

LIST OF POSTERS

Saturday, 14th September 2019 - POSTER SESSION I.

09.30 – 12.00

P1 BASIC NEUROSCIENCE

PP1 RAPID GOLGI IMPREGNATION OF PYRAMIDAL NEURONS IN THE PREFRONTAL CORTEX IN SCHIZOPHRENIA

Banovac I, Sedmak D, Rojnić Kuzman M, Hladnik A, Petanjek Z

PP2 MORPHOLOGICAL ANALYSIS OF VON ECONOMO NEURONS

Banovac I, Sedmak D, Džaja D, Jalšovec D, Jovanov Milošević N, Rašin MR, Petanjek Z

PP3 SMARTPHONE OPHTHALMOSCOPY – A NOVEL METHOD FOR TRACKING CHANGES IN THE RETINA AFTER ISCHEMIC STROKE IN DIABETIC MICE

Barić A, Radmilović M, Justić H, Kežić J, Škokić S, Brkić A L, Dobrivojević Radmilović M

PP4 STRIATAL MEDIUM SPINY NEURONS SHOW GENDER DIFFERENCES IN DENDRITIC MORPHOLOGY

Bičanić I, Džaja D, Darmopil S, Petanjek Z

PP5 GROWTH OF HUMAN STRIATUM DURING FETAL AND EARLY POSTNATAL LIFE REVEALED BY VOLUMETRIC ANALYSIS

Blažević Andrea, Raguž Marina, Sedmak Dora, Džaja Domagoj, Radoš M, Kostović I

PP6 DO SUBTHALAMIC AND SUBSTANTIA NIGRA NEURONS SHARE COMMON NEURONAL LINEAGE?

Bokulić E, Medenica T, Sedmak G

PP7 SYNAPTIC CHANGES WITHOUT SIGNS OF NEURODEGENERATION IN THE ROSTRAL CEREBRUM AFTER TRAUMATIC BRAIN INJURY IN THE RAT

Dolenec P, Pilipović K, Gržeta N, Župan Ž, Župan G

PP8 B4GALNT1-KNOCKOUT AND CUPRIZONE-INDUCED DEMYELINATION IS ASSOCIATED WITH CHANGES IN PARVALBUMIN AND CALRETININ-EXPRESSING INTERNEURONS IN THE MURINE CORTEX

Fenrich M, Viljetić B, Zjalić M, Habjanović K, Blažetić S, Heffer M

PP9 EXPRESSION ANALYSIS OF A NOVEL NEUROPEPTIDE, UROGUANYLIN, IN THE HUMAN PREFRONTAL CORTEX

Habek N, Sedmak D, Petanjek Z, Dugandžić

PP10 SEX SPECIFIC CHANGES IN EXPRESSION OF MAJOR BRAIN GANGLIOSIDES IN THE HIPPOCAMPI OF MIDDLE-AGED RATS ON WESTERN DIET

Ivić V, Rončević A, Labak, Zjalić M, Čosić A, Drenjančević I, Heffer M

PP11 INFLUENCE OF LEVEL OF OXYGEN ON EXPRESSION OF MAP1LC3A, A MARKER OF AUTOPHAGY

Jagečić D, Hribljan V, Lisjak D, Mitrečić D

PP12 SINGLE MODERATE TRAUMATIC BRAIN INJURY IN MICE CAUSES CHANGES IN PSD-95 IMMUNOREACTIVITY IN THE IPSILATERAL CORTEX AND HIPPOCAMPUS

Janković T, Gržeta N, Župan G, Pilipović K

PP13 CHALLENGES IN COMBINING IN VIVO AND EX VIVO VOLUMETRIC ANALYSIS OF MOUSE ISCHEMIC BRAIN

Justić H, Barić A, Skokić S, Dobrivojević Radmilović M, Dullin C, Tromba G, Filipović N, Mioč P, Gajović S

PP14 PROLIFERATIVE CAPACITY OF NEOCORTICAL PROGENITORS IS LINKED TO CHANGES IN THEIR MORPHOLOGY

Kalebic N, Huttner WB

PP15 CHLORPROMAZINE SPECIFICALLY AFFECTS EXPRESSION OF EXTRACELLULAR VESICLE-ASSOCIATED CD81 PROTEIN IN HUMAN GLIOMA AND NEUROBLASTOMA CELL LINES

Kauzlaric V, Kuharić J, Malenica Staver M, Kučić N, Sotošek Tokmadžić V, Grabušić K

PP16 THE EFFECT OF HYPOXIA ON SHAPE AND NUMBER OF MITOCHONDRIA

Lisjak D, Hribljan V, Jagečić D, Spajić S, Mitrečić D

PP17 THE EFFECTS OF ACUTE INTERMITTENT HYPERCAPNIA AT DIFFERENT BACKGROUND OXYGEN CONCENTRATIONS ON RENAL SYMPATHETIC NERVE ACTIVITY AND ARTERIAL BLOOD PRESSURE IN RATS

Madirazza K, Đogaš Z, Pavlinac Dodig I, Valić, Pecotić

PP18 MARKER OF ADULT UPPER CORTICAL LAYERS CUX2 IS EXPRESSED IN TRANSIENT CELL POPULATIONS OF THE HUMAN FETAL BRAIN

Miškić T, Krsnik Ž, Kostović I

PP19 EARLY DIFFERENTIATION OF HUMAN CENTRAL AMYGDALOID NUCLEUS REVEALED BY EXPRESSION OF TRANSCRIPTION FACTOR DLX6

Mulc D, Knezović V, Miškić T, Krsnik Ž, Kostović I, Vukšić M

PP20 LIPID ENVIRONMENT OF INSULIN AND LEPTIN RECEPTOR IN GLIOBLASTOMA CELLS

Muršić B, Viljetić B, Pap Marianna, Heffer Marija

PP21 OBSTRUCTION OF MESENCEPHALIC AQUEDUCT AND DEVELOPMENT OF HYDROCEPHALUS

Radoš M, Periša A, Živko M, Strbačko I, Jurjević I, Orešković D, Klarica M

PP22 NEURODEGENERATION, MICROGLYOSIS AND ASTROCYTOSIS IN THE OPTIC TRACT DURING THE FIRST WEEK FOLLOWING REPETITIVE MILD TRAUMATIC BRAIN INJURY IN WILD TYPE AND TDP-43 TRANSGENIC MICE

Rajić Bumber J, Pilipović K, Gržeta N, Dolenc P, Janković T, Križ J, Župan G

PP23 AFFERENT CONDITIONING OF MOTOR EVOKED POTENTIALS FOLLOWING TRANSCRANIAL MAGNETIC STIMULATION OF PRIMARY MOTOR CORTEX

Rogić Vidaković M, Jerković A, Šoda J, Vujović I, Benzon B, Đogaš Z

PP24 AUTOMATED ESTIMATION OF PEAK-TO-PEAK AMPLITUDE AND LATENCY OF MOTOR EVOKED POTENTIALS IN TRANSCRANIAL MAGNETIC STIMULATION STUDIES

Rogić Vidaković M, Jerković A, Šoda J, Vujović I, Benzon B, Đogaš Z

PP25 MOLECULAR CHARACTERIZATION OF INTERNEURONS IN THE HUMAN PREFRONTAL CORTEX

Sedmak D, Habek N, Dugandžić A, Petanjek Z

PP26 DENDRITIC REMODELING OF CONTROL AND TUMOR NECROSIS ALPHA DEFICIENT DENTATE GRANULE CELLS FOLLOWING ENTORHINAL CORTEX LESION IN ORGANOTYPIC TISSUE CULTURES

Smilovic D, Rietsche M, Deller T, Vukšić M

PP27 THE EXPRESSION OF NEUROPLASTIN, CALCIUM ATPASE AND SODIUM/POTASSIUM ATPASE IN THE BRAIN OF MICE LACKING TOLL-LIKE RECEPTOR 2

Stojanović M, Puljko B, Ilić K, Mlinac Jerković K, Radmilović M, Mitrečić D, Kalanj Bogar S

PP28 CHANGES OF PERINEURONAL NETS MORPHOLOGY, HYPERACTIVE BEHAVIOR AND COGNITIVE DEFICITS IN MILD PERINATAL HYPOXIC BRAIN LESION IN RATS

Trnski S, Ilić K, Nikolić B, Habek N, Hranilović D, Jovanov Milošević N

PP29 DEVELOPMENT AND CHARACTERIZATION OF A NOVEL TRANSGENIC MOUSE MODEL WITH BIOLUMINESCENT AND FLUORESCENT NEURONS FOR IN VIVO IMAGING

Valenta M, Gajović S, Josić P, Srakočić S

PP30 FATTY ACID TREATMENT AND CHOLESTEROL LOWERING DRUG SIMVASTATIN DISPLACE NEUROPLASTIN NP-65 FROM LIPID RAFTS

Zjalic M, Mateskovic A, Pap M, Heffer M

PP31 VALIDATION OF SPLIT LUCIFERASE REPORTER SYSTEM FOR THE DETECTION OF HUMAN TAU PROTEIN OLIGOMERIZATION IN LIVING YEAST CELLS

Zubčić K, Šimić G, Boban M

P2 CLINICAL NEUROSCIENCE

PP32 ANATOMICAL SUBDIVISION OF THE SUBTHALAMIC NUCLEI

Almahariq F, Sedmak G, Raguz M, Chudy D

PP33 DEEP BRAIN STIMULATION FOR THE EARLY TREATMENT OF THE MINIMALLY CONSCIOUS STATE AND VEGETATIVE STATE

Chudy D

PP34 CORRELATION BETWEEN FUNCTIONAL CLASSIFICATION OF CHILDREN WITH CEREBRAL PALSY AND INTRACRANIAL ULTRASOUND AND MAGNETIC RESONANCE FINDINGS

Delin S, Šimic Klarić A, Mejaški Bošnjak V

PP35 VOLUMETRIC MAGNETIC RESONANCE IMAGING — BASED MORPHOMETRY AND EARLY MOTOR DEVELOPMENT OF PRETERM INFANTS

Katušić A, Raguž M, Žunić Išasegi, Kostović I

PP36 EARLY NAA AND CHO CHANGES MEASURED BY MAGNETIC RESONANCE SPECTROSCOPY IN DLPC AND AMYGDALA PREDICT LONGER DEPRESSION-FREE INTERVAL UNDER MAINTENANCE ANTIDEPRESSANT TREATMENT

Henigsberg N, Kalember P, Radoš M, Radoš M, Savić A, Šarac H, Šečić A, Bajs Janović M, Ozretić D, Erdeljić Turk V, Hrabáč P

PP37 DEMONSTRATION OF NEUROFEEDBACK TRAINING IN TIC TREATMENT – A CASE STUDY

Kovač D, Golubić S

PP38 MIGRAINE HEADACHES - EFFECTS OF NEUROFEEDBACK TRAINING ON MIGRAINE WITH AURA: A CASE STUDY

Kovač D, Golubić S

PP39 INFLAMMATORY PROCESSES IN DENTAL MEDICINE AND PSYCHOPHARMACOLOGICAL TREATMENT OF DEPRESSION – PRELIMINARY RESEARCH RESULTS

Novy Radonić E, Jelavić S, Caratan S, Aurer A, Filipčić I, Radonić E

PP40 VOLUMETRIC INDICATORS OF RECOVERY FROM VEGETATIVE AND MINIMALLY CONSCIOUS STATE AFTER DEEP BRAIN STIMULATION

Predrijevac N, Raguz M, Deletis V, Oreskovic, Chudy

PP41 DEEP BRAIN STIMULATION IS ACCOMPANIED WITH BRAIN STRUCTURE CHANGES IN VEGETATIVE AND MINIMAL CONSCIOUS STATE PATIENTS

Raguz M, Predrijevac N, Deletis V, Almahariq F, Kostovic I, Chudy D

Saturday, 14th September 2019 - POSTER SESSION II.

14.00 – 16.30

P3 COGNITIVE NEUROSCIENCE

PP42 PREFRONTAL CORTEX ACTIVATION DURING COGNITIVE TASK AS A PREDICTOR OF STRESS RESILIENCE: FMRI VS FNIRS STUDY

Kesedžić I, Božek J, Radoš M, Popović S, Ćosić K

PP43 INFLUENCE OF AGE AND GENDER ON COGNITIVE AND PSYCHOMOTOR ABILITIES MEASURED BY THE COMPLEX REACTIONMETER DRENOVAC-SERIES TESTS

Krišto D, Pavlinac Dodig I., Lušić Kalcina L, Pecotić R, Valić M, Đogaš Z

PP44 POSTOPERATIVE MONITORING OF COGNITIVE FUNCTIONS AFTER LARYNGECTOMY

Kukolj M, Tot M, Čičak K, Kopic A, Ferenčak B

PP45 SYSTEM FOR AUTOMATIC FEATURE EXTRACTION AND PATTERN RECOGNITION IN EEG SIGNAL ANALYSIS

Moštak I, Friganović K, Zelenika Zeba M, Cifrek M

PP46 SLEEP, ANXIETY, AND COGNITIVE AND PSYCHOMOTOR ABILITIES OF MEDICAL STUDENTS MEASURED BY TESTS OF THE COMPLEX REACTIONMETER DRENOVAC SERIES

Pavlinac Dodig, L. Lušić Kalcina, M. Valić, R. Pecotić, Z. Đogaš

PP 47 THE INTELLIGENCE – AUTOMATED BEHAVIORAL PHENOTYPING IN RODENTS

Russig H, Daldrup T

PP48 SOME DETERMINANTS OF WELL-BEING AMONG MOTHERS OF PRETERM INFANTS

Vidaković M, Ombla, J, Nekić M

PP49 ROLE OF CONSERVED BIOLOGICAL PATHWAYS AND FUNCTIONING OF MISMATCH REPAIR GENES IN MENINGIOMA PROGRESSION

Bukovac A, Kafka A, Dragičević K, Brlek P, Cesarec Augustinović S, Raguž M, Pećina-Šlaus N

P4 MOLECULAR NEUROSCIENCE

PP50 NEUROPLASTIN IN THE HUMAN BRAIN

Ilić K, Mlinac-Jerković K, Sedmak G, Šimić G, Jovanov-Milošević N, Kalanj-Bognar S

PP51 THE ROLE OF INNATE ELECTROMAGNETIC FORCES AROUND NEURONS – IMPLICATIONS ON MICROGLIAL AND ASTROCYTIC ACTIVITY

Isakovic J, Holler R, Mitrecic D, Hellmich C

PP52 WNT SIGNALOSOME IS TARGETED IN ASTROCYTOMA

Kafka A, Bukovac A, Njirić N, Tomas D, Brlek P, Dragičević K, Pećina-Šlaus N

PP53 STEM CELL POTENTIAL IN THE FETAL SUBPLATE

Miškić T, Majić Židarić V, Kostović I, Krsnik Ž

PP54 GENOMIC COPY NUMBER ABERRATIONS FOUND IN ASTROCYTOMA AND THEIR VALIDATION THROUGH CBIOPORTAL DATABASE

Pećina-Šlaus N, Kafka A, Bukovac A, Logara M, Bakarić R, Gotovac-Jerčić K, Borovečki F

PP55 THE SEMAPHORIN5A DEVELOPMENTAL EXPRESSION AND FUNCTIONAL ROLE IN MICE TELEENCEPHALON

Putar D, Zima D, Trnski S, Bobić Rasonja M, Jovanov Milošević N

P5 NEURODEGENERATIVE DISORDERS

PP56 INABILITY OF TG2576 TRANSGENIC MICE TO COMPENSATE GALACTOSE-INDUCED GLUTAMATERGIC AND ENERGETIC DISRUPTION

Babić Perhoč A, Homolak J, Knezović A, Osmanović Barilar J, Šalković-Petrišić M

PP57 NEUROPROTECTIVE EFFECTS OF EXERCISE IN RAT MODEL OF SPORADIC ALZHEIMER'S DISEASE COULD BE MEDIATED BY THE ACTIVATION OF PARAVASCULAR BRAIN WASTE REMOVAL SYSTEM AND PEROXIDASE ACTIVATION

Homolak J, Babić Perhoč A, Knezović A, Osmanović Barilar J, Šalković-Petrišić M

PP58 CEREBELLUM IN ALZHEIMER'S DISEASE: QUERCETIN AS A POTENTIAL THERAPEUTIC

Kukulj M, Langer Horvat L, Šimić G, Šoštarić B, Branović Čakanović K, Vlahović D, Gračan R, Zrinščak I, Nikolić B, Odeh D, Oršolić N

PP59 DEVELOPMENT OF NON-TRANSGENIC RAT TAUOPATHY MODEL BY APPLICATION OF TAU OLIGOMERS INTO THE ENTORHINAL CORTEX

Langer Horvat L, Španić E, Babić Leko M, Šimić G

PP60 SEX AND AGE SPECIFIC CENTRAL INFLAMMATION IN RATS UPON CHRONIC STRESS

Majer T, Bardak A, Labak I, Balog M, Gaspar R, Szűcs K, Heffer M

PP61 SPEECH AND LANGUAGE DISORDERS IN NEURODEGENERATIVE DISEASES – ALZHEIMER'S DEMENTIA AND PRIMARY PROGRESSIVE APHASIA – TWO CASE STUDIES

Nikolić Margan A

PP62 OXIDATION-REDUCTION CHANGES AND DISTRIBUTION OF TOXIC AND ESSENTIAL/TRACE ELEMENTS IN THE RAT BRAIN INDUCED BY ISOFLURANE AND IRON-DEXTRAN

Odeh D, Oršolić N, Kukolj M, Debić S, Odeh S, Bilandžić N, Sedak M

PP63 EXPRESSION OF THE ACTIVATED MICROGLIA CELLS MARKERS IN ALZHEIMER'S DISEASE

Španić E, Babić Leko M, Ilić K, Langer Horvat L, Šimić G

P6 NEURODEVELOPMENTAL BASIS OF COGNITIVE, MENTAL AND NEUROLOGICAL DISORDERS

PP64 EVIDENCE FOR DECREASED DENSITY OF CALRETININ-IMMUNOPOSITIVE NEURONS IN THE CAUDATE NUCLEUS IN PATIENTS WITH SCHIZOPHRENIA

Adorjan I, Bin S, Feher V, Tyler T, Veres D, Chance SA, Szele FG

PP65 ANALYSIS OF THE MEF2C TRANSCRIPTION FACTOR EXPRESSION IN DEVELOPING HUMAN CINGULATE GYRUS

Bobić-Rasonja M, Štajduhar A, Sedmak G, Petrović D, Jovanov-Milošević N

PP66 PREFRONTAL CORTEX IN NEURODEVELOPMENTAL DISORDERS: INSIGHTS FROM THE ORGANIZATION OF BRODMANN AREA 10 IN WILLIAMS SYNDROME

Hrvoj Mihic B, Hanson K, Lew C, August I, Cuevas D, Greiner D, Jovanov Milosevic N, Petanjek Z, Semendeferi K

PP67 TESTING PRESENCE OF DYSKINETIC EYE MOVEMENT DISORDER IN CHILDREN WITH DYSKINETIC CEREBRAL PALSY

Ivošević M, Alimović S, Moslavac A, Bošnjak Nađ K, Mejaški-Bošnjak V

P7 NEUROPHARMACOLOGY

PP68 ETHANOLIC EXTRACT OF PROPOLIS EXACERBATES COPPER-INDUCED NEURONAL DEATH: THE INVOLVEMENT OF ROS/P53/P38 INTERACTIONS

Ivošević M, Alimović S, Moslavac A, Bošnjak Nađ K, Mejaški-Bošnjak V

P8 SLEEP

PP 69 INTRODUCING THE SLOPE OF THE OXYGEN DESATURATION CURVE AS A NOVEL INDEX IN ASSESSING PHENOTYPES IN SEVERE OSA PATIENTS

Demirović S, Lušić Kalcina L, Pavlinac Dodig I, Pecotić R, Valić M, Đogaš Z

PP70 POLYSOMNOGRAPHY PARAMETERS AND SLEEP ARCHITECTURE: THE ROLE IN DAYTIME SLEEPINESS AND SLEEP QUALITY OF OSA PATIENTS

Lušić Kalcina L, Pavlinac Dodig I, Pecotić R, Valić M, Đogaš Z

PP71 SHORT LATENCY AFFERENT CORTICAL INHIBITION IN OBSTRUCTIVE SLEEP APNEA SYNDROME: A TMS STUDY

Rogić Vidaković M, Jerković A, Šoda J, Vujović I, Benzon B, Đogaš Z

PP72 SLEEP ARCHITECTURE IN SEVERE OSA PATIENTS

Valić M, Valić Z, Pecotić R, Lusić Kalcina L, Pavlinac Dodig I, Dogas Z

P9 HYPOXIC-ISCHEMIC DAMAGE

PP 73 COMBINING IN VIVO IMAGING MODALITIES IN EVALUATION OF MOUSE BRAIN AFTER ISCHEMIC LESION

Gajović S, Škokić S, Gorup D, Dobrivojević Radmilović M, Glasnović A, Josić P, Srakočić S

PP74 EFFECTS OF NEONATAL NORMOBARIC HYPOXIA ON RAT BEHAVIOR AT YOUNG AND ADULT AGE

Nikolić B, Trnski S, Kološnjaj I, Stipan M, Hranilović D, Jovanov Milošević N

PP75 THE ROLE OF GUANYLATE CYCLASE-C ON ISCHEMIC STROKE

Ratko M, N. Habek, Dobrivojević Radmilović M, Škokić S, Justić H, Dugandžić A

PP 76 MATURATIONAL CHANGES OF WHITE MATTER SEGMENTS IN PRETERM CHILDREN REVEALED BY FA AND ADC VALUES

Žunić Išasegi I, Štajduhar A, Raguž M, Radoš M, Kostović I