

LIST OF POSTER PRESENTATIONS

Poster Session 1

Thursday, 11 July 2019

13:10-15:00

Exhibition Area, Ground Floor

Topic: Basic and clinical research in brain diseases (BCR)

P001

Interplay between serotonin receptors and cell adhesion molecule L1 in the regulation of neuronal morphology

Daria Guseva, Simon Bennet Sonnenberg, Sophie Kristin Schade, Christoph Göhr, Monika Bijata, Jakub Wlodarczyk, Evgeni Ponimaskin

P002

Antipsychotic modulation of PKA- and GSK3 β -mediated pathways and the NMDA receptor in the ventral tegmental area and substantia nigra of rats

Bo Pan, Chao Deng

P003

Parkinson's disease with dementia is associated with more severe locus coeruleus pathology compared to those without dementia

Benjamin Huynh, Glenda Halliday, Yuhong Fu, James M. Shine

P004

Mouse model of myoclonus epilepsy and ataxia due to a mutation in KCNC1 potassium channel gene

Snezana Maljevic, Nikola Jancovski, Christopher A Reid, Steven Petrou1

P005

HACE1 deficiency leads to structural and functional neurodevelopmental defects

Vanja Nagy, Ronja Hollstein, Tsung-Pin Pai, Michel K. Herde, Pisanu Buphamalai, Paul Moeseneder, Ewelina Lenartowicz, Anoop Kavirayani, Georg Christoph Korenke, Ivona Kozieradzki, Roberto Nitsch, Ana Cicvaric, Francisco J. Monje Quiroga, Matthew A. Deardorff, Emma C. Bedoukian, Yun Li, Gökhan Yigit, Jörg Menche, E. Ferda Perçin, Bernd Wollnik, Christian Henneberger, Frank J. Kaiser, Josef M. Penninger

P006

How can anti-GAD65 antibodies affect learning and memory in mice?

Laurence Ris, Agnès Villers, Célestine Brunois

P007

Nematode *Caenorhabditis elegans* as animal model for studying pathways underlying schizophrenia: impact of nuclear distribution element genes in the response to typical and atypical antipsychotics

João V. Nani, Gabriela Guilherme Monte, Caroline Dal Mas, Lucas Gelain Martins, Ljubica Tasic, Marcelo A. Mori, Mirian A. F. Hayashi

P008

Evaluation of the antipsychotics' effects on lipids in rat strains

Danijela Stanisica, Joao Victor Silva Nanib, Banny Silva Barbosa Correiaa, Ranieri W. Ricardoa, Tassia Brena da Costaa, Mirian Akemi F. Hayashi, Ljubica Tasic

P009

Benfotiamine reverse the memory-related deficits by modulation of brain insulin signaling and inflammation in an experimental model of sporadic alzheimer's disease

Torrão A.S. & Moraes R.C.M.

P010

GC-MS untargeted analysis in posttraumatic stress disorder

Marcela Konjevod, Jorge Saiz, Matea Nikolac Perkovic, Gordana Nedic Erjavec, Lucija Tudor, Coral Barbas, Neven Zarkovic, Dubravka Svob Strac, Nela Pivac

P011

Effects of Guanylate Cyclase-C on brain ischemic lesion formation

Martina Ratko, Nikola Habek, Marina Dobrivojević Radmilović, Siniša Škokić, Helena Justić, Aleksandra Dugandžić

P012

Single nucleotide variants associated with the cardiac arrhythmias in patients with epilepsy

Ioanna Kousiappa, Maria Pechlivanidou, Savvas S. Papacostas

P013

Reduced Hippocampal Activity During Stereotypical Checking in Animal Model of Obsessive-Compulsive Disorder (OCD) Induced by Quinpirole Sensitization

Hana Brozka, Dominika Radostova, Daniela Alexova, Stepan Kubik, Branislav Krajcovic, Jan Svoboda, Ales Stuchlik

P014

Sleep integrates rapid antidepressant mechanisms

Kohtala S, Rantamäki T

P015

The effect of deep-brain stimulation of the medial forebrain bundle on sleep in the FSL rat model of depression

Wilf Gardner, Laura Durieux, Fanny Fuchs, Chantal Mathis, Volker Arnd Coenen, Jorge Mendoza, Máté Döbrössy, Lucas Lecourtier

P016

Vulnerability of different cell types in hippocampal slice cultures to heat shock

Eckart Förster, Shaleen Rana, Jasmin Weninger, Anne-Kathrin Trampe, Maurice Meseke

P017

Pharmacological blockade of ABCB1 and ABCC1 transporters has no deleterious effect on brain ischemic stroke outcome

Maryam Sardari, Daniel Manrique Castaño, Tayana Silva de Carvalho, Christoph Kleinschnitz, Dirk M. Hermann

P018

Mouse Model of sporadic Creutzfeldt-Jakob disease resembles regional and subtype-dependent miRNA signatures

Katrin Thüne, Franc Llorens, Eulàlia Martí, Matthias Schmitz, Nadine Gotzman, Margarita Carmona, Uwe Michel, Olivier Andréoletti, José Antonio del Río, Juana Díez, Juan Carlos Espinosa, Juan Maria Torre, Isidre Ferrer, Inga Zerr

P019

The Neurocognitive Profile of Disorganized Schizotypy: Preliminary Findings

Stella G. Giakoumaki, Peny Karamaouna, Leda Karagiannopoulou, Chrysoula Zouraraki

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Targeting nuclear receptor NR5A2/LRH-1 in Nervous System malignancies

Dimitrios Gkikas, Dimitrios Stellas, Panagiotis Politis

P021

HFOs in hippocampal CA1 in vitro depend on interictal discharge generation mechanisms and can be modified by herbal extracts

Kostas Kalogeropoulos, Dimitrios Kleidonas, Anastasios Troganis, Halarambos Stamatis, Caterina Psarropoulou

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Applying tDCS in a cognitive rehabilitation program: Differences observed in focal and diffuse lesions

Stefas Eleftherios, Pantartzidou Aleksandra, Minaritzis Dimitra, Kouki Evgenia-Peristera

P023

Susceptibility of the oculomotor neurons to Apoptosis Inducing Factor (AIF)-mediated death under perinatal hypoxia in humans

Pagida Marianna, Konstantinidou Anastasia, Patsouris Efstratios and Panayotacopoulou Maria

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Investigating the role of Streptococcus agalactiae surface lipoproteins in blood-brain barrier crossing

Papastefanaki F., Segklia A., Dionysopoulou D., Speder P., Dramsi S., Miriagkou V., Matsas R.

P025

NMDA subunits and p62 expression in the MAM16 and neonatal MK-801 mouse models of schizophrenia

Maria Plataki, Klairi Chalkiadaki, Vasiliki Nikolettou, Kyriaki Sidiropoulou

P026

Clinical and immunological studies in a 3-generation family members with very-high titers of anti-GAD antibodies

Tsiortou P., Alexopoulos H., Akrivou S., Barba C., Kosmidis M. Dalakas MC.

P027

Some kynurenic acid analogues and their effects on a monosynaptic transmission in the hippocampus – studies in physiological and ischemic circumstances

Evelin Fehér, Tamás Dudás, Anna Zalatnai, Tamás Farkas, István Szatmári, Ferenc Fülöp, László Vécsei, József Toldi

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Evaluation of blood lymphocyte subsets and monocyte function in Alzheimer's disease

Andjelka M. Isakovic, Maja Jovanovic, Elka Stefanova, Ljubisa Rakic, Marija Jeremic, Milica Vukojevic, Sonja Misirlic-Dencic, Vladimir Kostić, Ivanka Marković

P029

Histopathology and Radiology of the Neural Retina and Optic Nerve in Nonsyndromic Congenital Retinal Non-Attachment (NCRNA)

Fatemeh Sadat Rashidi, Ehsan Ahmadipour, Fahimeh Asadi Amoli, Amir Hosein Falahian, Hamideh Gholamhoseini, Mohamad Ismail Zibaii, Nader Maghsoudi, Alireza Zali, Mostafa Soltan Sanjari, Reza Ahadi, Noor Mohamad Ghiasvand

P030

The Relationship between toxic elements and ASD: A Meta-analysis study

Fatemeh Sayehmiri, Aryoobarzan Rahmatian, Hamed Jafari Mohammadabadi, Mohammad Rafiei

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Efficacy of a Selective NF-kappa B Inhibitor in Rats' Models of Depression and Mania

Ahmad Nassar, Jacob Kaplanski, Abed N. Azab

P032

Effects of Treatment with a Selective NF- κ B Inhibitor on Clinical Outcomes and Brain Levels of Inflammatory Mediators in Post-stroke Rats

Jacob Kaplanski, Raneen Hijaze, Ahmad Nassar, Matthew Boyko, Abed N. Azab

P034

Effects of scalp-acupuncture therapy on activation of neural progenitor cells in neonatal hypoxia-ischemia of rats

Da Hee Jung, Malk Eun Pak, Hong Ju Lee, Sung Min Ahn, Hwa Kyoung Shin, Byung Tae Choi

P036

Electroacupuncture ameliorates motor dysfunctions via protection of dopaminergic neuron involving BDNF/GDNF signaling in Parkinson's disease mouse model

Malk Eun Pak, Da Hee Jung, Hong Ju Lee, Sung Min Ahn, Hwa Kyoung Shin, Byung Tae Choi

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MRI Contrast Agents: Evidence of Gadolinium Metal Deposition in the Spinal Cord and Peripheral Nerves

Safia Alkhunizi, Wassim Abou-Kheir, Nada Lawand

P038

Behavioral impairment and decreased hippocampal neuroplasticity in animal model of inhalant abuse
Hanaa Malloul, Sara Bonzano, Mohammed Bennis, Giovanna Gambarotta, Silvia De Marchis, Saadia Ba-M'hamed

P039

Dysregulation of the brain pyruvate dehydrogenase in an animal model of coexistence of depression and hypothyroidism

Głombik K., Detka J., Kurek A., Budziszewska B.

P040

Orexin-A changes in brain of the early-life stressed adult rats treated with escitalopram or venlafaxine – an immunohistochemical study.

Miłosz Gołyszny, Tomasz Ludyga, Łukasz Filipczyk, Artur Pałasz, Ewa Obuchowicz

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Investigating whole-brain MRI markers in neuropsychiatric disorders – emerging dimensions in morphometric space

João Valente Duarte, Nuno Madeira, Ricardo Martins, Gabriel Nascimento Costa, António Macedo, Miguel Castelo-Branco

P042

Generation of an in vitro model of Parkinson's disease to explore the neuroprotective effects of mesenchymal stem cells secretome

Ana Marote, Bárbara Mendes-Pinheiro, Eduardo Gomes, Nuno J. Lamas, Luísa Pinto, Laurent Roybon, António J. Salgado

P043

Novel EXOSC3 pathogenic variant results in a mild course of neurologic disease with cerebellum involvement

Maria Catalina Craciun, Octavian Geamanu, Diana Le Duc

P044

Direct in vivo reprogramming technology aimed to restore cellular balance in the aged brain post stroke

Gresita Andrei, Dumbrava Danut-Adrian, Popescu-Driga Mircea, Surugiu Roxana, Popa-Wagner Aurel

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Detection of Reduced Interhemispheric Communication Between Primary Motor Cortices in Cerebellar Kainic Acid Induced Dystonia

Alexandru Țîrlea, Elena Laura Georgescu, Ioana Antoaneta Georgescu, Denise C.M. Zahiu, Alexandru Șteopoaie, Adrian Pană, Adriana Monica Nichita, Sebastien Vanhaeren, Mădălina Popescu, Ana-Maria Zăgrean, Daniela Popa

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EEG and EMG connectivity during cerebellar kainic acid-induced dystonia in mice

Carmen-Denise-Mihaela Zahiu, Elena-Laura Georgescu, Ioana Georgescu, Alexandru Șteopoaie, Adrian Pana, Alexandru Tarlea, Daniela Popa, Ana Maria Zagrean

P047

Olfactory bulbectomy induces microgliosis and increased levels of choline acetyltransferase and nerve growth factor in mouse hippocampus

O. Nedogreeva, M. Stepanichev, N. Gulyaeva

P049

Differences and similarities in molecular signature of depression and PTSD

Miroslav Adzic, Danka Savic

P050

Results of clinical exome analysis in rare neurodegenerative disorders in Serbian population

Marija Brankovic, Valerija Dobričić, Aleš Maver, Gaber Bergant, Marina Svetel, Igor Petrović, Stojan Perić, Milena Janković, Ana Marjanovic, Elka Stefanova, Ivana Novakovic, Borut Peterlin, Vladimir Kostic

P051

Metformin exacerbates myelin damage in high fat diet-fed C57BL/6J mice

Darko Ciric, Tamara Martinovic, Sasa Petricevic, Vladimir Trajkovic, Vladimir Bumbasirevic, Tamara Kravic-Stevovic

P052

Writing kinematics in pediatric onset multiple sclerosis

Nikola Ivančević, Marija Novičić, Vera Miler-Jerković, Milica Janković, Dejan Stevanović, Blažo Nikolić, Mirjana B. Popović, Jasna Jančić

P053

Amyloid- β accumulation alters cholesterol-related gene expression and affects the visual cycle in mouse retina and RPE of APP knock-in mice

Sanja Ivkovic, Arnout Bruggeman, Charysse Vandendriessche, Selma Kanazir, Roosmarijn E. Vandenbroucke

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Synthesis and biological evaluation of new, potential MAO-B ligands

Ivana I. Jevtić, Thu Hang Lai, Jelena Z. Penjišević, Rodrigo Teodoro, Sladjana Dukic-Stefanovic, Peter Brust, Slađana V. Kostić-Rajačić

P055

Mechanism underlying effects of fish oil supplementation in presymptomatic stage of Alzheimer disease in 5XFAD mice

Milena Jović, Natasa Lončarević-Vasiljković, Sanja Ivković, Desanka Milanović, Selma Kanazir

P056

Development of automated analysis of biomedical signals such as calcium imaging

Andrej Korenić, Gizem Dursun, Dunja Bijelić, Katarina Milićević, Milena Milošević, Lidija Radenović, Ufuk Özkaya, Bilal Ersen Kerman, Pavle R. Andjus, Abdulkerim Çapar

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Simvastatin attenuates myelin damage in high fat diet-fed C57BL/6J mice

Tamara Kravic-Stevovic, Darko Ciric, Tamara Martinovic, Sasa Petricevic, Vladimir Trajkovic, Vladimir Bumbasirevic

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The effect of H₂S donor GYY4137 on encephalitogenic immune cells

Milica Lazarević, Maria Sofia Basile, Paolo Fagone, Ferdinando Nicolletti, Đorđe Miljković, Miljana Momčilović

P059

The frequency of C9orf72 repeat expansion beyond ALS/FTD spectrum in Serbian patients with neurodegenerative disorders

Marjanović Ana, Dobričić Valerija, Branković Marija, Janković Milena, Mandić Gorana, Lukić Ječmenica Milica, Stefanova Elka, Stević Zorica, Novaković Ivana, Kostić Vladimir

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The effect Polyethylene Glycol-coated Gold Nanoparticles on ultrastructural morphology of spinal cord after injury

Tamara Martinovic, Darko Ciric, Tamara Kravic-Stevovic, Florentia Papastefanaki, Igor Jakovcevski, Nafsika Poulia, Nevena Djogo, Florian Schulz, Gabrielle Loers, Tobias Vossmeier, Horst Weller, Melitta Schachner, Rebecca Matsas, Vladimir Bumbasirevic

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Experimental autoimmune encephalomyelitis disturbs the regulation of HPG axis in rats of both sexes

Ana Milosevic, Marija Janjic, Irena Lavrnja, Danijela Savic, Marija Jakovljevic, Sanja Pekovic, Ivana Bjelobaba

P063

Higher concentration of interleukin 6 and transforming growth factor beta in patients with major depressive disorder with and without childhood abuse experience

Ana Munjiza, Milutin Kostic, Ivanka Markovic, Dusica Lecic Tosevski

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Astrocyte activity in the central nervous system autoimmunity

Ljiljana Nikolic, Dunja Bijelic, Milica Lazarevic, Katarina Milicevic, Miljana Momcilovic, Jelena Bogdanovic Pristov, Branka Petkovic, Pavle Andjus, Djordje Miljkovic

P065

Relationship between regional distributions of cytochrome C oxidase and copper-delivering chaperones in sclerotic hippocampi of epilepsy patients

Miloš Opačić, Maja Zorović, Danijela Savić, Marko Živin, Savo Raičević, Vladimir Bašćarević, Aleksandar Ristić, Dragoslav Sokić, Ivan Spasojević

P066

The influence of polymorphisms in COMT, DAT (SLC6A3), DRD2, and ANKK1 genes on the onset of complications of long-term use of levodopa in individuals with Parkinson's disease

Radojević B, Dragašević-Mišković NT, Marjanović A, Dobričić V, Milovanović A, Svetel M, Petrović I, Savić M, Jančić I, Novaković I, Kostić VS

P067

G-protein and MAPK/CREB1 signaling as mediators between stress experience and PTSD symptoms
Savić Danka, Adžić Miroslav

P068

The effect of intermittent feeding on the number of parvalbumin-expressing neurons in the hippocampus of 5xFAD mice

Maja Srbovan, Ksenija Prpa, Vesna Tesic, Desanka Milanovic, Milka Perovic, Selma Kanazir

P069

Longitudinal cortical thickness changes in GBA-related early Parkinson's disease

Iva Stankovic, Federica Agosta, Vladana Markovic, Elisabetta Sarasso, Paola Valsasina, Igor Petrovic, Vladimir Kostic, Massimo Filippi

P070

Posttraumatic stress disorder and depression in individuals with and without traumatic brain injury

M. Stevanović, M. Simonović, B. Nedović

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Concomitant brain pathologies have no major impact on clinical milestones in progressive supranuclear palsy

Milica V. Jecmenica-Lukic, Carolin Kurz, Gesine Respondek, Grau-Rivera Oriol, Compta Yaroslau, Ellen Gelpi, Claire Troakes, Barcelona Brain Bank collaborative group, the MDS-endorsed PSP study group, John C. van Swieten, Armin Giese, Sigrun Roeber, Thomas Arzberger, Günter Höglinger

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Dose-effect of ALS IgG on calcium transients in cultured astrocytes

Aleksa Vasic, Dunja Bijelić, Katarina Milićević, Irena Živković, Zorica Stević, Milena Milošević, Pavle Andjus

P073

Blood cells stimulated by early remote hind limb ischemia are capable to secrete bioreactive substance with neuroprotective properties.

Petra Bonová, Miroslava Némethová, Jana Jachová, Martin Bona, Ľubica Mačáková, Rastislav Mucha, Miroslav Gottlieb

P074

What can proteomic profiling tell us about ischemia/reperfusion injury in hippocampal tissue?

Tomašcová, A., Tatarková, Z., Kalenská, D., Lehotský, J.

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Differential methylation and expression of ZNF714 and NRIP3 in suicide victims

Katarina Kouter, Tomáš Zupanc, Alja Videtič Paska

P076

Effects of levodopa on prolactin expression within the adenohypophysis and 17-beta-estradiol-induced prolactinomas in a rat postmenopausal hemi-parkinsonism model

Maja Zorović, Kaja Kolmančič, Marko Živin

P077

Magnetic resonance imaging in detection of neuromelanin in substantia nigra in Parkinson's disease

Gašper Zupan, Dušan Šuput, Zvezdan Pirtošek, Andrej Vovk

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Mct8-D2 knock-out mice present hyperactivity and deep alterations in their metabolic rates during the dark phase.

García-Aldea A, Grijota-Martínez C, Guadaño-Ferraz A

P079

A rare case of Frontotemporal Lobar Degeneration caused by variants of GRN and CHMP2B genes

Sevilhan Artan, Ebru Erzurumluoglu Gokalp, Demet Ozbabalik Adapinar, Hasan Bas, Oguz Cilingir, Beyhan Durak Aras

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Motor behavioral consequences of gestational antiepileptic drug exposure in rats

Mahmut Guner, Emel Ulupinar

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The role hydrogen sulfide (H₂S) in pentylentetrazole-induced seizure in rats

Cansu Kılıç, Kevser Erol, Rabiye Altınbaş, Hatice Doğan, Çiğdem Çengelli Ünel, Nuşin Harmancı, Zuhul Kaltuş

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Neuroprotective effect of humanin in an in vitro Parkinson's disease model

Gulgun Sengul, Seyhmus Bayar, Seyma Tasdemir, Buse Kayhan, Aylin Sendemir

P083

Motor behavioral outcomes of targeted delivery of TAR-DNA binding protein-43 (TDP-43) in upper motor neurons

Emel Ulupinar, Birce Ercelen, Handan Acelya Kapkac, Elif Polat Corumlu2, Muhittin Arslanyolu

P085

Perineural application of resiniferatoxin on uninjured L3 and L4 nerves completely alleviates thermal and mechanical hyperalgesia following L5 nerve injury in rats

Safa Shehab, Hayate Javed, Sumisha Rehmathulla, Milos Ljubisavljevic

P086

Using a fragment-based approach to identify novel serine racemase inhibitors for treatment-resistant depression.

Olivera Grubisha, Chloe Koulouris, Benjamin D Bax, John Attack

P087

Sex-specific hippocampal metabolic signatures at the onset of systemic inflammation with lipopolysaccharide in the APP^{swe}/PS1^{dE9} mouse model of Alzheimer's disease

Alessandra Agostini, Ding Yuchun, Bai Li, David A. Kendall, Marie-Christine Pardon

P088

Nigral dopamine release gates motor activity in a novel mouse model of progressive parkinsonism

Gonzalez-Rodriguez P, Zampese E, Stout KA, Ilijic E, Guzman J, Lopez-Barneo J, Schumacker PT, Surmeier DJ

Topic: Neurophysiology (NPH)

P089

Benfotiamine, a synthetic analogue of B1 vitamin, improves hypothalamic insulin signalling and metabolic parameters associated to STZ-ICV model of Alzheimer's disease

Moraes, R.C.M., Gonçalves, A.C., Portari, G.V., Lima, G.C.A., Kleinridders, A., Torrão, A.S.

P090

Lateral Difference and Sex Difference in Electrophysiological Properties of HVCX Neurons in Adult Zebra Finches

Feng Kai, Li Dongfeng

P091

Excessive linking of hippocampal memory representations in a rat model of schizophrenia and the effect of adolescent cognitive training

Branislav Krajcovic, Hana Brozka, Helena Buchtova, Ales Stuchlik, Stepan Kubik

P092

Enhanced expression and function of P2X2 receptor in supraoptic neurons after stimulation through refeeding after fasting

Milorad Ivetic, Anirban Bhattacharya, Hana Zemkova

P093

TRAP method: a new approach to compare the neurons activated during waking and paradoxical (REM) sleep

Risa Yamazaki, Dianru Wang, Anna De Laet, Hyunsook Lee, Sébastien Arthaud, Paul-Antoine Libourel, Patrice Fort, Pierre-Hervé Luppi

P094

A role for astrocytes in Fragile X Syndrome?

Bataveljic D., Pivonkova H., Ezan P., Menuet A., Rouach N.

P095

Early manipulation of intrinsic plasticity of cortical engram cells impacts memory precision of consolidated memory

Senka Hadzibegovic, Liangying Zhu, Isabel Del Pino, Katy Le Corf, Melanie Ginger, Oliver Nicole, Bruno Bontempi, Andreas Frick

P096

Role of orexins in the determination of sleep patterns accompanying torpor

Lo Martire V, Alvente S, Amici R, Bastianini S, Berteotti C, Cerri M, Silvani A, Swoap S, Zoccoli G.

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Ultrafast Optogenetic Stimulation of the Auditory Pathway by Targeting-optimized Chronos

Vladan Rankovic, Daniel Keppeler, Burak Bali, David Lopez de la Morena, Antoine Huet, Tobias Moser

P098

Activity of basal forebrain neurons in a classical sustained attention task

Diana Balazsfi, Eszter Birtalan, Balint Kiraly, Ildiko Horvath, Domokos Mathe, Krisztian Szigeti, Joshua I. Sanders, Balazs Hangya

P099

In vivo model of the aging blood-brain barrier: observations of the functional and structural changes with multiple methods

Bors L, Bajza Á, Tóth K, Csorba A, Máthé D, Szigeti K, Gyertyán I and Erdő

P100

Presynaptic properties of the morpho-functionally diverse axon terminals of hippocampal mossy fibers

János Brunner, Endre Levente Marosi, János Szabadics

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Dendritic Activities in Pyramidal Cells During Sharp Wave-Ripple Oscillations

Balázs Chiovini, Dénes Pálfi, Gábor Juhász, Linda Judák, Zsolt Mezriczky, Anna Mihály, Gergely Katona, Balázs Rózsa

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Quasi-simultaneous in vivo photosimulation and calcium imaging with multi-3D acousto-optical two-photon microscopy

Csaba Csupernyák, Máté Marosi, Gergely Szalay, Gergely Katona, Katalin Ócsai, Róbert Bolla, András Fehér, Máté Veress, Áron Szepesi, Balázs Rózsa

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Impact of the recording site location on the recording performance of silicon probes in acute experiments

Richárd Fiáth, Domokos Meszéna, István Ulbert

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The role of parvalbumin positive basal forebrain neurons in coding surprise and valence during pavlovian conditioning

Panna Hegedus Julia Heckenast, Balazs Hangya

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Heterogeneous spindle- and theta-phase preference of supragranular regular spiking interneurons during non-REM and REM sleep.

Horváth J, Averkin RG, Bordé S, Dashkovskiy V, Szemenyei V, Tamás G

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In Vivo Localization of Deep Brain Electrodes in Mice

Bálint Király, Diána Balázsfi, Ildikó Horváth, Nicola Solari, Domokos Máthé, Krisztián Szigeti, Balázs Hangya

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Synchronization of medial septal pacemaker neurons during hippocampal theta generation

Barnabás Kocsis, Richárd Fiáth, Andor Domonkos, Péter Barthó, Tamás Freund, Szabolcs Káli, István Ulbert, Viktor Varga, Balázs Hangya

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In vivo glutamatergic and cholinergic interplay in the rat hippocampal CA1 area: Interactions of alpha7 nicotinic acetylcholine receptor excitation with spontaneous and NMDA-evoked firing activity

Nagy LV., Bali ZK., Hernádi I.

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Recordings of Single Neuron Activities in the Amygdala of Behaving, Head-Fixed Mice

Gergő A. Nagy, Bence Barabás and Norbert Hájos

P110

The basal forebrain may provide a link between locomotion and learning

Katalin Sviatkó, András Széll, Panna Hegedüs, Anita Bánhidi, Balázs Hangya

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Functional connectivity between the lateral hypothalamus and two main cortical areas, anterior cingulate and orbitofrontal cortex, involved in decision-making

Sara Karimi, Mohammad Ismail Zibaii, Gholamali Hamidi, Abbas Haghparast

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How attention shapes song perception in juvenile zebra finches during song learning
Jelena Katic, Yoko Yazaki-Sugiyama

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Presynaptic activation of 5-HT_{1B} receptors inhibits proprioceptive sensory inputs to jaw-closing motoneurons

Tomio Inoue, Ai Nagata, Kiyomi Nakayama, Masanori Dantsuji, Shiro Nakamura, Ayako Mochizuki, Koutaro Maki

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Dual action of D1 and D2 dopamine receptors activation in nucleus incertus

Agata Szlaga, Anna Gugula, Anna Blasiak

P115

Superior colliculi control firing of the contralateral rostromedial tegmental nucleus – an optogenetic studies in the rat

Kamil Pradel, Tomasz Błasiak

P116

Brain state dependent responses of dopaminergic neurons to the aversive stimulus

Izowit G., Walczak M., Drwięga, G., Pradel, K., Solecki, W., Błasiak T.

P117

Potassium channels are important for the mobility of BV2 microglia

Ruxandra-Elena Anton, Violeta Ristoiu, Alexandru-Florian Deftu

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Electrocorticographical Recordings In A Robust In Vivo Model Of Epileptic Seizures In Mice

Marina Cozma, Miruna Costreie, Miruna Rascu, Mihai Stancu, Alexandru Calin, Andrei Ilie, John Jefferys, Ana-Maria Zagrean, Colin Akerman

P119

Altered peripheral nerve TRPV4 function in a mouse model of demyelinating Charcot-Marie-Tooth disease

Loredana Cumpăna, Tudor Selescu, Alexandru Babes, Christian Krarup, Mihai Moldovan

P120

Functional abnormalities in the cerebello-thalamic-cortico network in an GNAL (+/-) animal model of dystonia

Elena Laura Georgescu, Fabien Menardy, Hind Baba Aïssa, Assunta Pelosi, Leonardo Belluscio, Denis Hervé, Clément Léna, Daniela Popa

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Iba-1 silencing alters mobility of BV2 microglia

Andreea-Violeta Grosu, Gisela Gaina, Alexandru-Florian Deftu, Roxana-Olimpia Gheorghe, Violeta Ristoiu

P122

Early detection and monitoring of cerebral ischemia using a calcium responsive MRI probe

Goran Angelovski, Tanja Savić, Giuseppe Gambino, Vahid Bokharaie, Hamid R. Noori and Nikos K. Logothetis

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Kv1.3 and Kv1.5 channels are involved in BV2 cells' migration

Mihail Ghenghea, Angelica Tuchiluş, Violeta Ristoiu, Alexandru Deftu

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In Vivo Chemogenetic Modulation of Seizure Activity in Mice

Raluca-Elena Mitran, Patricia-Demetria Popovici, Miruna Rascu, Maria-Miruna Costreie, Vlad-Petru Moroza, Mihai Stancu, Alexandru Calin, Andrei Ilie, Ana-Maria Zagrean, John Jefferys, Colin Akerman

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Task-related EEG reactivity following transcranial direct current stimulation of the dorsolateral prefrontal cortex

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