

POSTER SESSION I (APRIL 20TH, FRIDAY)

NEUROPATHOLOGY

BARTOSZ DOKTÓR (JAGIELLONIAN UNIVERSITY IN KRAKÓW): OVEREXPRESSION OF MUL1 AND PARKIN AS A GENOMIC THERAPY AGAINST PARKINSON'S DISEASE SYMPTOMS INDUCED BY ROTENONE IN DROSOPHILA MELANOGASTER

HANNA SON (ODESSA NATIONAL MEDICAL UNIVERSITY, UKRAINE): NEUROPROTECTIVE EFFECTS OF GERMANIUM-CONTAINING COMPOUND ON THE STREPTOZOTOCIN (STZ) - INDUCED RETINOPATHY

ADRIANA WAWER (MEDICAL UNIVERSITY OF WARSAW): THE PROTECTIVE EFFECTS OF CYSTAMINE IN THE MURINE MODEL OF PARKINSON'S DISEASE

KAREN SIMONYAN (ORBELI INSTITUTE OF PHYSIOLOGY, YEREVAN, ARMENIA): PROTECTIVE EFFECTS OF CURCUMIN AGAINST ROTENONE-INDUCED RAT MODEL OF PARKINSON'S DISEASE: IN VIVO ELECTROPHYSIOLOGICAL AND BEHAVIORAL STUDY

CARLTON RANJITH W.A (SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, INDIA): INTERACTION OF AGONIST WITH ALLOSTERIC SITE OF P1TRM1 PLAY ROLE IN ENHANCING THE CLEAVAGE OF AMYLOID BETA

CHITARANJAN MAHAPATRA (INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, INDIA): QUANTITATIVE STUDY OF ELECTRICAL ACTIVITIES IN SUBTHALAMIC NUCLEUS NEURON: ROLE OF MDMA AS A MODULATOR IN PARKINSON'S DISEASE

KATARZYNA PAWLETKO (MEDICAL UNIVERSITY OF SILESIA, POLAND): COMPARISON OF CORTICAL MODELS OF PHOTOTHROMBOTIC ISCHEMIC STROKE IN RATS - EVALUATION OF CEREBRAL BLOOD FLOW WITH LASER DOPPLER FLOWMETRY AND MAGNETIC RESONANCE IMAGING

MAGDALENA ZIEMIAŃSKA (JAGIELLONIAN UNIVERSITY IN KRAKOW): DIFFERENTIATION PROPERTIES OF HUMAN DENTAL PULP CELLS OF NEURAL CREST ORIGIN

KONRAD SZYCHOWSKI (UNIVERSITY OF OPOLE, POLAND; UNIVERSITY OF INFORMATION TECHNOLOGY AND MANAGEMENT IN RZESZOW, POLAND): IMPACT OF ELASTIN-DERIVED PEPTIDES (EDPs) ON TISSUE INHIBITORS OF METALLOPROTEINASES -1, -2, -3, -4 (TIMP-1, -2, -3, -4) MRNA EXPRESSION IN MOUSE ASTROCYTES IN VITRO

KHENE M'HAMMED AMINE (UNIVERSITY OF GHARDAIA, ALGERIA): AMELIORATIVE EFFECTS OF PELARGONIUM ROSEUM OIL ON VISUO-SPATIAL SHORT-TERM MEMORY AND ANXIETY-LIKE BEHAVIOR INDUCED BY SUB CHRONIC METHOMYL PESTICIDE EXPOSURE IN WISTAR RATS

KATARZYNA CHAMERA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): PRENATAL EXPOSURE TO POLY I:C CAUSES CHANGES IN THE HIPPOCAMPAL LEVEL OF CX3CR1 OF YOUNG OFFSPRING RATS

MARTA LEMIESZEWSKA (WROCLAW MEDICAL UNIVERSITY, POLAND): NP-POL, A NONAPEPTIDE COMPONENT OF COLOSTRININ, PROTECTS PC12 CELLS AGAINST OXIDATIVE STRESS INDUCED BY 6-HYDROXYDOPAMINE

MONIKA JANKOWSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): EFFECTS OF SELECTED ANTIOXIDANTS ON REACTIVE OXYGEN SPECIES (ROS) GENERATION AND METABOLIC ACTIVITY OF NEURONAL CELLS AFTER EXPOSURE TO AIRBORNE PARTICULATE MATTER (PM)

ALICJA SKÓRKOWSKA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): THE EFFECT OF BUTYLATED HYDROXYTOLUENE ON MOUSE HIPPOCAMPAL NEURONS IN PRIMARY CULTURES

ALICJA MACIEJSKA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): EVALUATION OF THE EFFECT OF BENZOPHENONE-3 ON THE VIABILITY OF NEURONS IN PRIMARY HIPPOCAMPAL CULTURES

EWA TROJAN (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): THE INFLUENCE OF TIANEPTINE ON THE ACTIVITY OF PRIMARY MICROGLIAL CULTURES

SAMSON SAHILE SALILE (ADDIS ABABA UNIVERSITY, ETHIOPIA): A STUDY ON IN VITRO ANTISEIZURE ACTIVITY OF PTROLOBIUM STELLATUM EXTRACTS ON MICE BRAIN SLICES

LIUDMYLA SOKURENKO (BOGOMOLETS NATIONAL MEDICAL UNIVERSITY, KYIV, UKRAINE): THE TIBIA NERVE REGENERATION AFTER NEUROPLASTY

KATARZYNA GŁOMBİK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): REGULATION OF NLRP3 INFLAMMASOME GENE EXPRESSION IN THE HIPPOCAMPUS BY MATERNAL DIABETES

JAROSLAV ROKICKI (NORWEGIAN CENTRE OF MENTAL DISORDERS RESEARCH, UNIVERSITY OF OSLO, NORWAY): GENE EXPRESSION IN VARIOUS BRAIN DISORDERS AND BRAINS

PAIN

ANNA PIOTROWSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): BLOCKADE OF CXCR3 BY (\pm)-NBI-74330 INHIBITS NEUROPATHIC PAIN IN RATS BY MODULATING RELEASE OF CXCR3 LIGANDS

KATARZYNA PAWLIK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): THE (\pm)-NBI-74330 (CXCR3 ANTAGONIST) REDUCES NEUROPATHIC PAIN AND INFLUENCES THE LEVEL OF NOCICEPTIVE FACTORS – EVIDENCE FROM IN VIVO AND IN VITRO STUDIES

KATARZYNA CIAPALA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): ZAPRINAST REDUCED PAIN AND ENHANCED OPIOID ANALGESIA IN A RAT NEUROPATHIC PAIN MODEL

AGATA CIECHANOWSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): CHANGES IN CYTOKINES LEVEL IN CORTEX AND HIPPOCAMPUS INDUCED BY TRAUMATIC BRAIN INJURY IN MICE

KATARZYNA POPIOŁEK-BARCZYK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): ANTINOCICEPTIVE EFFECTS OF NOVEL HISTAMINE H3R RECEPTOR ANTAGONIST, E-162, AND ITS INFLUENCE ON MORPHINE ANALGESIA OF NEUROPATHIC PAIN IN THE MOUSE

KLAUDIA KWIATKOWSKI (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): THE ROLE OF SELECTED ENDOGENOUS LIGANDS OF CCR2 IN NEUROPATHIC PAIN-RELATED BEHAVIORS IN MICE

JAKUB MŁOST (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): TARGETING ENDOCANNABINOID SYSTEM WITH DUAL TARGET FAAH INHIBITOR AND TRPV1 ANTAGONIST IN OSTEOARTHRITIS TREATMENT: NOVEL INSIGHT INTO MOLECULAR MECHANISM OF TRPV1 UPREGULATION AND SENSITIZATION

MARTA BRYK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): NOVEL PYRAZOLYL-PYRIDINE BASED SCAFFOLDS TARGETING CB2 RECEPTORS IN TREATMENT OSTEOARTHRITIS-RELATED PAIN

ANNA FURGAŁA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): SYNERGISTIC EFFECT OF SUB-ANALGESIC-DOSE AMBROXOL AND PREGABALIN IN OXALIPLATIN-INDUCED COLD ALLODYNIA

EWELINA ROJEWSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): GPR35 AGONIST (ZAPRINAST) INHIBITS NEUROPATHIC PAIN-RELATED BEHAVIOUR AND UPREGULATION OF PRONOCICEPTIVE FACTORS IN A RAT MODEL

SYSTEMS NEUROSCIENCE

KAMIL PRADEL (JAGIELLONIAN UNIVERSITY IN KRAKOW): SHUTTING DOWN DOPAMINERGIC SYSTEM BY OPTOGENETIC ACTIVATION OF THE ROSTROMEDIAL TEGMENTAL NUCLEUS AND LATERAL HABENULA

ALEKSANDRA TRENK (JAGIELLONIAN UNIVERSITY IN KRAKOW): NEURONS OF THE NUCLEUS INCERTUS GIVE RISE TO HIGHLY COLLATERALIZED INNERVATION OF DIFFERENT BRAIN REGIONS

ALEKSANDRA PIWKA (UNIVERSITY OF GDAŃSK, POLAND): CHOLINERGIC STIMULATION OF THE VENTRAL TEGMENTAL AREA AND ELECTRICAL HIPPOCAMPAL ACTIVITY IN RATS

MICHAŁ WILCZKOWSKI (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): ROSTROMEDIAL TEGMENTAL NUCLEUS EFFERENTS IN THE VENTRAL TEGMENTAL AREA REGULATE CS-INDUCED COCAINE SEEKING DURING EXTINCTION

MICHAŁ KIEŁBIŃSKI (JAGIELLONIAN UNIVERSITY IN KRAKOW): ADRENERGIC RECEPTOR SIGNALING IN THE VENTRAL TEGMENTAL AREA REGULATES PHASIC DOPAMINE RELEASE IN THE NUCLEUS ACCUMBENS CORE

KAROLINA KARWOWSKA (JAGIELLONIAN UNIVERSITY IN KRAKOW): LOCUS COERELUS NORADRENERGIC INNERVATION OF THE MESOCORTICAL DOPAMINE SYSTEM

EWELINA BARTOSZEK (KAVLI INSTITUTE FOR SYSTEMS NEUROSCIENCE, NTNU, NORWAY): HABENULA'S ROLE IN INTEGRATING BRAIN-WIDE SIGNALS

KAROLINA PROTOKOWICZ (UNIVERSITY OF GDANSK, POLAND): THE COLOCALIZATION BETWEEN FOS AND SEROTONIN POSITIVE CELLS AFTER ELECTRICAL STIMULATION OF THE RAPHE MAGNUS NUCLEUS IN RATS

VISUAL PROCESSES

KRZYSZTOF GOCIEWICZ (JAGIELLONIAN UNIVERSITY IN KRAKÓW): THE INFLUENCE OF BEHAVIORAL RELEVANCE OF VISUAL STIMULI ON THE PATTERNS OF ANTERIOR-POSTERIOR CONNECTIVITY AND PREFRONTAL ACTIVITY

ŁUCJA DORADZIŃSKA (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES; UNIVERSITY OF WARSAW): IS P3B A CORRELATE OF CONSCIOUSNESS? EVENT-RELATED POTENTIALS TO CONSCIOUSLY AND UNCONSCIOUSLY PRESENTED SELF-RELATED STIMULI

DOMINIKA RADZIUN (JAGIELLONIAN UNIVERSITY IN KRAKÓW; KAROLINSKA INSTITUTET, SWEDEN): THE ROLE OF SHORT-TERM VISUAL DEPRIVATION ON THE BODY REPRESENTATION

PATRYCJA DELONG (UNIVERSITY OF BIRMINGHAM): THE INVISIBLE VENTRILOQUIST: AUDIO-VISUAL INTEGRATION IN THE ABSENCE OF AWARENESS

MONIKA DERDA (JAGIELLONIAN UNIVERSITY, KRAKÓW): ROLE OF STIMULUS FEATURES IN DISENTANGLING THE PROPER NEURAL CORRELATES OF SUBJECTIVE VISIBILITY RATINGS

AFFECTIVE PROCESSES

ESZTER FARKAS (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): A COMPARATIVE CANINE/HUMAN CONSPECIFIC AND NON-CONSPECIFIC FACE AND NON-FACE PROCESSING FMRI STUDY

MAGDALENA WIKTORIA SLIWINSKA (UNIVERSITY OF YORK): DOES THE LEFT SIDE MATTER? A COMPREHENSIVE INVESTIGATION OF FACE RECOGNITION LATERALISATION IN THE POSTERIOR SUPERIOR TEMPORAL SULCUS

NATALIA KOPIŚ (CATHOLIC UNIVERSITY OF LUBLIN): FEELING OTHER PEOPLE'S PAIN: AN ERP STUDY ON FACIAL ATTRACTIVENESS AND EMPATHY

SŁAWOMIR DUDA (UNIVERSITY OF SILESIA IN KATOWICE): PSYCHOPHYSIOLOGICAL REACTION TO HAND IMAGES

MICHAŁ SZCZEPANIŁ (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): OBSERVATIONAL FEAR LEARNING IN HUMANS – TOWARD GREATER ECOLOGICAL VALIDITY

MIKOŁAJ SZULCZEWSKI (UNIVERSITY OF WARSAW): THE EFFECTS OF SLOW PACED BREATHING ON AFFECTIVE STATE, THE CARDIOVASCULAR SYSTEM, AND ADEQUACY OF VENTILATION

HALSZKA OGIŃSKA (JAGIELLONIAN UNIVERSITY IN KRAKÓW): TRACING THE MELANOPsin SYSTEM: HEDONIC TONE, MELATONIN AND CORTISOL IN PROLONGED BLUE-LIGHT BLOCKADE

KAMIL IMBIR (UNIVERSITY OF WARSAW, POLAND): AROUSAL AND SUBJECTIVE SIGNIFICANCE OF WORDS SHAPES ERP CORRELATES OF EMOTIONAL CATEGORISATION TASK

IZABELA NOWAK (JAGIELLONIAN UNIVERSITY IN KRAKOW): A SESSION OF PHYSICAL EXERCISE INTENSIFIES COMMUNICATION BETWEEN DORSOLATERAL PREFRONTAL CORTEX AND AFFECTIVE CORTICAL REGIONS: AN EEG EFFECTIVE CONNECTIVITY STUDY

OLGA TARNAWCZYK (JAGIELLONIAN UNIVERSITY IN KRAKÓW): REGULAR EXERCISE IS ASSOCIATED WITH GREATER ABILITY TO CONTROL NEGATIVE EMOTIONS: AN ERP EVIDENCE

EDMUNDS VANAGS (UNIVERSITY OF LATVIA): AFFECT AROUSAL DURING THE VIEWING OF STAGED AND REAL-LIFE VIDEOMATERIAL

MAGDALENA WIELGUS (MALOPOLSKA CENTRE OF BIOTECHNOLOGY, JAGIELLONIAN UNIVERSITY IN KRAKÓW): NEURAL BASES OF POSITIVITY BIAS IN AGEING

MAŁGORZATA WIERZBA (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): COGNITIVE CONTROL OVER MEMORY – INDIVIDUAL DIFFERENCES IN MEMORY PERFORMANCE FOR EMOTIONAL AND NEUTRAL MATERIAL

RASA MONIUNČIUNSKAITĖ (VILNIUS UNIVERSITY, LITHUANIA): BRAIN REACTIVITY TO VISUAL EMOTIONAL STIMULI DIFFERS BETWEEN NATURALLY CYCLING WOMEN AND ORAL CONTRACEPTIVE USERS: AN EVENT RELATED POTENTIAL STUDY

CLINICAL NEUROSCIENCE

MAGDALENA FERDEK (Radboud University Nijmegen; Jagiellonian University in Kraków): Decreased left temporal cortex connectivity as a correlate of depressive rumination in clinically depressed patients

JOACHIM KOWALSKI (University of Warsaw): Neural correlates of ruminations in an extreme ruminators sample

SARA BOCCADORO (Ghent University, Belgium): Alterations in resting-state functional connectivity of the theory-of-mind network in adult women with a history of childhood maltreatment compared to comparisons

PRZEMYSŁAW ADAMCZYK (Jagiellonian University, Krakow): Dynamics of humor processing in schizophrenia outpatients – an EEG effective connectivity study

ŁUKASZ OKRUSZEK (Polish Academy of Sciences): Behavioral and neurophysiological correlates of basic emotion processing in schizophrenia

KAROLINA ROKITA (National University of Ireland Galway): Early life environment and social cognition in schizophrenia

JOSI DRIESSEN (Radboud University, Nijmegen): Latent profiles of antisocial behaviour in a male offender sample

IRA POTAMIANOU (Donders Institute for Brain, Cognition and Behavior): Effect of psychopathic personality traits on approach avoidance behavior

MOTIVATIONAL PROCESSES

MARIO CARLO SEVERO (Ghent University, Belgium): Enhanced motivational significance of feedback-based performance monitoring when goal impact is transiently increased

QIAN YANG (Ghent University, Belgium): Reactive control, rather than proactive control, is the predominant source contributing to congruency sequence effect

INGRIDA ANTONOVA (Nencki Institute of Experimental Biology, Polish Academy of Science): Modified multi-source interference task (MSIT+) reveals flanker interference effect to reaction time and ERP temporal dynamics

MIKOŁAJ COMPA (Jagiellonian University in Kraków): An ERP study of the effects of attentional alerting on conflict resolution

KATARZYNA CURZYTEK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): ANTIDEPRESSANT DRUGS INHIBIT PRODUCTION OF PROINFLAMMATORY CYTOKINES IN MOUSE DENDRITIC PRECURSOR JAWSII CELLS

MAGDALENA ZYGMUNT (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): REGULATION OF ALTERNATIVE DCLK1 KINASE GENE ISOFORMS BY PSYCHOTROPIC DRUGS

KINGA MUDLAFF (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): EFFECT OF MATERNAL "WESTERN DIET" IN THE NOVEL OBJECT RECOGNITION TEST IN FEMALE AND MALE OFFSPRING RATS

DAWID GAWLIŃSKI (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): THE EFFECT OF MATERNAL MODIFIED DIET ON ANXIETY-LIKE BEHAVIOR IN ADOLESCENT MALE AND FEMALE RATS

LUCJA KUDLA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): INVESTIGATION OF A NOVEL G PROTEIN-BIASED OPIOID, PZM21, IN NOCICEPTIVE AND ADDICTION-LIKE BEHAVIORAL ASSAYS

AGATA HOGENDORF (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): 2-AMINOIMIDAZOLES: EMERGING DRUG-LIKE SEROTONERGIC CHEMOTYPE

JOANNA GOŁĘBIOWSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): EFFECTS OF CENTRAL SEROTONIN DEPLETION ON ATTENTIONAL PROCESSES IN THE FIVE CHOICE SERIAL REACTION TIME TASK IN RATS

AGATA KUZIAK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): MODELLING COMMUNICATION DEFICITS IN RODENTS

AGNIESZKA POTASIEWICZ (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): THE LIGANDS OF ALPHA7 NICOTINIC ACETYLCHOLINE RECEPTORS IMPROVE MEMORY PROCESSES AND SOCIAL BEHAVIOURS IN THE NEURODEVELOPMENTAL MODEL OF SCHIZOPHRENIA

NATALIA MALIKOWSKA-RACIA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): DOPAMINERGIC DRUGS IN A MOUSE MODEL OF POST-TRAUMATIC STRESS DISORDER: REVEALING A NOVEL POTENTIAL THERAPEUTIC PATH

ALEKSANDRA SZOPA (MEDICAL UNIVERSITY OF LUBLIN, POLAND): SELECTIVE ADENOSINE A2A RECEPTOR ANTAGONIST BUT NOT SELECTIVE ADENOSINE A1 RECEPTOR ANTAGONIST POTENTIATES ANTIDEPRESSANT-LIKE EFFECT OF BIOMETALS (Mg²⁺, Zn²⁺)

ANNA SEREFKO (MEDICAL UNIVERSITY OF LUBLIN, POLAND): EFFECT OF SODIUM SELENITE ON THE ANTIDEPRESSANT POTENTIAL OF ADENOSINE RECEPTOR ANTAGONISTS

SYLWIA WOŚKO (MEDICAL UNIVERSITY OF LUBLIN, POLAND): CB2 CANNABINOID RECEPTOR LIGANDS AUGMENT THE ANTIDEPRESSANT-LIKE POTENTIAL OF MAGNESIUM IONS

SIDI MOHAMED COULIBALY (IBN TOFAIL UNIVERSITY, KENITRA, MOROCCO): METHYL DONORS SUPPLEMENTATION ATTENUATES THE ADVERSE EFFECTS OF MATERNAL HIGH FRUCTOSE DIET OF OFFSPRING EMOTIONAL AND COGNITIVE BEHAVIORS

DIANA PIOTROWSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW; JAGIELLONIAN UNIVERSITY IN KRAKOW): PRENATAL EXPOSURE TO METHYLAZOXYMETANOL ACETATE ALTERS PUPS' ULTRASONIC VOCALISATION

SYLWIA MACHCIŃSKA (UNIVERSITY OF WARMIA AND MAZURY, OLSZTYN, POLAND): ANALYSIS OF VOLUME OF THE LATERAL AMYGDALOID NUCLEUS IN THE PREPUBERTAL AND PUBERTAL SPONTANEOUSLY HYPERTENSIVE RAT AS A MODEL OF ATTENTION-DEFICIT HYPERACTIVITY DISORDER (ADHD)

EWA BĄCZYŃSKA (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW; INSTITUTE OF PHYSICAL CHEMISTRY, POLISH ACADEMY OF SCIENCES, WARSAW): KETAMINE PROTECTS FROM DEVELOPMENT OF DEPRESSIVE-LIKE BEHAVIOR AND ACCELERATES THE PROCESS OF RETURNING TO THE NONDEPRESSED STATE

JOANNA JASTRZEBSKA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): COMORBID DEPRESSION AND COCAINE USE DISORDER: THE EFFECTS OF REPEATED TREATMENT WITH 5-HT_{2C} RECEPTOR AGONIST DURING EXTINCTION TRAINING ON COCAINE SEEKING IN BULBECTOMIZED RATS

ADAM WOJTAS (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): EFFECTS OF ACUTE ADMINISTRATION OF SELECTED SYNTHETIC CATHINONES ON DOPAMINE AND SEROTONIN LEVELS IN THE MOUSE STRIATUM AND DNA DAMAGE IN THE MOUSE CORTEX

MAGDALENA MICHALAK (INSTITUTE OF PSYCHIATRY AND NEUROLOGY IN WARSAW): LONG-LASTING AMPHETAMINE SELF-ADMINISTRATION PROCEDURE: PROCESS OPTIMISATION LEADING TO OBTAIN ADDICTION-LIKE BEHAVIOR IN RATS

HAJAR BENMHAMMED (IBN TOFAIL UNIVERSITY, KENITRA, MOROCCO): THE EFFECTS OF MATERNAL DEPRIVATION AND EARLY LIFE STIMULATION ON THE BEHAVIOR OF RATS

GABRIELA STAROWICZ (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): ANTIDEPRESSANT-LIKE EFFECT OF GPR39 AGONIST (TC-G 1008) IN COMPARISON TO IMIPRAMINE, ZNCL₂ OR MK-801

BASIC NEUROSCIENCE

LENA MAJCHROWICZ (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): SRF CONTROLS MIRNA EXPRESSION DURING NEURONAL DEVELOPMENT IN VITRO

WIOLETTA KAZANA (LUDWIK HIRSZFELD INSTITUTE OF IMMUNOLOGY AND EXPERIMENTAL THERAPY, POLISH ACADEMY OF SCIENCES, WROCLAW): POLYPEPTIDE COMPLEX YOLKIN FROM CHICKEN EGG YOLK AS A POTENTIAL MODULATOR OF BDNF EXPRESSION/SECRETION – A PILOT STUDY

POLINA MINEVA PEEVA (MAX DELBRÜCK CENTER FOR MOLECULAR MEDICINE IN THE HELMHOLTZ ASSOCIATION, GERMANY): EARLY LIFE GROWTH RETARDATION AND INCREASED FAT METABOLISM IN TPH2-DEFICIENT RATS

ARTUR PAŁASZ (MEDICAL UNIVERSITY OF SILESIA, POLAND): STRUCTURAL DIVERSITY OF THE RIBBON SYNAPSES IN THE RAT RETINA – A TEM IMAGING STUDY

LECH KACZMARCZYK (GERMAN CENTER FOR NEURODEGENERATIVE DISEASES, BONN, GERMANY): NEW TOOL FOR INTEGRATIVE ANALYSIS OF GENE EXPRESSION IN SPECIFIC CELL TYPES OF COMPLEX TISSUES

ARTUR LUZGIN (ACHUCARRO – BASQUE CENTER FOR NEUROSCIENCE, LEIOA, SPAIN): A GENETIC APPROACH TO INVESTIGATE NEURON–GLIA INTERACTION IN HEALTH AND DISEASE

DOLORES DEL PRETE (BIOMED X INNOVATION CENTER, GERMANY): GLUCOCORTICOID RECEPTOR–DEPENDENT ALTERATIONS OF METABOLISM IN PRIMARY CULTURE OF ASTROCYTES

ALINA ZAWIŚLAK (UNIVERSITY OF WROCLAW, POLAND): NEURONAL FACTORS REGULATE ASTROGLIAL GLYCOLYSIS

PRZEMYSŁAW DUDA (UNIVERSITY OF WROCLAW, POLAND): MUSCLE FRUCTOSE–1,6–BISPHOSPHATASE IS ESSENTIAL FOR LTP INDUCTION

EMILIA WITKOWSKA NERY (INSTITUTE OF PHYSICAL CHEMISTRY, POLISH ACADEMY OF SCIENCES, WARSAW): ELECTROCHEMICAL GLUTAMATE SENSING STRATEGIES FOR NEURONAL CELL CULTURES

LIUDMYLA SOKURENKO (BOGOMOLETS NATIONAL MEDICAL UNIVERSITY, KYIV, UKRAINE): CORRECTION OF ORGANIC MERCURY CYTOTOXICITY IN HUMAN GLIOBLASTS (U–373 MG) WITH ANTIOXIDANTS

JUSTYNA ADAMSKA (JAGIELLONIAN UNIVERSITY IN KRAKOW): DOPAMINE D2 SHORT RECEPTOR INTERACTS WITH BRADYKININ B2 RECEPTOR

KATARZYNA TEREJKO (WROCLAW MEDICAL UNIVERSITY, POLAND): COMPLEX EFFECT OF BENZODIAZEPINES ON GABAA RECEPTOR MECHANISM OF ACTIVATION

KATARZYNA LEBIDA (WROCLAW MEDICAL UNIVERSITY, POLAND): LONG–TERM PLASTICITY OF INHIBITORY SYNAPTIC TRANSMISSION IN HIPPOCAMPUS STRONGLY DEPENDS ON THE ACTIVITY OF MMP–3

EWA BANACH (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): THE INFLUENCE OF ALTERED GSK–3 β ACTIVITY ON DENDRITIC SPINE MORPHOLOGY AND EXCITATORY SYNAPTIC TRANSMISSION

AGNIESZKA KOSTRZEWSKA–KSIĘŻYK (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): IDENTIFICATION OF SIGNALING PATHWAYS ACTIVATED BY THE ADDITION OF PDE10A INHIBITOR IN THE STRIATAL NEURONS IN VITRO

KAJA KASPER (AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KRAKOW): THE INFLUENCE OF TRANSCRANIAL DIRECT CURRENT STIMULATION ON ELEMENTAL AND MOLECULAR COMPOSITION IN THE BRAINS OF OBESE RATS

JELLA–ANDREA ABRAHAM (FORSCHUNGSZENTRUM JÜLICH, GERMANY): NEURONAL BIOMECHANICS IN DEVELOPMENT AND DISEASE: UNDERSTANDING NEURONAL RESPONSES TO PHYSIOLOGICAL STRAIN AMPLITUDES

LINGUISTIC PROCESSES

ANNA GÁBOR (EÖTVÖS LORÁND UNIVERSITY, HUNGARY; HUNGARIAN ACADEMY OF SCIENCES): HUMAN-ANALOGUE LEXICAL PROCESSING HIERARCHY IN THE DOG BRAIN

IZABELA POREBSKA (UNIVERSITY OF POTSDAM, GERMANY; UNIVERSITY OF BONN, GERMANY): THE HUMAN MENTAL LEXICON REPRESENTATION OF MORPHOLOGICALLY COMPLEX NUMERALS – EVIDENCE FROM MASKED-MORPHOLOGICAL PRIMING

MICHAŁ KLICHOWSKI (ADAM MICKIEWICZ UNIVERSITY IN POZNAN, POLAND): FUNCTIONAL LATERALIZATION OF TOOL-SOUND AND ACTION-WORD PROCESSING IS INFLUENCED BY BILINGUAL EXPERIENCE

KHATUNA PARKOSADZE (AGRICULTURAL UNIVERSITY OF GEORGIA): EXECUTIVE AND ATTENTIONAL FUNCTIONS IN DYSLEXIA

KATARZYNA CHYL (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY OF POLISH ACADEMY OF SCIENCES): EFFECTS OF ORTHOGRAPHIC TRANSPARENCY AND READING PROFICIENCY ON THE BRAIN NETWORKS PROCESSING PRINT

BARTOSZ KOSSOWSKI (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): BIOCHEMICAL CORRELATES OF DYSLEXIA

JOANNA PLEWKO (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): LETTER AND SPEECH SOUND INTEGRATION IN EMERGING READERS WITH FAMILIAL RISK OF DYSLEXIA

ANNA BANASZKIEWICZ (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): NEURAL SYSTEMS UNDERLYING AUDIO-VISUAL POLISH AND POLISH SIGN LANGUAGE COMPREHENSION IN HEARING LATE-LEARNERS OF SIGN LANGUAGE

KAMIL BONNA (NICOLAUS COPERNICUS UNIVERSITY, TORUŃ): VARIOUS ASPECTS OF COMPENSATORY PLASTICITY DURING RESTING-STATE IN EARLY DEAF ADULTS

JACEK MATUSZEWSKI (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): MULTI-MODAL MRI INVESTIGATION OF BRAIN PLASTICITY DURING PROLONGED BRAILLE LEARNING IN SIGHTED SUBJECTS – Voxel- BASED MORPHOMETRY (VBM) AND QUANTITATIVE T1-MAPPING APPROACH

KATARZYNA RĄCZY (JAGIELLONIAN UNIVERSITY, KRAKOW): ORTHOGRAPHIC PRIMING FOR TACTILE BRAILLE ALPHABET IN THE VENTRAL OCCIPITO-TEMPORAL CORTEX OF CONGENITALLY BLIND

MARIA ZIMMERMANN (JAGIELLONIAN UNIVERSITY, KRAKOW): AUDITORY CORTEX ACTIVATION FOR TACTILE RHYTHMS PERCEPTION IN BLIND- PRELIMINARY STUDY

MEDICAL NEUROSCIENCE

ANASTASIYA LADO (REPUBLICAN RESEARCH AND PRACTICAL CENTER FOR MENTAL HEALTH, MINSK, BELARUS): IMMUNOMODULATORY EFFECTS OF AUTOLOGOUS BONE MARROW-DERIVED MESENCHYMAL STEM CELL THERAPY IN SYMPTOMATIC EPILEPSY

NATALIA NOWACZYK (ADAM MICKIEWICZ UNIVERSITY IN POZNAN, POLAND): THE CLINICAL IMAGE OF COGNITIVE DISORDERS IN A SCHOOL-AGED CHILD WITH AUTOIMMUNE EPILEPSY: EFFECTS OF NEUROPSYCHOLOGICAL THERAPY

NIKODEM HRYNIEWICZ (CNS LAB OF THE NALE CZ INSTITUTE OF BIOCYBERNETICS AND BIOMEDICAL ENGINEERING, WARSAW): SIMULTANEOUS EEG-FMRI STUDY OF PATIENTS WITH PRIMARY GENERALIZED EPILEPSY

BÁLINT FILE (PÁZMÁNY PÉTER CATHOLIC UNIVERSITY, BUDAPEST, HUNGARY): REORGANIZATION OF LARGE SCALE FUNCTIONAL NETWORKS DURING LOW FREQUENCY ELECTRICAL STIMULATION OF THE CORTICAL SURFACE

MAGDALENA OSET (MEDICAL UNIVERSITY OF LODZ, POLAND): EMPLOYMENT AS AN IMPORTANT FACTOR IN MAINTAINING QUALITY OF LIFE AND COGNITIVE FUNCTIONS IN PATIENTS WITH MULTIPLE SCLEROSIS

ANETA MYSZKA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): INTELLECTUAL SCREENING IN SUPRATENTORIAL BRAIN TUMORS BEFORE NEUROSURGERY TREATMENT: ASSESSMENT OF EXECUTIVE AND COGNITIVE DOMAINS DETERIORATION

LAURA SKARSTA (RIGA STRADINS UNIVERSITY, LATVIA): THE RESULTS OF USING IMPLANTABLE LOOP RECORDER DEVICES IN CRYPTOGENIC STROKE SURVIVORS FOR STROKE ETIOLOGY DETERMINATION IN PAULS STRADINS CLINICAL UNIVERSITY HOSPITAL FROM 2014 TO 2017

KATARZYNA KOWALSKA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): ACUTE POST - STROKE/TIA DEPRESSION IS ASSOCIATED WITH WORSE CLINICAL OUTCOME AFTER 3 AND 12 MONTHS

ŁUKASZ KRZYWOSZAŃSKI (PEDAGOGICAL UNIVERSITY, KRAKOW): SEVERITY OF DEPRESSIVE SYMPTOMS, GENDER AND LESION LOCATION IN ACUTE PHASE OF STROKE AND TRANSIENT ISCHEMIC ATTACK

ANNA KRUPA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): ASSOCIATION BETWEEN CHRONOTYPES AND BIPOLARITY, SCHIZOTYPY, SEASONALITY, AND AFFECTIVE TEMPERAMENT

NATALIA LESIEWSKA (NICOLAUS COPERNICUS UNIVERSITY IN TORUŃ, POLAND; COLLEGIUM MEDICUM IN BYDGOSZCZ, POLAND): AFFECTIVE TEMPERAMENT IN INFLAMMATORY BOWEL DISEASES: ANOTHER BRICK IN THE WALL OF DIFFERENTIATION

KAROL WDOWIŃSKI (POZNAN UNIVERSITY OF MEDICAL SCIENCES, POLAND): VERTEBRAL ARTERY DISSECTION AND CEREBROVASCULAR INSUFFICIENCY FOLLOWING CERVICAL SPINE FRACTURE IN ANKYLOSING SPONDYLITIS PATIENT - CASE REPORT

NATALIA LESIEWSKA (NICOLAUS COPERNICUS UNIVERSITY IN TORUŃ, POLAND; COLLEGIUM MEDICUM IN BYDGOSZCZ, POLAND): COMT VAL158MET AND DAT1 IN EXECUTIVE FUNCTIONING

SIRINNAZ OZTURK (WARSAW INTERNATIONAL STUDIES IN PSYCHOLOGY): DIFFERENCES OF COGNITIVE FUNCTIONING IN SELF COMPLAINING, MCI AND HEALTHY CONTROL GROUPS

ALEKSANDRA CHARCHUT (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): DRUG ABUSE IN CHILDREN AND ADOLESCENTS

TAMARA GODLEVSKA (ODESSA NATIONAL MEDICAL UNIVERSITY, UKRAINE): CEREBELLAR STIMULATION IS HELPFUL FOR CHILDREN WITH OVERACTIVE BLADDER

BOGNA BADYRA (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): KINETICS OF INFLAMMATION RESOLUTION IN NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY

SEBASTIAN JANIEC (JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE IN KRAKOW): IS THERE A RELATIONSHIP BETWEEN SUBJECTIVE ASSESSMENT OF SENSORY MODALITIES USING THE VARK QUESTIONNAIRE AND TEACHING METHODS IN MEDICAL STUDENTS?

POSTER SESSION III (APRIL 22ND, SUNDAY)

LEARNING AND MEMORY

ATTILA GASPAR (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): THE LONG-TERM EFFECT OF REPEATED EPILEPTIC SEIZURE ACTIVITY ON LEARNING PROCESSES

KINGA MOLDOVÁN (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): EFFECTS OF FEBRILE SEIZURES ON BEHAVIOUR AND MEMORY PROCESSES IN RATS

ALEKSANDRA STĘPNIAK (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): IMPACT OF ENVIRONMENTAL ENRICHMENT ON ANXIETY AND LEARNING IN THE RAT MODEL OF EPILEPSY INDUCED BY ELECTRICAL STIMULATION OF THE AMYGDALA

BARTOSZ BARAN (UNIVERSITY OF SILESIA, POLAND): BEHAVIOURAL RESPONSE OF HOUSE CRICKET (*ACHETA DOMESTICUS*) TO VIRTUAL REALITY ENVIRONMENT

MARTYNA KRAWCZYK (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): PRO-COGNITIVE EFFECTS OF A DUAL 5-HT₆/5-HT_{2A} RECEPTOR LIGANDS IN THE NOVEL OBJECT RECOGNITION TEST IN RATS

JOANNA BOROWSKA (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): WHO IS AT THE TOP OF THE HEAP? – FULLY AUTOMATED DOMINANCE ASSESSMENT IN RODENTS

JUDYTA JABŁOŃSKA (DEPARTMENT OF MOLECULAR PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): REINFORCEMENT LEARNING WITHOUT A RUSH

LEVAN BOKERIA (DONDEERS INSTITUTE FOR BRAIN, COGNITION AND BEHAVIOUR, NIJMEGEN, THE NETHERLANDS): THE HEX-MAZE TASK FOR STUDYING ACQUISITION AND UPDATING OF KNOWLEDGE-NETWORKS IN RODENTS

MATEUSZ KOSTECKI (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): RATS CAN TRANSFER INFORMATION ABOUT THE LOCALIZATION OF THE FOOD VIA SOCIAL INTERACTION

KLAUDIA KOGUT (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): INVOLVEMENT OF THE AMYGDALA GABAERGIC NEURONS IN APPETITIVE AND AVERSIVE LEARNING

NEUROPHYSIOLOGY

JOANNA SZRAMEL (JAGIELLONIAN UNIVERSITY IN KRAKOW): MOTOR STIMULATION AFFECTS THE LEVEL OF SYNAPTIC PROTEINS, EXPRESSION OF DMMANF NEUROTROPHIC FACTOR AND LIFESPAN OF DROSOPHILA MELANOGASTER

AGATA BEDNAREK (UNIVERSITY OF SILESIA, POLAND): ECDYSTEROIDS RECEPTORS AND ENZYMES OF THE BIOSYNTHESIS PATHWAYS OF THEM IN CENTRAL NERVOUS SYSTEM IN SPIDER FEMALES PARASTEATODA TEPIDARIORUM (ARANEAE, THERIDIIDAE)

JASMIN KLICH (JAGIELLONIAN UNIVERSITY IN KRAKOW): THE VISUAL SYSTEM AND FOOD INTAKE - OXYNTOMODULIN ACTIVATES THE THALAMO-CORTICAL NEURONS IN THE RAT DORSAL LATERAL GENICULATE NUCLEUS

MARTA SAWADRO (UNIVERSITY OF SILESIA, POLAND): RELATIVE EXPRESSION OF GENES ENCODING ALLATOREGULATORY NEUROPEPTIDES IN SPIDER PARASTEATODA TEPIDARIORUM (ARANEAE, THERIDIIDAE)

RICARDO SOUSA (FEDERAL UNIVERSITY OF RIO DE JANEIRO, BRASIL): A NEW MODEL OF GESTATIONAL DIABETES IN MICE AND ITS CONSEQUENCES TO THE CENTRAL NERVOUS SYSTEM OF THE OFFSPRING

JOANNA EWA SOWA (INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, KRAKOW): NEURON- AND MICROGLIA-DEPENDENT ACTIONS OF FRACTALKINE ON NEURONS ACTIVITY IN THE RAT BASOLATERAL AMYGDALA

HABIBA ELKAOUI (IBN TOFAIL UNIVERSITY, KENITRA, MOROCCO): EFFECTS OF FLAXSEED ON THE PATHOPHYSIOLOGY OF OBESITY AND BEHAVIORAL DISORDERS FOLLOWING A HIGH FRUCTOSE DIET IN WISTAR RATS

IWONA SIROCKA (UNIVERSITY OF GDANSK, POLAND): THE INFLUENCE OF TRYPTOPHAN FOOD SUPPLEMENTATION IN RATS ON THEIR BODY WEIGHT AND BASIC BEHAVIOURS

LUCYNA WALKOWICZ (JAGIELLONIAN UNIVERSITY IN KRAKOW): DOWNREGULATION OF DMMANF IN CLOCK NEURONS INFLUENCES RHYTHMIC BEHAVIOUR OF DROSOPHILA MELANOGASTER

DÓRA KESERŰ (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): THE EFFECT OF RECEPTOR-SELECTIVE DOPAMINERGIC AND NORADRENERGIC DRUGS ON THE WAKE-SLEEP STATES

ANNA KUSTRON (JAGIELLONIAN UNIVERSITY IN KRAKOW): SHORT WAVELENGTH SPECTRAL SENSITIVITY OF THE RAT LATERAL GENICULATE NUCLEUS

ANNA SANETRA (JAGIELLONIAN UNIVERSITY IN KRAKOW): NOREPINEPHRINE AFFECTS ACTIVITY OF THE RAT INTERGENICULATE LEAFLET NEURONS OF THE THALAMUS

ANNA GUGUŁA (JAGIELLONIAN UNIVERSITY IN KRAKOW): HYPOTHALAMIC DOPAMINE NEURONS AS A POTENTIAL SOURCE OF SEX DIFFERENCES IN FOOD INTAKE CONTROL GOVERNED BY THE RAT NUCLEUS INCERTUS

PATRYCJA ORŁOWSKA-FEUER (MALOPOLSKA CENTER OF BIOTECHNOLOGY OF JAGIELLONIAN UNIVERSITY IN KRAKOW): AGE DEPENDED EFFECTS OF OREXIN A ON THE NEURONAL ACTIVITY IN THE RAT DORSAL LATERAL GENICULATE NUCLEUS

MAGDALENA WALCZAK (JAGIELLONIAN UNIVERSITY IN KRAKOW): INFLUENCE OF CARBACHOL ON ELECTRICAL ACTIVITY OF MIDBRAIN DOPAMINERGIC NEURONS - IN VIVO STUDIES ON URETHANE ANAESTHETIZED MICE

VERONIKA BÓDI (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): NEURONAL AND INTESTINAL EFFECTS OF THE MYCOTOXIN ZEARALENON ON RATS AFTER SUBCHRONIC ADMINISTRATION

PETRA VARRÓ (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): NEURONAL AND INTESTINAL EFFECTS OF THE MYCOTOXIN FUMONISIN B1 ON RATS AFTER SUBCHRONIC ADMINISTRATION

KACPER WITEK (JAGIELLONIAN UNIVERSITY IN KRAKOW): NEUROTOXICITY OF ACRYLAMIDE CHANGES THE LEVEL AND THE CIRCADIAN PATTERN OF LOCOMOTOR ACTIVITY OF DROSOPHILA MELANOGASTER

AGATA SZLAGA (JAGIELLONIAN UNIVERSITY IN KRAKOW): INFLUENCE OF ACTIVATION OF D1 AND D2 DOPAMINE RECEPTORS ON ACTIVITY OF NUCLEUS INCERTUS NEURONS – ELECTROPHYSIOLOGICAL AND IMMUNOHISTOCHEMICAL STUDIES IN RATS

PATRYK SAMBAK (JAGIELLONIAN UNIVERSITY IN KRAKOW): DIRECT INFLUENCE OF DYNORPHIN-A ON NUCLEUS INCERTUS ACTIVITY – IMPLICATIONS FOR MOTIVATION AND FEEDING CONTROL

MAGDALENA MŁOSTEK (JAGIELLONIAN UNIVERSITY IN KRAKOW): NECK RESTRAINT STRESS-INDUCED CHANGES IN LTP ARE NOT MEDIATED BY AKT/MTOR PATHWAY

GYTIS BARANAUSKAS (NEUROSCIENCE INSTITUTE, LITHUANIAN UNIVERSITY OF HEALTH SCIENCES, KAUNAS): TWO FORMS OF ADAPTATION ACT AS A POWERFUL SPATIOTEMPORAL FILTER OF VISUAL RESPONSES IN THE RODENT COLLICULAR NEURONS

EPILEPSY

TÍMEA MÁJER (EÖTVÖS LORÁND UNIVERSITY, BUDAPEST, HUNGARY): THE ROLE OF KAINATE RECEPTORS IN EPILEPTIC DISCHARGES DURING ENTORHINAL CORTEX DEVELOPMENT, AN EX VIVO STUDY

VALERIIA CHUBACH (ODESSA NATIONAL MEDICAL UNIVERSITY, UKRAINE): CEREBELLAR SUPPRESSION OF PENTYLENETETRAZOL (PTZ) -KINDLED SEIZURES IS INCREASED BY TYROSINE-KINASE INHIBITION

MALGORZATA GORNIAK-WALAS (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): TTYH1 OVEREXPRESSION INFLUENCES SPINE FORMATION AND KINDLING SUSCEPTIBILITY

JUSTYNA SKONIECZNA (JAGIELLONIAN UNIVERSITY IN KRAKOW): EFFECTS OF KETOGENIC DIET ON SUSCEPTIBILITY TO ELECTROSHOCK-INDUCED SEIZURES

KAROLINA NIZIŃSKA (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, WARSAW): BEHAVIORAL CHARACTERISTIC AS A BIOMARKER OF DEVELOPMENT AND PHENOTYPE OF EPILEPSY IN THE TEMPORAL LOBE EPILEPSY INDUCED BY ELECTRICAL STIMULATION OF THE AMYGDALA IN RATS

OKSANA DENYSENKO (ODESSA STATE MEDICAL UNIVERSITY, UKRAINE): THE PECULIARITIES OF THE DEVELOPMENT OF PENTYLENETETRAZOLE KINDLING IN RATS OF DIFFERENT AGES

NIENKE FLIPSEN (DONDEERS INSTITUTE FOR BRAIN, COGNITION AND BEHAVIOUR, NIJMEGEN, THE NETHERLANDS; RADBOD UNIVERSITY NIJMEGEN/HAS UNIVERSITY OF APPLIED SCIENCES 's-HERTOGENBOSCH, THE NETHERLANDS): SUBCHRONIC EXPOSURE TO CANNABINOID AGONIST R(+)-WIN55,212-2 ALTERS SPIKE-WAVE DISCHARGE DURATION AND TERMINATION IN RAT

COGNITIVE PROCESSES

MONIKA RIEGEL (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY OF POLISH ACADEMY OF SCIENCES): EFFECTS OF EMOTIONAL CONGRUENCY AND BASIC EMOTIONS ON MEMORY FOR EMOTIONAL WORDS WITHIN COMMUNICATIVE CONTEXT

MONIKA RIEGEL (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY OF POLISH ACADEMY OF SCIENCES): HOW DISGUST AND FEAR INFLUENCES LONG-TERM MEMORY OF VERBAL UNITIZATIONS – MEASURING ENCODING-RETRIEVAL SIMILARITY WITH FMRI

KAROLINA FINC (NICOLAUS COPERNICUS UNIVERSITY, TORUŃ, POLAND): TASK-BASED FUNCTIONAL NETWORK CHANGES FOLLOWING 6-WEEK WORKING MEMORY TRAINING

MAGDALENA SZMYTKE (UNIVERSITY OF LODZ, ŁÓDŹ, POLAND; NICOLAUS COPERNICUS UNIVERSITY IN TORUŃ): NEW APPROACHES TO STUDYING COGNITIVE CHANGES

NATALIA PAWLACZYK (UNIVERSITY OF WARSAW; NICOLAUS COPERNICUS UNIVERSITY IN TORUŃ): GAIT PARAMETERS AS AN INDICATOR OF NAVIGATION SKILLS

ADAM GĄGOL (JAGIELLONIAN UNIVERSITY IN KRAKÓW): HALLUCINOGEN USE IS RELATED TO GREATER VOLUME IN BRAIN REGIONS KNOWN FOR OBJECT RECOGNITION

WIOLETTA KARINA OZGA (JOHN PAUL II CATHOLIC UNIVERSITY OF LUBLIN): CAN NEUROFEEDBACK IMPROVE MENTAL ROTATION PROCESS? A BETA-BAND ERD STUDY

MAŁGORZATA GUT (NICOLAUS COPERNICUS UNIVERSITY IN TORUŃ): NUMBER LINE ESTIMATION STRATEGIES USED BY CHILDREN WITH DYSCALCULIA AND HEALTHY CONTROLS

KAROLINA POCZOPKO (NICOLAUS COPERNICUS UNIVERSITY, TORUŃ): CORRELATION BETWEEN MATHEMATICAL COMPETENCIES AND INTELLIGENCE IN CHILDREN

JULIA RODKIEWICZ (NICOLAUS COPERNICUS UNIVERSITY IN TORUŃ): THE EFFECT OF COGNITIVE AND COGNITIVE-MOTOR TRAINING WITH THE USE OF MATHEMATICAL COMPUTER GAME “KALKULILO” ON THE NUMBER LINE ESTIMATION AND NUMBER MAGNITUDE COMPARISON

NATALIA RUTKOWSKA (UNIVERSITY OF WARSAW): IS COMMUNICATIVE INTENTIONS PROCESSING AUTOMATIC OR VOLITIONAL? ERP STUDY

ALEKSANDRA DOMAGALIK (MALOPOLSKA CENTRE OF BIOTECHNOLOGY, JAGIELLONIAN UNIVERSITY IN KRAKÓW): PROLONGED BLUE LIGHT BLOCKADE AFFECTS SUSTAINED ATTENTION BUT NOT WORKING MEMORY

ANNA BEREŚ (JAGIELLONIAN UNIVERSITY IN KRAKÓW): THE RECOVERY PROCESSES FOLLOWING A PERIOD OF CHRONIC PARTIAL SLEEP DEPRIVATION. AN EEG STUDY

MIRIAM KOSIK (NICOLAUS COPERNICUS UNIVERSITY, TORUŃ): EXPLORING WORKING MEMORY MODALITIES – FUNCTIONAL NETWORK ALTERATIONS DUE TO INCREASING DEMANDS OF VISUOSPATIAL AND AUDITORY WORKING MEMORY TASKS

MAGDALENA PIOTROWSKA (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES): THE EFFECT OF TASK DIFFICULTY ON BRAIN ACTIVATION IN AUDITORY VERBAL WORKING MEMORY TASK IN ELDERLY ADULTS: AN FMRI STUDY

PATRYCJA NAUMCZYK (UNIVERSITY OF GDANSK): NEURONAL MECHANISMS OF CROSS-MODAL TRANSFER IN HEALTHY AGING

SELMA LUGTMEIJER (UNIVERSITY OF AMSTERDAM; RADBOUD UNIVERSITY, NIJMEGEN): A COMPARISON OF VISUAL WORKING MEMORY AND EPISODIC MEMORY PERFORMANCE IN YOUNGER AND OLDER ADULTS

SYANAH WYNN (RADBOUD UNIVERSITY, NIJMEGEN): HOW DOING NOTHING IS RELATED TO MEMORY PERFORMANCE

BRAIN STATES

MICHAŁ KONRAD KOMOROWSKI (NICOLAUS COPERNICUS UNIVERSITY IN TORUN): RECOGNIZING CORTICAL AND DEEP SOURCES OF HUMAN BRAIN ACTIVITY FROM RESTING-STATE EEG SPECTRAL FINGERPRINTS

PAWEŁ ORŁOWSKI (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY OF POLISH ACADEMY OF SCIENCES): INFORMATIVENESS OF AUDITORY STIMULI DOES NOT AFFECT EEG SIGNAL DIVERSITY

DOMINIKA SULCOVA (UNIVERSITÉ CATHOLIQUE DE LOUVAIN, BELGIUM): SHORT LATENCY INTRACORTICAL INHIBITION IN THE ANGULAR GYRUS CHARACTERIZED BY PAIRED-PULSE TMS AND EEG CO-REGISTRATION

MARCIN SIŃCZUK (WARSAW UNIVERSITY OF TECHNOLOGY): NUCLEAR MAGNETIC RESONANCE THERMOGRAPHY

KRZYSZTOF BIELSKI (NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, POLISH ACADEMY OF SCIENCES; UNIVERSITY OF WARSAW): PARCELLATION OF THE HUMAN AMYGDALA BASED ON THE INTRINSIC DYNAMICS OF THE BOLD SIGNAL

JOANNA DUDA-GOŁAWSKA (UNIVERSITY OF WARSAW): STATISTICAL POWER OF NON-PARAMETRIC TESTS: EEG SIGNAL ANALYSIS OF EVENT RELATED ACTIVITY IN THE TIME- AND FREQUENCY DOMAIN

GABRIELA BERNATOWICZ (UNIVERSITY OF WARSAW): DISTINGUISHING BETWEEN PHYSIOLOGICAL AND EPIPHENOMENAL PHASE-AMPLITUDE CROSS-FREQUENCY COUPLING

BRAIN STRUCTURE

ADRIANA ZŁAHODA (JAGIELLONIAN UNIVERSITY, KRAKOW; AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KRAKOW): CORTICAL THINNING IN ADULT CIGARETTE SMOKERS: A LARGE-SCALE (N=513) STRUCTURAL MRI STUDY

PAULINA PALUCH (WARSAW UNIVERSITY OF TECHNOLOGY): THE IMPACT OF GEOMETRIC DISTORTION CORRECTION ON THE RESULTS OF POPULATION MRI STUDY

FABIAN BOGUSZ (AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KRAKOW): AN EFFICIENT RECOVERY OF DIFFUSION TENSOR IMAGING BIOMARKERS USING THE COMPRESSED SENSING PRINCIPLE

MULTISENSORY PROCESSES

LOUISE MANFRON (UNIVERSITÉ CATHOLIQUE DE LOUVAIN, BRUSSELS): UNIMODAL AND CROSSMODAL EXTINCTION OF NOCICEPTIVE STIMULI IN HEALTHY VOLUNTEERS

LAURA V. CUAYA (NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO): DECODING ACROSS SENSES REPRESENTATIONS OF EVERYDAY OBJECTS FROM THE LATERAL OCCIPITAL COMPLEX

RAÚL HERNÁNDEZ-PÉREZ (NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO): DECODING SHAPE, TEXTURE AND WEIGHT IN THE SOMATOSENSORY SYSTEM

SIGITA MELNYTE (VILNIUS UNIVERSITY, LITHUANIA): 40 HZ AUDITORY STEADY-STATE RESPONSE: IS HANDEDNESS IMPORTANT?