSIONAL RELATIONSHIPS BETWEEN EMOTIONAL REGULATION, GRIT, MOTIVATION AND ACADEMIC PATH IN CHILDREN AND ADOLESCENTS AGED 3 TO 20 YEARS

M. Chebli¹, T. Horiot¹, T. Marchand², H. Caci^{3,4}, V. Douet-Vannucci^{1,5}

¹O-Kidia, R&D Lab, Nice, France, ²Ecole des Mines de Saint-Étienne, Bioelectronic Lab, Gardanne, France, ³CHU Lenval, Hôpitaux Pédiatriques, Nice, France, ⁴Centre de Recherche en Épidémiologie & Santé des Populations (CESP), INSERM U1018, Villejuif, France, ⁵Université Côte d'Azur, URE Risk Epidemiology Territory INformatics Education and Health (URE RETINES), Nice, France

Poster Presenter: Mouna Chebli, FR

7: Theoretical and computational neuroscience

P3.200

EBRAINS / EBRAINS-FRANCE: A DIGITAL INFRASTRUCTURE TO ENABLE AND SUPPORT RESEARCH ON BRAIN FUNCTIONS AND DISEASES.

P. Vernier¹, V. Jirsa², X EBRAINS-FR scientific & technological committee³

¹CEA, Institut des sciences du vivant Frédéric Joliot, Gif-sur-Yvette, France, ²Aix-Marseille Université, Institut des Neurosciences des Systèmes, Marseille, France, ³Multiple institutions, Multiple, France

Poster Presenter: Philippe Vernier, FR

P3.201

EXPLORING THE EFFECT OF EXCITATION AND INHIBITION ON SELF-ORGANIZED CRITICALITY IN THE ZEBRAFISH BRAIN

M. Janbon¹, A. Ponce-Alvarez², G. Sumbre¹

¹Ecole Normale Supérieure, Institut de Biologie, Paris, France, ²Polytechnic University of Catalonia, Department of Mathematics, Barcelona, Spain

Poster Presenter: Maxime Janbon, FR

P3.202

DOES PREDICTIVE CODING HELP TO BETTER

UNDERSTAND THE MISMATCH NEGATIVITY?F. Lecaigard¹, J. Mattout¹¹Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, COPHY, Lyon, France

Poster Presenter: Françoise Lecaigard, FR

P3.203

NEURONAL TRIGGERS OF NEURAL STATE TRANSITIONS IN MONKEY FRONTAL CORTEX DURING FLEXIBLE BEHAVIORE. Németh^{1,2}, C. Goussi-Denjean², J. Naudé³, B. Delord¹, E. Procyk²¹Sorbonne Université, Institute of Intelligent Systems and Robotics, Paris, France, ²Université Lyon 1, Stem Cell and Brain Research Institute, Bron, France, ³Université de Montpellier, Institut de Génomique Fonctionnelle, Montpellier, France

Poster Presenter: Erik Németh, FR

P3.204

INFERRING THE MECHANISMS OF RESTING-STATE NETWORK RECONFIGURATION AFTER THALAMIC LESIONINGH.A. LOKOSSOU^{1,2}, G. Rabuffo¹, A. Ziaee-Mehr¹, M. Hashemi¹, P. Sorrentino¹, A. Ghestem¹, P. Quilichini¹, T.-A. Perles-Barbacaru², A. Viola², V. Jirsa¹, C. Bernard¹¹Aix Marseille University, INS, UMR 1106, INSERM, Marseille, France, ²Aix-Marseille University, CRMBM, UMR 7339, CNRS, Marseille, France

Poster Presenter: Houefa Armelle Lokossou, FR

P3.205

REENTRY EXCITATION IN A PERSONALIZED HIGH-RESOLUTION MODEL OF EPILEPSYP. Triebkorn¹, H. Wang¹, V. Jirsa¹¹Aix Marseille University, Institut de Neurosciences des Systèmes, Marseille, France

Poster Presenter: Paul Triebkorn, FR

P3.206

ESTABLISHMENT OF AN OPTIMIZED AND AUTOMATED WORKFLOW FOR WHOLE BRAIN PROBING OF NEURONAL ACTIVITY PATTERNS IN TRAP MICES. CABRERA^{1,2}, R. MACIEL¹, N. VACHOUD², M. BREUILLY³, G. MEYER-DILHET⁴, S. ELLOUZE^{2,4}, J. COURCHET⁴, P.-H. LUPPI¹, N. MANDAIRON⁵, O. RAINETEAU²¹UMR 5292 CNRS/U1028 INSERM and Université de Lyon, Lyon Neuroscience Research Center, Team "Sleep", Bron, France, ²Université Claude Bernard Lyon 1, Inserm, Stem-cell & Brain Research Institute (SBRI) U1208, Bron, France, ³Université Claude Bernard Lyon 1, Lyon, France, ⁴Université Claude Bernard Lyon 1, CNRS UMR-5310, INSERM U-1217, Institut Neuromyogène, Lyon, France, ⁵UMR 5292 CNRS/U1028 INSERM and Université de Lyon, Lyon Neuroscience Research Center, Neuroplasticity and Neuropathology of Olfactory Perception Team, Bron, France

Poster Presenter: Sébastien Cabrera, FR

P3.207

A REINFORCEMENT LEARNING-BASED MODEL OF THE ROLE OF HIPPOCAMPAL REPLAY IN SPATIAL POSITIVE AND NEGATIVE LEARNINGE. Massi¹, K. Benchenane², M. Khamassi¹, B. Girard¹¹Institut des Systèmes Intelligents et de Robotique (ISIR), Sorbonne Université / CNRS, Paris, France, ²Team Memory,

Oscillations and Brain States (MOBs), Brain Plasticity Unit, ESPCI Paris, PSL University / CNRS, Paris, France

Poster Presenter: Elisa Massi, FR

- P3.208 **BAYESIAN MODELING OF NEUROFEEDBACK TRAINING**
C. Annicchiarico¹, J. Mattout¹, F. Lotte²
¹INSERM, Lyon Neuroscience Research Center (CNRL) - COPHY Team, Bron, France, ²Inria Center at the University of Bordeaux/LaBRI, Talence, France
 Poster Presenter: Côme Annicchiarico, FR

- P3.209 **DATA-DRIVEN ANALYSIS OF BRAIN'S RESTING-STATE MANIFOLD**
A.-P. Athanasiadis¹, J. Fousek¹, M. Woodman¹, S. Petkoski¹, V. Jirsa¹
¹Aix-Marseille University, Theoretical Neuroscience Group, Institut de Neurosciences des Systèmes, Marseille, France
 Poster Presenter: Anastasios-Polykarpos Athanasiadis, FR

Plenary Lecture

09:30 - 10:00

Auditorium Lumière

PL08 - Immune dysfunction in psychotic disorders

- PL08.1 **Lecture**
 Speaker: Marion Leboyer, FR

Symposium

11:00 - 13:00

Auditorium Lumière

S29 - Prefrontal Cortex Club: linking fundamental prefrontal research to prefrontal dysfunction

Chair: Shauna L Parkes, FR

Chair: Charles Wilson, FR

- S29.1 **Differential contributions of orbito-frontal and anterior cingulate to action timing and its self-monitoring in rats**
 Speaker: Tadeusz Kononowicz, PL
- S29.2 **Prefrontal-based attentional dysfunctions after drug exposure**
 Speaker: Karine Guillem, FR
- S29.3 **Neural dynamics of adaptive decisions in macaque prefrontal cortex**
 Speaker: Charles Wilson, FR
- S29.4 **Roles of the prefrontal cortex in human creativity**
 Speaker: Emmanuelle Volle, FR
- S29.5 **Prefrontal cortex in the wild: Influence of ecological constraints on the primate prefrontal cortex**
 Speaker: Sébastien Bouret, FR

Symposium

11:00 - 13:00

Auditorium Pasteur

S30 - Microbiota contribution to socioemotional behaviour impairments in psychiatric disorders

Chair: Laetitia Davidovic, FR

Chair: Jérôme Becker, FR

- S30.1 **Gut microbiota dysbiosis and behavioral phenotypes of the Maternal Immune Activation-model of autism and schizophrenia**
Speaker: Gustavo Pacheco Lopez, MX
- S30.2 **Microbial indoles modulate socioemotional behavior in physiological and pathological conditions**
Speaker: Sylvie Rabot, FR
- S30.3 **Impact of perinatal exposure to maternal western diet on socioemotional behavior of the offspring**
Speaker: Jérôme Becker, FR
- S30.4 **The microbial metabolite p-Cresol induces autistic-like behaviors in mice by remodeling the gut microbiota**
Speaker: Laetitia Davidovic, FR

Symposium

11:00 - 13:00

Salon Pasteur

S31 - Theoretical and computational approaches in neuroscience: Non-invasive neurostimulation

Chair: Axel Hutt, FR

- S31.1 **How to talk to neurons: engaging neural circuits, systems and rhythms using brain stimulation**
Speaker: Jérémie Lefebvre, CA
- S31.2 **How can we investigate in silico the potentials effects of transcranial current stimulation on synaptic plasticity?**
Speaker: Julien Modolo, FR
- S31.3 **Volitional control of STN beta oscillations and subject specific beta synchrony as a biomarker for a future closed loop DBS system**
Speaker: Adam Sachs, CA
- S31.4 **Insights into EEG origin under transcranial direct current stimulation (tDCS) in the context of psychosis**
Speaker: Josephine Riedinger, FR
- S31.5 **Rhythmic Sensory Stimulation To Restore Brain Dynamics And Boost Memory In Early Alzheimer'S Disease**
M. Aguilera¹, C. Mathis¹, R. Goutagny¹, D. Battaglia^{2,3}
¹Université de Strasbourg, LNCA (CNRS UMR7364), Strasbourg, France, ²Université de Strasbourg, University of Strasbourg Institute for Advanced Study (USIAS), Strasbourg, France, ³Aix Marseille Université, INS (Inserm U1106), Marseille, France
Oral Presenter: Matthieu Aguilera, FR

Symposium

11:00 - 13:00

Rhône 1

S32 - Evolution of motor circuits in invertebrates and vertebrates

Chair: Claire Wyart, FR

Chair: David Robbe, FR

- S32.1 **Comparative studies reveal a common switchboard for motor circuits in vertebrates**
Speaker: Claire Wyart, FR
- S32.2 **Using frog metamorphosis to define the cell type architecture of a swim-to-limb behavioral transition**
Speaker: Yuri Ignatev, AT
- S32.3 **Mapping the mesencephalic locomotor region and its downstream targets in the reticular formation**
Speaker: Martin Carbo Tano, FR
- S32.4 **Rethinking the function of the dorsal striatum beyond action selection**
Speaker: David Robbe, FR
- S32.5 **The primate mesencephalic locomotor region: insights from gait and balance disorders in Parkinson's disease**
Speaker: Brian Lau, FR
- S32.6 **Alteration Of Paradoxical Sleep Atonia In Narcoleptic Mice: A Moderate Form Of Severity Compared To Idiopathic Rem Sleep Behaviour Disorders Mice Model**
M. GRENOT^{1,2,3,4}, *A. ROMAN*^{1,2,3,1}, *M. Villalba*^{1,2,3,1}, *A.-L. MOREL*^{1,2,3,1}, *S. ARTHAUD*^{1,2,3,1}, *P.-A. LIBOUREL*^{1,2,3,1}, *C. PEYRON*^{1,2,3,1}
¹Lyon Neuroscience Research Center (CRNL), Lyon, France, ²CNRS - UMR5292, Lyon, France, ³INSERM U1028, Lyon, France, ⁴Claude Bernard University of Lyon 1, Lyon, France
Oral Presenter: Maxime Grenot, FR

Symposium

11:00 - 12:50

Rhône 2

S33 - State-dependent neural plasticity in the control of appetite and metabolism

Chair: Alexandre Benani, FR

Chair: Clémence Blouet, GB

- S33.1 **Emerging role of astrocytes in the brain control of energy homeostasis**
Speaker: Kate Ellacott, GB
- S33.2 **Role of the postprandial microglial inflammatory response in the brain control of eating behavior**
Speaker: Juliette Salvi, FR
- S33.3 **Leveraging interoceptive systems to reappraise appetite and energy metabolism**
Speaker: Giuseppe Gangarossa, FR
- S33.4 **Oligodendrocyte plasticity mediates nutrient-dependant structural changes in the median eminence necessary for the control of energy homeostasis**
Speaker: Clémence Blouet, GB

- S33.5 **Parathyroid Hormone Receptor Signalling In Hypothalamic Agrp-Neurons Is A Determinant Of Energy Balance**
E. Siopi¹, M. Galerne¹, A. Rousseau¹, F. Liénard², M. Rivagorda¹, F. Mailet¹, V. Boitez¹, E. Nedelec², S. Moriceau¹, S. Saha³, D. Romeo-Guitart¹, C. Confavreux⁴, A. Benani², F. Oury¹
¹Institut Necker Enfants-Malades (INEM), INSERM U1151, Paris, France, ²Center for Taste and Feeding Behaviour, Université de Bourgogne Franche-Comté, Dijon, France, ³Institut Pasteur, Perception & Memory Unit, Paris, France, ⁴Faculty of Medicine Lyon-Est, University of Lyon 1, Lyon, France
 Oral Presenter: Eleni Siopi, FR

Symposium
 11:00 - 13:00

Rhône 3

S34 - Mechanisms for local regulation of axonal RNA and organelle biology

Chair: Tommy Lewis, US

Chair: Julien Courchet, FR

- S34.1 **Fine-tuning of cortical circuit development through a local regulation of mitochondria distribution and function**
Speaker: Julien Courchet, FR
- S34.2 **WDR47 protects callosal axons from degeneration by regulating axonal cytoskeleton and organelle trafficking**
Speaker: Juliette Godin, FR
- S34.3 **ER-mitochondria interaction regulates axonal growth in the developing neocortex**
Speaker: Yusuke Hirabayashi, JP
- S34.4 **Mitochondrial hitchhiking of mRNAs sustains local mitochondrial proteostasis in axons**
Speaker: Angelika Harbauer, DE
- S34.5 **Synaptic Vesicles Are Axonal Antioxidant Patrols That Are Deficient In Huntington Disease**
A. Radu¹, L. Capellano¹, M. Prieto Garcia¹, B. Charlot², F. Saudou¹
¹Université Grenoble Alpes, Grenoble Institut des Neurosciences, La Tronche, France, ²Université Montpellier, Institut d'Electronique et des Systèmes, Montpellier, France
 Oral Presenter: Anca Radu, FR

Symposium
 11:00 - 13:00

Saint Clair 3

S35 - Revisiting the role of cortico-basal ganglia circuits in impulsivity/compulsivity

Chair: Eric Burguière, FR

Chair: Christelle Baunez, FR

- S35.1 **Prevention of compulsive/impulsive behaviours by closed-loop optogenetic stimulation of striatal interneurons**
Speaker: Eric Burguière, FR
- S35.2 **Dopamine and Serotonin modulation of Cortico-Basal Ganglia circuits involved in impulsive compulsive behaviors: Evidence from human and non-human primates**
Speaker: Léon Tremblay, FR
- S35.3 **The contribution of the Subthalamic nucleus in**

impulsivity/compulsivity*Speaker:* Christelle Baunez, FRS35.4 **Impulse control disorders in Parkinson's Disease: electrophysiological markers***Speaker:* Garance Meyer, FRS35.5 **A Structural Mri Marker Of Impulsive Decision-Making: Towards Clinical Applications In Patients With Frontotemporal Dementia***V. Godefroy¹, A. Durand¹, M.-C. Simon², B. Weber², R. Levy¹, B. Batrancourt¹, L. Schmidt¹, H. Plassmann³, L. Koban⁴**¹Paris Brain Institute (ICM), Paris, France, ²University of Bonn, Bonn, Germany, ³INSEAD, Fontainebleau, France, ⁴Centre de Recherche en Neurosciences de Lyon CRNL, Bron, France**Oral Presenter:* Valérie Godefroy, FR*Special Session*

13:15 - 14:45

Salon Pasteur

SP07 - From Dragon to cavefish : Non-conventional animal models for investigating cognitionSP07.1 **Learning in finches and canary***Speaker:* Arthur Leblois, FRSP07.2 **Impact of early experience on brain development and cognition in lambs***Speaker:* Elodie Chaillou, FRSP07.3 **Relational learning by honeybees***Speaker:* Aurore Avargues-Weber, FRSP07.4 **Neuro-behavioral development and antidepressants in cuttlefish***Speaker:* Cécile Bellanger, FRSP07.5 **Evolution of cavefish behaviors***Speaker:* Sylvie Rétaux, FRSP07.6 **Sleep states in the bearded dragon and other reptiles***Speaker:* Paul-Antoine Libourel, FR*Special Session*

13:15 - 14:45

Rhône 2

SP08 - Diversity and equity in academia - Organized by the Young Researchers' office*Chair:* Clara Saleri Lunazzi, FR*Chair:* Emmanuel Perisse, FRSP08.1 **Roundtable***Speaker:* Julie Batut, FR*Speaker:* Jean-Louis Vercher, FR*Roundtable*

13:15 - 14:45

Rhône 3

RT01 - Editorial Process: what happens after you submit? How to participate?*Chair:* Erwan Bezar, FRRT01.1 **Basics of Editorial Process**

- Speaker:* Etienne Hirsch, FR
- RT01.2 **Communication with the Editors**
Speaker: Christophe Bernard, FR
- RT01.3 **Valuation of the researcher's role in the editorial Process**
Speaker: Maria Cecilia Angulo, FR
- RT01.4 **Francophone (under) representation in Editorial activities**
Speaker: Erwan Bezard, FR
- RT01.5 **Evolution of scientific edition**
Speaker: Michel Thiebaut de Schotten, FR

Symposium

15:30 - 17:30

Auditorium Lumière

S36 - Glial cells contribution to neurodevelopment*Chair:* Anne-Cécile Boulay, FR*Chair:* Morgane Thion, FR

- S36.1 **Profiling the brain's glial landscape in the absence of microglia**
Speaker: David Munro, GB
- S36.2 **Microglia-sufficient brain organoids: from development to pediatric cancer**
Speaker: Claudia Pasqualini, FR
- S36.3 **Genesis of cortical astrocyte diversity in physiological and pathological contexts**
Speaker: Karine Loulier, FR
- S36.4 **Alteration of gliovascular development in a rare type of leukodystrophy**
Speaker: Martine Cohen-Salmon, FR
- S36.5 **A Molecularly-Defined Non-Redundant Subpopulation Of Opc Controls The Generation Of Myelinating Oligodendrocytes During Postnatal Development**
S. Moghimyfiroozabad^{1,2,3}, *M. Paul*^{1,2}, *F. Selimi*^{1,3}
¹Center for Interdisciplinary Research in Biology (CIRB), College de France, CNRS, INSERM, Université PSL, Paris, France, ²Sorbonne University, Paris, France, ³Ecole des neurosciences de Paris / Fondation des neurosciences de Paris, Paris, France
Oral Presenter: Shayan Moghimyfiroozabad, FR

Symposium

15:30 - 17:30

Auditorium Pasteur

S37 - Ecological approaches towards emotions, decision making and learning in brain and behaviour*Chair:* Nils Kolling, FR*Chair:* Jacqueline Scholl, FR

- S37.1 **Planning, motivation and decision making during temporally extended decision making and learning**
Speaker: Nils Kolling, FR
- S37.2 **Foraging under threat and its relationship to real life emotions**

Speaker: Jacqueline Scholl, FR

S37.3 **Decision making in static and changing environments**

Speaker: Gerhard Jocham, DE

S37.4 **The role of control and confidence in information seeking**

Speaker: Marion Rouault, FR

S37.5 **The Cognitive And Neural Mechanisms Of Credit Assignment, And Learning About Control**

L. Spiering^{1,2}, *H. Trier*^{1,2}, *J. O'Reilly*¹, *M. Browning*³, *M. Rushworth*^{1,2}, *J. Scholl*⁴

¹University of Oxford, Experimental Psychology, Oxford, United Kingdom, ²University of Oxford, Wellcome Centre for Integrative Neuroimaging, Oxford, United Kingdom, ³University of Oxford, Psychiatry, Oxford, United Kingdom, ⁴Centre Hospitalier Le Vinatier, PSYR2, Bron, France

Oral Presenter: Lisa Spiering, GB

Symposium

15:30 - 17:30

Salon Pasteur

S38 - The Central extended amygdala: at the crossroads of emotions

Chair: Francois Georges, FR

Chair: Emmanuel Valjent, FR

S38.1 **Cell-type specific parallel circuits in the central extended amygdala**

Speaker: Pierre Veinante, FR

S38.2 **Deconstructing the role of extended amygdala dopamine signaling in approach and avoidance behaviors**

Speaker: Laia Castell, US

S38.3 **Encoding social preference by interhemispheric neurons in the Insula**

Speaker: Francois Georges, FR

S38.4 **From stress to depression and PTSD: A model of the interactions between amygdala and its associated neuromodulation structures**

Speaker: Philippe Gaussier, FR

Symposium

15:30 - 17:30

Rhône 1

S39 - Advances in signaling and treatments of inflammatory pain syndromes

Chair: Cédric Peirs, FR

S39.1 **Visceral Pain in Inflammatory Bowel Disease Patients**

Speaker: Nathalie Vergnolle, FR

S39.2 **Bacterial lipopeptides containing GABA, future treatments in visceral pain**

Speaker: Nicolas Cenac, FR

S39.3 **Microcircuits underlying inflammatory versus neuropathic pain**

Speaker: Cédric Peirs, FR

S39.4 **Dorsal horn circuits in inflammatory hyperalgesia**

Speaker: Hanns Ulrich Zeilhofer, CH

- S39.5 **Astroglial Kir4.1 Channel Deficit Drives Chronic Inflammatory Pain**
*S. Mountadem*¹, K. Herault¹, C. Peirs¹, D. Voisin², M. Antri¹, R. Dallel¹
¹Université Clermont Auvergne, INSERM/Neuro-Dol U1107, Clermont-Ferrand, France, ²Université Bordeaux, INSERM/Neurocentre Magendie U1215, Bordeaux, France
Oral Presenter: Sarah Mountadem, FR

Symposium
 15:30 - 17:30

Rhône 2

S40 - Top-down control of motivated behavior via the lateral septum

Chair: Tatiana Korotkova, DE

- S40.1 **Regulation of feeding and social behaviours by neuronal populations in the lateral septum**
Speaker: Tatiana Korotkova, DE
- S40.2 **Corticotropin-releasing hormone signaling from the prefrontal cortex to lateral septum regulates social preference**
Speaker: Felix Leroy, ES
- S40.3 **The lateral septum encodes space, self-motion signals, and emotional affect conjunctively**
Speaker: Suzanne C. W. Van Der Veldt, CA
- S40.4 **Septo-hippocampal control of the motivation to move**
Speaker: Sanja Bauer-Mikulovic, DE

Symposium
 15:30 - 17:30

Rhône 3

S41 - The endocytic machinery of neurotrophin receptors: from neurodevelopment to brain disease

Chair: Chiara Scaramuzzino, FR

Chair: Natalia Kononenko, DE

- S41.1 **Endosomal trafficking defects alter neural progenitor proliferation and cause microcephaly**
Speaker: Alexandre Baffet, FR
- S41.2 **Deciphering the Role of Axonal Endosomes at Distal Dendrites in Health and Disease**
Speaker: Chiara Scaramuzzino, FR
- S41.3 **Non-canonical regulation of neurotrophin signaling by autophagy**
Speaker: Natalia Kononenko, DE
- S41.4 **The role of neurotrophic signaling and axonal transport in neuromuscular junction maintenance**
Speaker: Eran Perlson, IL

Symposium

15:30 - 17:30

Saint Clair 3

S42 - New insights in brain nutrient-sensing and impact on brain health*Chair:* Xavier Fioramonti, FR*Chair:* Amandine Gautier-Stein, FR

- S42.1 **Brain bile acids signaling in energy balance**
Speaker: Daniela Cota, FR
- S42.2 **Role of the tanyocyte-POMC neuron lactate shuttle in energy homeostasis**
Speaker: Tori Lhomme, FR
- S42.3 **Role of hypothalamic de novo ceramide synthesis in neuroinflammation and dysregulation of glucose homeostasis induced by resistin**
Speaker: Hervé Le Stunff, FR
- S42.4 **Role of insulin in the regulation of the serotonergic system and the control of mood**
Speaker: Xavier Fioramonti, FR
- S42.5 **Gut-Brain Axis: Neuronal Characterization Of Portal Glucose Sensing**
*J. Videlo*¹, *P. Lagneaux*¹, *V. Simon*², *M. Micoud*¹, *F. Evrard*¹, *B. Chapuis*³, *S. James*², *G. Marsicano*², *D. Cota*², *G. Mithieux*¹, *A. Gautier-Stein*¹
¹Laboratory Nutrition, Diabetes and Brain, INSERM U1213, University Lyon 1, Lyon, France, ²NeuroCenter Magendie, INSERM U1215, University of Bordeaux, Bordeaux, France, ³CIQLE, University Lyon 1, Lyon, France
Oral Presenter: Jasmine Videlo, FR