

POSTER SESSION I. 17th January 2019

Number of poster	Presenter	Poster	Session
1	Alán Alpár	REDUCED NUMBER OF SECRET AGOGIN-CONTAINING NEURONS IN THE DEVELOPING CORTEX IN DOWN-SYNDROME	a
2	Cintia Klaudia Finszter	NEUROSERPIN EXPRESSION DURING HUMAN BRAIN DEVELOPMENT AND IN ADULT BRAIN REVEALED BY IMMUNOHISTOCHEMISTRY AND SINGLE CELL RNA SEQUENCING	a
3	Diána Fülöp	ESTIMATION OF VISUAL ACUITY USING STEADY-STATE VISUAL EVOKED POTENTIAL IN PRETERM AND FULL-TERM INFANTS	a
4	Mihály Kálmán	EVOLUTIONARY DIFFERENCES IN THE IMMUNOREACTIVITY OF GFAP IN VERTEBRATES	a
5	Vanessza Matuz	COMPARATIVE STUDY ON ASTROGLIAL ARCHITECTURES OF SELECTED BRAIN AREAS IN MORE AND LESS ADVANCED ACTINOPTERYGII	a
6	Brigitta Baksa	CHARACTERIZATION OF FUNCTIONAL SUBGROUPS AMONG GENETICALLY IDENTIFIED CHOLINERGIC NEURONS IN THE PEDUNCULOPONTINE NUCLEUS	b
7	Snezana Raus Balind	DIVERSITY OF DENDRITIC SPIKES UNDERLYING COMPLEX SPIKE BURSTING IN CA3 PYRAMIDAL CELLS	b
8	Tsogbadrakh Bayasgalan	THE M-CURRENT IS A POTENTIAL SYNCHRONIZER OF MESENCEPHALIC CHOLINERGIC NEURONS	b
9	János Brunner	DIRECT RECORDINGS FROM SMALL STRUCTURES OF MOSSY FIBERS	b

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10	Andrea Csemer	OREXINERGIC NEUROMODULATORY ACTIONS MODIFY OCCURRENCE OF SLOW INWARD CURRENTS ON NEURONS IN THE PEDUNCULOPONTINE NUCLEUS	b
11	Kludia Dócs	LIPOXYGENATION OF THE ENDOCANNABINOID 2-AG IN SPINAL ASTROCYTES	b
12	Zsuzsanna Fekete	SYNAPTIC COMMUNICATION BETWEEN PYRAMIDAL CELLS AND PERISOMATIC INHIBITORY CELLS IN THE MOUSE PREFRONTAL CORTEX	b
13	Norbert Hájos	INPUT-OUTPUT FEATURES OF PERISOMATIC INHIBITORY INTERNEURONS IN THE MOUSE PREFRONTAL CORTEX	b
14	Szabina Furdan	FUNCTIONAL EVIDENCE FOR INSULIN AND GLP1 ACTION ON NEOCORTICAL NEUROGLIAFORM CELLS	b
15	Katalin Fusz	ECCENTRICITY DEPENDENCE OF ELECTRICAL SYNAPSE DENSITY IN THE CAT RETINA	b
16	Alma Ganczer	INHIBITING INNER RETINAL SIGNAL TRANSMISSION RESULTS IN SUSTAINED-TO-TRANSIENT SWITCH IN RETINAL GANGLION CELL LIGHT RESPONSES	b
17	Attila Gulyás	LOSS OF INHIBITION TURNS PHYSIOLOGICAL HFOS INTO PSEUDO-SYNCHRONOUS PATHOLOGIC HFOS	b
18	Nóra Henn-Mike	GRID-LIKE HEXAGONAL PATTERNS OF DENDRITIC BUNDLES IN THE RODENT ENTORHINAL CORTEX	b
19	Edina Hormay	GLUCOSE-MONITORING NEURONS IN THE CINGULATE CORTEX OF THE RAT. - MICROELECTROPHYSIOLOGICAL STUDY	b

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20	Attila Ignác	PKD CONTROLS ENDOCYTIC AMPAR TRAFFICKING IN THE SYNAPTIC MEMBRANE	b
21	Gábor Juhász	ION-CHANNEL AND RECEPTOR SUBUNIT DIFFERENCES BETWEEN FAST SPIKING AND PYRAMIDAL CELLS OF PREFRONTAL CORTEX	b
22	Dániel Magyar	NOXIOUS STIMULATION EXCITES BOTH PRINCIPAL NEURONS AND INTERNEURONS IN THE BASOLATERAL AMYGDALA COMPLEX IN VIVO	b
23	Hajnalka Ábrahám	SPROUTING OF PARVALBUMIN-IMMUNOREACTIVE AXONS IN THE DENTATE GYRUS OF TEMPORAL LOBE EPILEPSY WITH DIFFERENT ETIOLOGIES	c
24	István Ábrahám	NEUROTROPHIN RECEPTOR DYNAMICS IN ALZHEIMER'S DISEASE	c
25	Zoltán Bárány	EXAMINATION OF THE OXIDATIVE STRESS AND THE TUMOR NECROSIS FACTOR (TNF)-A-PRODUCTION IN HEPATIC ENCEPHALOPATHY	c
26	Tamás Bellák	HUMAN INDUCED PLURIPOTENT STEM CELLS INDUCE MORPHOLOGICAL AND FUNCTIONAL RECOVERY AFTER SPINAL CORD INJURY	c
27	Alexandra Büki	INVESTIGATION OF POTENTIAL NEUROANATOMICAL CHANGES IN SCHIZOPHRENIA-LIKE WISKET RATS	c
28	Fanni Dóra	CHARACTERIZATION OF MOLECULAR CHANGES IN THE DORSOMEDIAL PREFRONTAL CORTEX OF SUICIDE VICTIMS	c
29	Evelin Fehér	A STRUCTURAL EVALUATION OF SOME KYNURENIC ACID ANALOGUES AND THEIR ELECTROPHYSIOLOGICAL EFFECTS	c

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30	Zoltán Fekécs	LESION-INDUCED SECRETOME OF NEUROECTODERMAL STEM CELLS PROMOTES FUNCTIONAL RECOVERY AFTER SPINAL CORD INJURY	c
31	Rita Frank	ANOXIC DEPOLARIZATION INDUCES GLUTAMATE EXCITOTOXICITY AND CAUSES CELL DEATH IN RAT BRAIN SLICES	c
32	László Gál	TNF-A PRETREATMENT OF EMBRYONIC SPINAL CORDS IMPROVES THE OUTCOME AFTER VENTRAL ROOT AVULSION INJURY	c
33	Balázs Györffy	SYNAPTIC FUNCTIONAL DISTURBANCES LEADING TO C1Q DEPOSITION IN HEALTH AND DISEASE	c
34	Blanka Heizer	EVALUATION OF ELECTROPHYSIOLOGICAL DATA OF KAINATE INDUCED CHRONIC EPILEPTIC EVENTS IN MICE	c
35	Julianna Kobolák	MODELLING THE NEUROPATHOLOGY OF MUCOPOLYSACCHARIDOSIS TYPE II WITH DISEASE-SPECIFIC HUMAN INDUCED PLURIPOTENT STEM CELLS	c
36	Magor Lőrinc	PRONOUNCED HETEROGENEITY AMONG THE ACTIVITY OF VARIOUS NEOCORTICAL NEURONS DURING ABSENCE SEIZURES	c
37	Orsolya M. Tóth	NIMODIPINE DELIVERY WITH PH RESPONSIVE NANOPARTICLES TARGETED TO THE ISCHEMIC AREA IN THE RAT BRAIN	c
38	Ábel Major	EFFECT OF NATURALLY DEPOSITED AMYLOID-BETA ON THE HIPPOCAMPAL NETWORK	c
39	Valéria Meszlényi	ALTERATIONS IN MOTONEURONAL CALCIUM LEVEL AFTER LONG-TERM TREATMENT WITH SERUM FROM SALS PATIENTS	c

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40	Bernát Nógrádi	ULTRASTRUCTURAL CHANGES INDUCED BY ACUTE BLOOD SERUM INOCULATION OF ALS PATIENTS WITH GENETIC MUTATIONS	c
41	Adél Bihari	OPERA SINGING: UCOVERING THE NEURAL BASIS OF SINGING EXPERTISE USING FMRI	d
42	László Ducza	SPINAL NEURONAL UPREGULATION OF P2X4 RECEPTOR IN CFA EVOKED CHRONIC INFLAMMATORY PAIN	d
43	Balázs Dániel Fülöp	COMPLEX EXAMINATION OF THE AUDITORY SYSTEM IN PACAP-DEFICIENT MICE	d
44	Kristóf Furuglyás	LAYER-SPECIFIC SINGLE NEURON - LFP CORRELATIONS AND CAUSAL FUNCTIONAL CONNECTIVITY DURING MULTIMODAL MISMATCH DETECTION TASK	d
45	Andrea Gajtkó	CYTOKINE EXPRESSION OF REACTIVE ASTROCYTES IN CHRONIC INFLAMMATORY PAIN	d
46	Zsófia Giricz	SPIKE LFP PHASE-COUPPLING IN THE SUPERIOR COLLICULUS OF THE ANAESTHETIZED CATS	d
47	Nóra Hadinger	HIGHLY SPECIALIZED FRONTAL CORTICAL CONTROL OVER THE ANTERIOR THALAMIC RETICULAR NUCLEUS	d
48	Zsuzsanna Helyes	NEUROINFLAMMATION AND SENSITIZATION ARE MEDIATED BY INTERLEUKIN-1 IN A MODEL OF COMPLEX REGIONAL PAIN SYNDROME	d
49	Ádám Horváth	EVIDENCE FOR THE IN VIVO ANALGESIC EFFECT OF SPHINGOMYELINASE VIA LIPID RAFTS	d

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50	Domonkos Horváth	COMPARATIVE IDENTIFICATION OF VISUAL-MOTION COMPUTATIONS IN CATS AND MICE VIA GENETICALLY TARGETED OPTICAL CIRCUIT ACCESS	d
51	Andrea Hunyadi	LAYER SPECIFIC MOLECULAR HETEROGENEITY OF THE EXTRACELLULAR MATRIX IN THE OLFACTORY BULB	d
52	Gyöngyi Karcsúné Kis	CAPSAICIN-INDUCED TRPV1 CHANNEL ACTIVATION IS MODULATED BY OXYTOCIN IN CULTURED DORSAL ROOT GANGLION NEURONS	d
53	Zoltán Kisvárday	FORM, SYNAPSES AND FUNCTIONAL TOPOGRAPHY OF A NEW CELL TYPE IN THE VISUAL CORTEX	d
54	Márk Kozsurek	CHANGES OF THE DIPEPTIDYL PEPTIDASE 4 EXPRESSION IN DIFFERENT CELL TYPES IN INFLAMMATORY CONDITIONS	d
55	Bettina Réka László	TASTE REACTIVITY ALTERATIONS AFTER INTERLEUKIN-1 β MICROINJECTION INTO THE CINGULATE CORTEX OF THE RAT	d
56	János Barna	COMPLEMENT COMPONENT 1Q SUBCOMPONENT BINDING PROTEIN IN THE BRAIN OF THE RAT	e
57	Sándor Borbély	CORTICAL LAYER 6 MODULATES ON-GOING NETWORK STATE	e
58	Veronika Csillag	THE ROLE OF SECRETIN SIGNALING IN THE REGULATION OF GNRH NEURONS	e
59	Éva Dobolyiné Renner	ELEVATED LEVEL OF GLUCAGON-LIKE PEPTIDE-1 RECEPTOR IN THE DORSOMEDIAL HYPOTHALAMIC NUCLEUS OF DIABETIC PATIENTS	e

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61	Csaba Fekete	DISTRIBUTION AND ULTRASTRUCTURALLOCALIZATION OF THE GLUCAGON-LIKE PEPTIDE-1 (GLP-1) RECEPTOR IN THE BRAIN OF RATS	e
62	Nóra Füredi	THE ROLE OF THE MC3- AND MC4 RECEPTORS ON UROCORTIN1 NEURONS IN THE EDINGER-WESTPHAL NUCLEUS	e
63	Soma Godó	RAPID EFFECT OF ESTRADIOL ON DIFFUSION DYNAMICS OF GLUTAMATE RECEPTORS	e
64	Dorina Guba	EXPRESSION OF NUCB2 AND ITS FRAGMENTS IN INTACT RAT AND IN INFLAMMATORY RAT MODEL	e
65	Anna Jász	OPTOGENETIC INHIBITION OF CALRETININ POSITIVE CELLS IN THE DORSOMEDIAL THALAMUS INFLUENCES SLEEP BEHAVIOR	e
66	Tadepalli Sai Ambika	REPETITIVE MILD TRAUMATIC BRAIN INJURY CAUSES LONG-TERM COGNITIVE IMPAIRMENT IN RATS	f
67	Zsolt Bagosi	THE EFFECTS OF BINGE DRINKING AND HANGOVER ON ANXIETYIN MICE	f
68	Diána Balázsfi	ACTIVITY OF BASAL FOREBRAIN NEURONS IN A CLASSICAL SUSTAINED ATTENTION TASK	f
69	Júlia Baross	14-MONTH-OLD INFANTS TRACK OTHERS' LINGUISTIC COMPREHENSION WHEN INTERPRETING AMBIGUOUS SEMANTIC LABELS	f

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70	László Bíró	ACTIVATION OF GABAERGIC CELLS IN THE EXTENDED AMYGDALA DURING MEMORY CONSOLIDATION DISRUPTS FEAR MEMORY EXTINCTION	f
71	Éva Borbély	GENETIC LACK OF TRPA1 RECEPTOR ATTENUATES THE B-AMYLOID1-42-INDUCED NEUROTOXICITY IN THE BASAL FOREBRAIN CHOLINERGIC NEURONS	f
72	Nóra Bruszt	ALPHA7 NICOTINIC ACETYLCHOLINE RECEPTOR AGONIST PHA-543613 IMPROVES LONG-TERM MEMORY AND ATTENTION IN AGED RATS	f
73	Tiago Chaves do Carmo	ROLE OF THE DOPAMINERGIC CELLS IN THE MEDIAN RAPHE IN THE BEHAVIOUR OF MALE MICE	f
74	Krisztina Csabafi	THE EFFECT OF UROCORTIN 3 ON CHRONIC MILD STRESS INDUCED ANXIETY	f
75	Dávid Csabai	QUANTITATIVE ULTRASTRUCTURAL ANALYSIS OF NEURONAL MITOCHONDRIA IN THE MEDIAL PREFRONTAL CORTEX OF CHRONICALLY STRESSED RATS	f
76	Vivien Csikós	DEOXYNIVALENOL AFFECTS NEURONAL ACTIVITY IN THE BRAIN REWARD SYSTEM AND INHIBITS MOTIVATIONAL BEHAVIOR IN MOTHERS	f
77	Diána Dimén	CHEMOGENETICALLY INFLUENCED GABAERGIC NEURONS IN THE PREOPTIC AREA OF MICE AFFECT MATERNAL BEHAVIOURS	f
78	Csilla Lea Fazekas	ROLE OF VESICULAR GLUTAMATE TRANSPORTER 3 POSITIVE CELLS OF THE MEDIAN RAPHE REGION IN SOCIAL BEHAVIOUR	f
79	Emese Alexandra Fazekas	PARENTING-RELATED GENE EXPRESSIONAL CHANGES IN THE BRAIN OF FEMALE ZEBRA FINCHES	f

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80	Merse E. Gáspár	THE FINESTRUCTURE OF EYE MOVEMENTS REVEALS PREDICTIVE INTERNAL MODELS OF DYADIC AGENT DYNAMICS IN 14-MONTH-OLD INFANTS	f
81	Tamás Gaszner	NEURONAL ACTIVITY AND EPIGENETIC CHANGES IN LIMBIC BRAIN TERRITORIES IN THREE HIT THEORY OF DEPRESSION	f
82	Petra Hermann	NEURAL BASIS OF DISTRACTOR RESISTANCE DURING WORKING MEMORY MAINTENANCE	f
83	Gyöngyi Horváth	THE BENEFICIAL EFFECTS OF COGNITIVE TRAINING IN CONTROL AND SCHIZOPHRENIA-LIKE WISKET RATS	f
84	Krisztina Horváth	INTERLEUKIN 6 DEFICIT RESULTSIN PASSIVE COPING AND DEFENSE	f
85	Vanda Horváth	BINGE DRINKING AND HANGOVER HAVE DIFFERENT IMPACTS ON DEPRESSION IN MICE	f
86	Katalin Eszter Ibos	CRF SYSTEM MEDIATES ANXIETY IN CHRONIC KIDNEY DISEASE	f
87	Dávid Keller	MAPPING OF THE NEURONAL ACTIVATION MECHANISMS UPON SOCIAL ENCOUNTER IN RAT	f
88	Barnabás Kocsis	MEDIAL SEPTAL PACEMAKER NEURONS SYNCHRONIZE IN PHASE NOT IN FREQUENCY DURING HIPPOCAMPAL THETA GENERATION	g
89	Katalin Ócsai	SIGNAL SHAPE BASED FUNCTIONAL NEURON CLUSTERS FROM TWO-PHOTON IMAGING OF LEARNING MICE	g

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90	György Perczel	FITTING HAWKES PROCESSES TO MULTI-UNIT ACTIVITY OF AN EPILEPTIC PATIENT	g
91	Ágnes Simon	DESIGN OF GAP JUNCTION INHIBITORS: IDENTIFYING STRUCTURAL PRINCIPLES OF ASTROCYTIC AND NEURONAL CONNEXIN MODELS	g
92	Ágnes Agócs-Laboda	CHRONIC CALCIUM IMAGING OF NETWORK ACTIVITY IN FREELY BEHAVING MICE WITH MINIATURE FLUORESCENT MICROSCOPE	h
93	Emma Balog	INVESTIGATING KYNURENIC ACID PRODUCTION AND KYNURENERGIC MANIPULATION ON ACUTE MOUSEBRAIN SLICE PREPARATIONS	h
94	Luca Barnaföldi	PROBABILISTIC TRACTOGRAPHY SHOWS CORRELATION WITH CORTICO-CORTICAL EVOKED POTENTIALS (CCEP) OVER ICTAL AREAS	h
95	Zsigmond Benkő	MODELL-FREE UNIQUE EVENT DETECTION IN TIME SERIES	h
96	Dorottya Berki	MODELLING ALZHEIMER'S DISEASE WITH 3D ENGINEERED NEURONAL TISSUE DERIVED FROM INDUCED PLURIPOTENT STEM CELLS	h
97	Csaba Csupernyák	SIMULTANEOUS IN VIVO PHOTOSIMULATION AND CALCIUM IMAGING WITH MULTI-3D ACOUSTO-OPTICAL TWO-PHOTON MICROSCOPY	h
98	Csaba Dávid	SPATIAL AUTOCORRELATION (MORAN'S I) REDUCES BIAS OF OBJECT DELINEATION IN MICROSCOPIC IMAGES	h
99	Viktor János Oláh	EXTRACTING THE NATIVE NEURONAL SIGNALS FROM INHERENTLY DISTORTED RECORDINGS BY MODELLING THE EXPERIMENTAL INSTRUMENTATION	h

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100	Sándor Lovas	QUANTIFICATION OF CELL DEATH IN LONG-TERM ORGANOTYPIC CULTURE OF THE ADULT HUMAN RETINA	h
101	Dániel Magda	MICROGLIA ACTIVATION IN LONG-TERM ORGANOTYPIC CULTURE OF THE HUMAN RETINA	h
102	Myrtill Majoros	MODULATION OF NEURONAL ACTIVITIES BY HIGH EFFICIENCY TWO-PHOTON GABA UNCAGING COMPOUND	h