There are two poster sessions during 10th International Congress of PNS. The first Session will be held on Thursday (September 22nd) and the second Session on Friday (September 23rd). There is no poster session on Saturday.

Authors of the posters with odd number are requested at their posters at 17.30-18.15.
Authors of the posters with even numbers are requested at their posters at 18.15-19.00.

Authors are requested to have their posters placed on the board between 14.30 and 15.30 each day. Please ensure that your posters are removed immediately after the session.

TOPICS

THURSDAY
P1 Development
P2 Neural Excitability, Synapses, and Glia: Cellular Mechanisms
P3 Novel Methods and Technology Development
P4 History, Teaching, Public Awareness, and Societal Impacts in Neuroscience
P5 Homeostatic and Neuroendocrine Systems

FRIDAY
P6 Disorders of the Nervous System
P7 Sensory and Motor Systems
P8 Cognition and Behavior

POSTER SESSION I
Location: First floor corridors, FLA

P1. Development; (Thursday, September 22nd)

P1.01 NON-INVASIVE ASSESSMENT OF IMMUNOSUPPRESSION AND
PREVENTION OF ALLOGRAFT REJECTION USING BIOLUMINESCENCE IMAGING

P1.02 THE ROLE OF ADHESION MOLECULE CD44 IN DENDRITIC TREE ARBORIZATION

P1.03 THE POTENTIAL ROLE OF FAK- AND Pyk2 COUPLED PATHWAY IN THE NEUROGENESIS IN GERBIL HIPPOCAMPUS AFTER GLOBAL ISCHEMIA
Ziemka-Na??cz M., Wójcik-Stanaszek L., Zaj?c H., Zalewska T.

P1.04 MILD LABORATORY STRESS ELEVATES Fos EXPRESSION IN THE AMYGDALA AND HYPOTHALAMUS IN RATS HIGH-RESPONSIVE TO NOVELTY

P1.05 NEONATAL HYPOXIC-ISCHEMIC BRAIN INJURY ACTIVATES HIPPOCAMPAL STEM/PROGENITOR CELLS
Gregor A., Kozlowska H., Zalewska T.

P1.06 NEUROGENIC POTENTIAL OF HUMAN MESENCHYMAL STEM CELLS TRANSPLANTED INSIDE 3D GELATIN/LAMININ SCAFFOLDS OR WHARTON JELLY IMPLANTS INTO ADULT RAT BRAIN

P1.07 EFFECT OF MATRIX METALLOPROTEINASES INHIBITION ON THE PROLIFERATION AND DIFFERENTIATION OF HUCB-NSCs CULTURED IN THE PRESENCE OF ADHESIVE SUBSTRATES
Szymczak P., Sypecka J., Wójcik-Stanaszek L., Zalewska T.

P1.08 BINOCULAR DEPRIVATION REVEALS EARLY PLASTICITY-DEPENDENT REGION- AND LAYER SPECIFIC zif268 EXPRESSION PROFILES IN CAT PRIMARY VISUAL CORTEX (AREA 17)

P1.09 DISSECTING OF MICROENVIROMENTAL NISHES FOR OPC DIFFERENTIATION
Ulanska J., Zhao C., Pohl H., Suter U., Kaminska B., Franklin R.J.M., Zawadzka M.

P1.10 EPIGENETIC STIMULATION OF PLURIPOTENCY GENES IN CORD
BLOOD DERIVED NEURAL STEM CELLS
Szablowska-Gadomska I., Winiarska H., Buzanska L.

P1.11 ANALYSIS OF NEURAL POTENTIAL OF MESENCHYMAL STEM CELLS DERIVED FROM HUMAN UMBILICAL CORD
Drela K., Jablonska A., Jurga M., Domanska-Janik K., Forraz N., McGuckin C., Lukomska B.

P1.12 PROTECTION OF NEURAL STEM CELLS FROM MEHGCL EFFECT AT DIFFERENT BIOFUNCTIONAL DOMAINS
Kozlowska H., Zychowicz M., Mehn D., Dziedzicka D., Nowak J., Stepien P., Rossi F., Buzanska L.

P1.13 EFFECTS OF PATTERN DEPRIVATION ON THE DEVELOPMENT OF THE MOTION-SENSITIVE POSTERIOR MEDIAL LATERAL SUPRASylvIAN (PMLS) VISUAL AREA OF THE CAT AS REVEALED BY zil268 GENE EXPRESSION

P1.14 THE IMPACT OF LOCAL TISSUE MICROENVIRONMENT ON THE OLIGODENDROCYTE PROGENITOR DIFFERENTIATION
Sypecka J., Sarnowska A., Winiarska H., Domanska-Janik K., Lukomska B.

P1.15 EFFECTS OF BLASTOMERE BIOPSY OF PREIMPLANTATION EMBRYOS ON EXPRESSION OF IMPRINTED GENES AND ANXIETY- AND DEPRESSION-LIKE BEHAVIOURS IN MICE
Sampino S., Zacchini F., Swiergiel A., Modlinski J., Loi P., Ptak G.

P2. Neural Excitability, Synapses, and Glia: Cellular Mechanisms; (Thursday, September 22nd)

P2.01 CHOLINERGIC MODULATION OF FREQUENCY POTENTIATION AT CORTICAL LAYER 6 INPUT TO POSTEROMEDIAL THALAMIC NUCLEUS
Nersisyan S., Bekisz M., Kublik E., Smyda J., Granseth B., Wróbel A.

P2.02 THETA OSCILLATIONS IN A NOVEL IN VITRO PREPARATION OF POSTERIOR HYPOTHalamUS
Kowalczyk T., Go??biewski H., Caban B., Bocian R., Ka?mierska P., Konopacki J.

P2.03 NMDA-INDUCED ELECTROPHYSIOLOGICAL ACTIVITY IN HIPPOCAMPAL FORMATION SLICES ? ATTEMPTS TO INDUCE RHYTHMIC OSCILLATIONS
P2.04 mGluR2 AGONIST, DCG-IV, DECREASES SPIKE RATE OF MITRAL CELLS IN THE ACCESSORY OLFACTORY BULB IN ANESTHETIZED MICE
Leszkowicz E., Brennan P.A.

P2.05 ABSINTHE INGREDIENT MONOTERPENOID ?-THUJONE IS A MODULATOR OF NEURONAL GABAA RECEPTORS

P2.06 BRAIN GABA LEVELS IN WORKERS FROM TWO ANT SUBFAMILIES: INTER-SPECIFIC DIFFERENCES AND EFFECTS OF QUEEN PRESENCE/ABSENCE

P2.07 SOMATOSTATIN EXPRESSING CELLS IN EXPERIENCE-DEPENDENT PLASTICITY IN THE SOMATOSENSORY CORTEX OF ADULT MICE

P2.08 FINE-TUNED MMP-9 LEVEL IS CRITICAL FOR LTP MAINTENANCE IN MOSSY FIBER ? CA3 HIPPOCAMPAL PATHWAY

P2.09 PROXIMITY LIGATION ASSAY VISUALIZES IN CULTURED NEURONS THE INTERACTION BETWEEN ENDOGENOUS ORAI1 AND STIM PROTEINS
Gruszczynska-Biegala J., Kuznicki J.

P2.10 SYNAPTIC PLASTICITY IN BARREL CORTEX IS OCCLUDED BY CLASSICAL CONDITIONING TRAINING AND DEPENDS ON THE ACTIVITY OF METALLOPROTEINASES
Lebida K., Urban-Cie?ko J., Mozrzymas J.W.

P2.11 ACTIVITY-DEPENDENT CLEAVAGE OF Nectin-3 IS MEDIATED BY MMP-9 METALLOPROTEINASE
Rejmak E., Kalita-Bykowska K., Kaczmarek L.

Blasiak T., Kalita P.

**P2.13** CHANGES IN \( \beta \)-1-ADRENERGIC RECEPTOR SUBTYPES IN THE HIPPOCAMPUS OF RATS NON-RESPONDING TO IMIPRAMINE TREATMENT IN THE CHRONIC MILD STRESS MODEL OF DEPRESSION

**P2.14** EXPRESSION AND FUNCTION OF EXTRACELLULAR MATRIX METALLOPROTEINASE 9 IN HUMAN EPILEPSY

**P2.15** MODIFICATION OF ELECTROPHYSIOLOGICAL PROPERTIES OF BARREL CORTEX NEURONS INDUCED BY ENRICHED ENVIRONMENT ? EX VIVO STUDY
Garkun Y., Bekisz M., Zakrzewska R., Kossut M.

**P2.16** IPSILATERAL RETINAL INNERVATION OF OSCILLATORY OLIVARY PRETECTAL NUCLEUS NEURONS ? IS IT IMPORTANT?
Orłowska P., Szkudlarek H.J., Sikorska A.

**P2.17** KINETIC PROPERTIES OF LEAK CHANNEL CURRENTS IN MEDIAL PREFRONTAL CORTEX (MPFC) PYRAMIDAL NEURONS IN RATS
Książek A., Witkowski G., Szulczyk P.

**P2.18** SERUM RESPONSE FACTOR (SRF) REGULATES MATRIX METALLOPROTEINASE 9 (MMP-9) TRANSCRIPTION IN NEURONS
Kuzniewska B., Blażejczyk M., Malik A., Jaworski J., Kaczmarek L., Kalita K.

**P2.19** THE OREXIN-INDUCED RELEASE OF CYTOKINES IN PRIMARY MICROGLIAL CELL CULTURES
Namieinska M., Sokołowska P., Biegańska K., Urbanska A., Andrzejczak D, Zawilska J.

**P2.20** D1 RECEPTOR AGONIST INCREASES THE AVAILABILITY OF VOLTAGE-GATED SODIUM CURRENTS IN mPFC PYRAMIDAL NEURONS FROM ADULT RATS
Szulczyk B.; Warsaw

**P2.21** REPOSITIONING OF SELECTED GENES IN NEURONAL CELL NUCLEUS
UPON SEIZURES

P2.22 PRESYNAPTIC VOLTAGE FACILITATION OF SYNAPTIC TRANSMISSION BETWEEN CA3-CA3 PYRAMIDAL NEURONS
Bialowas A., Rama S., Zbili M., Fronzaroli-Molinieres L., Carlier E., Giraud P., Debanne D.

P2.23 OREXIN (HYPOCRETIN)-INDUCED HIPPOCAMPAL THETA RHYTHM IN URETHANIZED RATS
Bocian R., Kowalczyk T., Ka?mierska P., Go??bowski H., Konopacki J.

P2.24 INTERACTIONS BETWEEN TWO MODIFIERS OF SODIUM CHANNEL FUNCTION OBSERVED ON CELLULAR LEVEL AND IN WHOLE INSECT ORGANISM
Stankiewicz M., Ciosek J., Wyszkowska J., Gilles N.

P2.25 INDUCTION OF LONG TERM POTENTIATION IN DG ? CA3 HIPPOCAMPAL PATHWAY RESULTS IN INCREASED MMP-2/9 GELATINOLYSIS IN TARGET HILAR AND CA3 NEURONS

P2.26 NEURONAL PML BODIES ARE MODULATED BY ACTIVITY IN ADULT MURINE BRAIN
Broszkiewicz M., Szczepankiewicz A., Yeghiazaryan M., Patel S., Ruszczycki B., Pawlak R., Wiczyński G.

P2.27 5-HT7 RECEPTORS MODULATE GABAergic TRANSMISSION IN THE CA1 AREA OF RAT HIPPOCAMPUS
Tokarski K., Kusek M., Hess G.

P3. Novel Methods and Technology Development; (Thursday, September 22nd)

P3.01 SOUND FREQUENCY DISCRIMINATION: FUNCTIONAL ROLE OF c-Fos IN AUDITORY CORTEX
**P3.02** ELECTROPHYSIOLOGICAL CORRELATES OF AUDITORY PERCEPTION OF TEMPORAL ORDER
Moczulska A., Oron A., Skolimowska J., Lewandowska M., Szelag E.

**P3.03** SEPARATING DYNAMICS OF DIFFERENT CELL POPULATIONS FROM MULTIELECTRODE SIGNALS
Wójcik D., Potworowski J., G?bska H., Majka P., ??ski S.

**P4. History, Teaching, Public Awareness, and Societal Impacts in Neuroscience; (Thursday, September 22nd)**

**P4.01** THE NEED OF TEACHING CLINICAL NEUROPHYSIOLOGY AT FACULTIES OF PHYSIOTHERAPY
Kinalsiki R.

**P5. Homeostatic and Neuroendocrine System; (Thursday, September 22nd)**

**P5.01** DIFFERENTIAL mRNA EXPRESSION LEVEL OF THE Bcl2 PROTEIN FAMILY IN THE THALAMUS OF RATS REACTIVE AND NON-REACTIVE TO CHRONIC MILD STRESS ? THE ANIMAL MODEL OF DEPRESSION
Bielawski A., Rafa-Zab?ocka K., Papp M., Nalepa I.

**P5.02** TEMPORAL INACTIVATION OF THE PEDUNCULOPONTINE NUCLEUS SUPPRESSES HIPPOCAMPAL THETA RHYTHM INDUCED BY ELECTRICAL STIMULATION OF THE NUCLEUS PONTIS ORALIS IN RATS
Matulewicz P., Kusmierczak M., Orzel-Gryglewska J., Jurkowianiec E.

**P5.03** PRIOR REPEATED STRESS AFFECTS HPA AXIS AND IL-1ß RESPONSES TO ACUTE RESTRAINT

**P5.04** INTERLEUKIN-1ß IN ACTH AND CORTICOSTERONE SECRETION

**P5.05** NEUROPHYSIOLOGICAL RELATIONSHIP BETWEEN ANXIETY AND SOCIAL RANK
Krotewicz M., Wieczorek M., Koprowska M., Strzelczuk M.
P5.06 THE EFFECTS OF 8-OH-DPAT ON FOOD INTAKE IN NON- AND FOOD-DEPRIVED MICE
Brosda J., Müller N., Bert B., Fink H.

P5.07 EARLY LIFE STRESS SEX-DEPENDENTLY AFFECTS TYROSINE HYDROXYLASE IMMUNOREACTIVITY IN THE PRELIMBIC CORTEX AND STRIATUM DURING DIFFERENT STAGES OF ONTOGENESIS
Przyborowska A., Dudys D., Majcher I., Chocyk A., W?dzony K.

P5.08 PROLONGED DOCOSAHEXAENOIC ACID SUPPLEMENTATION IMPROVES STRESS-EVOKED COGNITIVE IMPAIRMENT IN RATS
Trofimiuk E., Braszko J.J.

P5.09 EFFECTS OF POSTNATAL MATERNAL SEPARATION STRESS ON LONG-TERM POTENTIATION IN THE RAT LATERAL AMYGDALA
Danielewicz J., Zieli?ski Z., Hess G.

P5.10 EFFECT OF ACUTE AND REPEATED SOCIAL STRESS ON HIPPOCAMPAL TRANSCRIPTOME IN MICE

P5.11 THE JET LAG SYNDROME IN EPILEPTIC RATS: SEIZURE RESPONSE TO 8h PHASE-SHIFT
Smyk M., Coenen A., Lewandowski M.H., van Luijtelaar G.

P5.12 EFFECTS OF REPEATED ADMINISTRATION OF CANNABIDIOL ON BODY WEIGHT GAIN, FOOD INTAKE AND ACCUMULATION OF ADIPOSE TISSUE IN RATS
Ignatowska-Jankowska B., Jankowski M., Torczynska A., Kurrek A., Swiergiel A.

P5.13 EFFECTS OF ACUTE ADMINISTRATION OF CANNABIDIOL ON FOOD INTAKE IN DEPRIVED RATS
Ignatowska-Jankowska B., Jankowski M., Torczynska A., Kurrek A., Swiergiel A.

P5.14 MODIFICATION OF DAILY FOOD INTAKE INDUCED BY CONCURRENT CHANGES IN GLUCAGON-LIKE PEPTIDE-1 (GLP-1) AND CANNABINOID CB1 RECEPTOR ACTIVITY IN THE RAT
Radziszewska E., Bojanowska E.

P5.15 EFFECT OF UNILATERAL STRIATAL 6-HYDROXYDOPAMINE LESION ON
VENTILATORY RESPONSE TO HYPOXIA IN THE RAT
Budzińska K., Andrzejewski K.

P5.16 MORPHOLOGICAL CHANGES IN THE MIDBRAIN DOPAMINERGIC CELLS IN A RESPONSE TO NEW ENVIRONMENTAL AND AFTER ELECTRICAL STIMULATION OF THE VENTRAL TEGMENTAL AREA IN RATS
Jerzemowska G., Plucińska K., Kulikowski M., Wrona D.

P5.17 LESION AND STIMULATION OF THE MESOLIMBIC MOTIVATIONAL DOPAMINE SYSTEM INFLUENCE BLOOD PERIPHERAL LYMPHOCYTE PERCENTAGE IN RATS DIFFERING IN LOCOMOTOR ACTIVITY
Plucinska K., Grembecka B., Glac W., Myslinska D., Jerzemowska G., Wrona D.

P5.18 THE EFFECTS OF RESTRAINT STRESS ON GABAERGIC AND GLUTAMATERGIC INPUTS TO THE PARAVENTRICULAR NUCLEUS OF THE RAT
Tokarski K., Kusek M., Bobula B., Godek-Michalska A., Hess G.

POSTER SESSION II
Location: First floor corridors, FLA

P.6 Disorders of the Nervous System; (Friday, September 23rd)

P6.01 MOLECULAR AND BEHAVIORAL PATTERNS ASSOCIATED TO STRESS RESPONSIVITY AND PTSD RISK
Szklarczyk K., Smutek M., Korostyński M., Solecki W., Gośda S., Przewocki R.

P6.02 NMDA RECEPTOR ANTAGONISTS ? A NOVEL APPROACH AT THE PHENOMENON OF NEUROPROTECTION
Makarewicz D., Duszczyk M., Kuszczyk M., Lazarewicz J., Salinska E.

P6.03 INFLUENCE OF MINOCYCLINE AND VALPROIC ACID ON GLIAL RESPONSE TO INTRACEREBRAL HEMORRHAGE
Majak K., Kowanski P., Domaradzka-Pytel B., Spodnik J.H., Morys J.

P6.04 INTRAPERITONEAL DELIVERY OF EX VIVO ACTIVATED MACROPHAGES RESULTS IN DEPRESSION-LIKE BEHAVIOR OF MICE
P6.05 EFFECT OF ADVANCED PATERNAL AGE ON ULTRASOUND VOCALIZATION IN MICE
Zacchini F., Sampino S., ?wiergiel A.H., Modlinski J., Loi P., Ptak G.

P6.06 EFFECTS OF COCAINE ON THE DISTRIBUTION OF LYMPHOCYTE SUBSETS IN THE SPLEEN OF RATS: POSSIBLE INVOLVEMENT OF DOPAMINE RECEPTORS

P6.07 MORPHINE DEPENDENCE IN RATS: EFFECT OF LOW-LEVEL LEAD EXPOSURE DURING PERINATAL PERIOD
Listos J., Listos L., Baranowska ? Bosiacka I., Chlubek D., Fidecka S.

P6.08 EFFECTS OF BUPROPION ON THE REINSTATEMENT OF NICOTINE-CONDITIONED PLACE PREFERENCE BY DRUG PRIMING IN RATS
Budzynska B., Biala G., Kruk M.

P6.09 EFFECTS OF CHOLINERGIC RECEPTOR LIGANDS ON MEMORY-RELATED RESPONSES MEASURED IN THE ELEVATED PLUS MAZE TEST IN MICE
Kruk M., Biala G., Budzynska B.

P6.10 EFFECTS OF OREXINS ON SURVIVAL OF RAT C6 GLIOMA CELLS. A COMPARISON TO THE PRIMARY RAT ASTROCYTE CELL CULTURES

P6.11 THE PARTICIPATION OF SIGLEC-F RECEPTOR IN MICROGLIA-GLIOMA INTERACTIONS
Wielgat P., Braszko J.J.

P6.12 REPEATED ADMINISTRATION OF CANNABIDIOL DECREASES SPLENIC LYMPHOCYTE NUMBER VIA CB2 RECEPTORS

P6.13 CO2, ISOFLURANE, AND SEVOFLURANE: HUMANE INDUCTION OF EUTHANASIA IN MICE?
Marquardt N., Fink H., Bert B.
**P6.14** EFFECTS OF REPEATED CORTICOSTERONE ADMINISTRATION ON SYNAPTIC TRANSMISSION AND PLASTICITY IN RAT FRONTAL CORTEX
Wabno J., Bobula B., Hess G.

**P6.15** DIFFERENT IMMUNE RESPONSE OF BRAIN AREAS AND THE INVOLVEMENT OF INFLAMMATORY CYTOKINES (IL-1, IL-6, TNF?) IN SPATIAL LEARNING AND MEMORY DEFICITS AFTER MPTP INJURY IN MICE
Zaremba M., Kurkowska-Jastrzębska I., Cudna A., Piechal A., Cz?onkowski A.

**P6.16** ROLE OF IL-1? IN PRODUCTION OF TNF-? AND IL-6 BY PERIPHERAL MONONUCLEAR CELLS FOLLOWING SUBARACHNOID HEMORRHAGE IN RATS

**P6.17** ROLE OF IL-1? IN STIMULATION OF PERIPHERAL MONONUCLEAR CELLS TO SECRUTE ET-1 AND IN DEVELOPMENT OF VASOSPASM FOLLOWING SUBARACHNOID HEMORRHAGE IN RATS

**P6.18** EFFECTS OF BLASTOMERE BIOPSY OF PREIMPLANTATION EMBRYOS ON EXPRESSION OF IMPRINTED GENES AND ANXIETY- AND DEPRESSION-LIKE BEHAVIOURS IN MICE

**P6.19** THE LOW-FREQUENCY OSCILLATION MODEL OF HALLUCINATIONS IN NEURODEGENERATIVE DISORDERS AND IN DELIRIUM
Juszczak G.

**P6.20** EXPRESSION OF METHYL-CpG-BINDING DOMAIN PROTEIN 3 (MBD3) IN THE EXPERIMENTAL MODEL OF THE TEMPORAL LOBE EPILEPSY IN RAT
Bednarczyk J., Sliwa A., Lukasiuk K.

**P6.21** EFFECTS OF OLANZAPINE, RISPERIDONE AND FLUOXETINE IN THE FORCED SWIMMING AND ELEVATED PLUS-MAZE TESTS IN RATS
Rogó? Z., Kabzi?ski M., Sadaj W.

**P6.22** THE INFLUENCE OF AAV-MEDIATED GENE TRANSFER OF HUMAN INTERLEUKIN 10 ON THE NEURODEGENERATIVE PROCESS IN THE MURINE MODEL OF PARKINSON'S DISEASE

**P6.23** COMMON MECHANISMS OF INTRACELLULAR CALCIUM RELEASE BY TBBPA AND THAPSIGARGIN IN CULTURED NEURONS
Zieminska E., Stafiej A., Lazarewicz J.

**P6.24** THE EFFECT OF HUMAN INTERLEUKIN-10 ON THE NITRIC OXIDE SYNTHASES? EXPRESSION IN MPTP-BASED MODEL OF PARKINSON?S DISEASE

**P6.25** THE INFLUENCE OF IL-10 ON THE INFLAMMATORY REACTION CHANGES IN THE MICE AFTER 1-METHYL-4-PHENYL-1,2,3,6-TETRAHYDROPYRIDINE (MPTP) TREATMENT

**P6.26** INVESTIGATION OF THE POTENTIAL CORRELATION BETWEEN THE COGNITIVE STATUS AND THE LEVELS OF BRAIN FATTY ACIDS IN YOUNG AND AGED C57BL/6 MICE
Jakubowska-Dogru E., Yetimler B., Ulusoy G., Celik T.

**P6.27** TDP-43 TRANSGENIC RAT ? ANIMAL MODEL TO STUDY ALS AND FTLD-U
Koza P., Klejman A., Kaczmarek L.

**P6.28** THE INFLUENCE OF LY354740 ? AN AGONIST OF GROUP-II METABOTROPIC GLUTAMATE RECEPTORS (mGluR II) ON NEURONAL APOPTOSIS IN PRIMARY NEURONS

**P6.29** HYPERBARIC PRECONDITIONING COMBINED WITH POSTISCHEMIC HYPERBARIC THERAPY PREVENTS ISCHEMIA-EVOKED DAMAGE TO CA1 HIPPOCAMPAL NEURONS OF MONGOLIAN GERMILS

**P6.30** CELLULAR LOCALIZATION AND ACTIVITY OF MATRIX METALLOPROTEINASE 9 IN MOUSE MODEL OF IN SITU THROMBOEMBOLIC
P6.31 VARIATIONS IN EXCITATORY AND INHIBITORY PRESYNAPTIC PROTEINS EXPRESSION IN MOUSE SOMATOSENSORY CORTEX WITH RESPECT TO AGING AND PLASTICITY
Liguz-Lecznar M., Zakrzewska R., Kossut M.

P6.32 CHANGES OF G?(q), G?(11) AND G?(12) mRNA EXPRESSION LEVELS IN RAT PREFRONTAL CORTEX AND AMYGDALA AFTER REINSTATEMENT OF COCAINE-SEEKING BEHAVIOR

P6.33 HIPPOCAMPAL AND CORTICAL NEUROINFLAMMATION IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS IS NOT ACCOMPANIED BY DEFICITS OF SPATIAL MEMORY IN A LATE PHASE OF THE DISEASE

P6.34 THE INVOLVEMENT OF CHOLINERGIC SYSTEM IN NICOTINE SENSITIZATION AND CROSS ? SENSITIZATION BETWEEN NICOTINE AND MORPhINE IN MICE
Staniak N., Bia?a G.

P6.35 INTRAPERITONEAL INJECTIONS OF ENDOTOXIN (PROTEUS MIRABILIS, O17 32/57) AND THE RATS? ANXIETY-LIKE BEHAVIOR AND SEROTONERGIC SYSTEM ACTIVITY IN THE CHOSEN BRAIN AREAS
Wieczorek M., Koprowska M., Krotewicz M., Strzelczuk M.

P6.36 DIFFERENTIAL EFFICACY OF MILD NORMOBARIC HYPOXIA IN INDUCING ISCHEMIC TOLERANCE IN TWO MODELS OF BRAIN ISCHEMIA IN VIVO

P6.37 AGED SOMATOSENSORY CORTEX DISPLAYS INCREASED DENSITIES OF PERINEURONAL NETS THAT ARE NOT ASSOCIATED WITH GAD-POSITIVE NEURONS
Nowicka D., Karetko-Sysa M., Skangiel-Kramska J.

P6.38 INTRAPERITONEAL INJECTIONS OF LPS (PROTEUS MIRABILIS, O17
32/57) AND THE NORADRENERGIC AND ADRENERGIC SYSTEMS ACTIVITY IN THE CHOSEN RATS? BRAIN AREAS
Wieczorek M., Krotewicz M., Koprowska M., Strzelczuk M.

**P6.39** OVEREXPRESSION OF P2X7R AND EARLY ACTIVATION OF CEREBRAL MICROGLIA DURING EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

**P6.40** ENDOGENOUS AMPK IS INVOLVED IN AUTOPHAGY IN ASTROCYTE EXPOSED TO COMBINED OXYGEN-GLUCOSE DEPRIVATION
Gabryel B., Kasprowska D., Kost A., Machnik G., Wiaderkiewicz R.

**P6.41** REDUCTION OF MICROGLIA RESPONSE AFFECTS OLIGODENDROCYTE PRECURSOR CELL DIFFERENTIATION IN A MODEL OF DEMYELINATION/REMYELINATION
Wylot B., Sielska M., Kaminska B., Zawadzka M.

**P6.42** THE INFLUENCE OF CONDITIONAL INACTIVATION OF GR IN NORADRENERGIC SYSTEM ON STRESS RELATED BEHAVIOR IN MICE

**P7. Sensory and Motor System; (Friday, September 23rd)**

**P7.01** CHANGES IN ELECTROPHYSIOLOGICAL PROPERTIES OF MOTONEURONES INNERVATING RAT MEDIAL GASTROCNEMIUS IN RESPONSE TO THE MUSCLE OVERLOAD
Ha?uszka A., B?czyk M., Celichowski J., Krutki P.

**P7.02** DIFFERENCES IN THE PONTO-CEREBELLAR PROJECTION TO THE CEREBELLAR CAUDAL VERMIS AND HEMISPHERE: A RETROGRADE DOUBLE LABELING STUDY IN THE RABBIT
Zguczy?ski L., Bukowska D., Mierzejewska-Krzy?owska B.

**P7.03** CHANGES IN THE CONTRACTILE PROPERTIES OF MOTOR UNITS IN FUNCTIONALLY OVERLOADED MEDIAL GASTROCNEMIUS MUSCLE OF THE RAT
Kry?ciak K., Drzyma?a-Celichowska H., Krutki P., Celichowski J.

**P7.04** DIVERGENT AXONS WITHIN OLIVOCEREBELLAR PROJECTION TO THE PYRAMIS AND UVULA REVEALED BY A RETROGRADE DOUBLE LABELING TECHNIQUE IN THE RABBIT
P7.05 DIFFERENCES IN THE CONTRACTILE PROPERTIES AND ACTION POTENTIALS OF MOTOR UNITS OF THE MEDIAL GASTROCNEMIUS MUSCLE IN YOUNG AND ADULT MALE RATS
Dobrzyńska Z., Celichowski J.

P7.06 VARIABILITY OF THE TWITCH RESPONSES TO INDIVIDUAL STIMULI AT RANDOM STIMULATION PATTERNS OF FAST AND SLOW MOTOR UNITS IN RAT MEDIAL GASTROCNEMIUS
Celichowski J., Raikova R., Krutki P.

P7.07 CHANGES IN ELECTROPHYSIOLOGICAL PROPERTIES OF HINDLIMB MOTONEURONES OF RATS SUBJECTED TO 5 WEEKS OF THE WHOLE-BODY VIBRATION
Bęczyk M., Hańszka A., Celichowski J., Krutki P.

P7.08 CHANGES OF MOTOR UNIT CONTRACTILE PROPERTIES AFTER LONG-TERM EXPOSURE TO THE WHOLE-BODY VIBRATION IN THE RAT
Krutki P., Kaczmarek D., ?ochyński D., Celichowski J.

P7.09 GENDER RELATED DIFFERENCES OF MOTONEURONS MORPHOMETRIC PROPERTIES OF THE RAT MEDIAL GASTROCNEMIUS MUSCLE

P7.10 INTRA- AND INTER-LIMB COORDINATION AFTER LOW THORACIC LATERAL HEMISECTION IN RATS
Leszczynska A., Cabaj A., Slawinska U., Majczynski H.

P7.11 ACTIVATED SCHWANN CELLS DELIVERED INTO THE SUBARACHNOID SPACE VIA CISTERNA MAGNA INDUCE REPAIR OF INJURED RAT SPINAL CORD WHITE MATTER

P7.12 DIFFERENTIAL EFFECTS ON LOCOMOTOR-LIKE MOVEMENTS OF PARAPLEGIC RATS PRODUCED BY ACTIVATION OF 5-HT2 OR 5-HT7 RECEPTORS
S?awińska U., Miazga K., Majczy?ski H., Cabaj A.M., Jordan L.M.
P7.13 SUBCELLULAR LOCALIZATION OF GELATINASE ACTIVITY IN SKELETAL MUSCLE OF CONTROL AND TRAINED RATS

P7.14 FUNCTION OF FIRST AND HIGHER-ORDER SOMATO-SENSORY THALAMIC RELAYS VARIES WITH LEVEL OF AROUSAL

P7.15 THE EFFECT OF HIGH-FREQUENCY, LOW-THRESHOLD ELECTRICAL STIMULATION OF PERIPHERAL NERVES ON THE POOL OF NEUROTROPHIN 3 IN THE LUMBAR SPINAL CORD AND SOLEUS MUSCLE OF THE RAT
Gajewska O., Piasecka J., Kasicki S., Skup M., Czarkowska-Bauch J.

P7.16 HOW DOES THE FIRING RATE OF SUPERIOR COLLICULUS NEURONS CORRELATE WITH IMAGE OF BRAIN ACTIVITY?
Mochol G., Wypych M., Folk A., Wójcik D.K., Waleszczyk W.J.

P7.17 INTEGRATION OF GRAFTED EMBRYONIC MOTONEURONES INTO THE ADULT HOST SPINAL CORD: ELECTROPHYSIOLOGICAL AND MORPHOLOGICAL ANALYSIS

P7.18 OSCILLATIONS IN THE ACTIVITY OF SUPERIOR COLLICULUS NEURONS: LOCKED OR NON-LOCKED TO VISUAL STIMULUS?
Foik A., Mochol G., Wypych M., Waleszczyk W.J.

P7.19 ROLE OF INHIBITION IN SHAPING RELIABILITY: TRIAL-BY-TRIAL VARIABILITY OF VISUAL RESPONSES IN SUPERIOR COLLICULUS IS INFLUENCED BY GABA
Wypych M., Mochol G., Folk A., Waleszczyk W. J.

P7.20 THE EFFECT OF AAV1/2-MEDIATED BDNF TRANSGENE OVEREXPRESSION ON trkbFL AND trkTK RECEPTOR TRANSCRIPTS AND ON TRKBFL CELLULAR LOCALIZATION IN THE TRANSECTED SPINAL CORD OF THE RAT
Ziemli?ska E., Wewiór I., Grygielewicz P., Czarkowska-Bauch J., Kügler S., Skup M.

P7.21 REGULATION OF SPINAL NOCICEPTIVE TRPV1/CB1 PROCESSING AS THERAPEUTIC OPPORTUNITIES IN A RAT MODEL OF NEUROPATHIC PAIN
Starowicz K., Zychowska M., Mrugala M., Makuch W., Korostynski M., Slezak M., Petrosino S., Di Marzo V., Przewlocka B.

P7.22 IMMUNOCHTOCHEMICAL ANALYSES OF GAT-1 IN TRAINED? BARREL HOLLOWS AFTER WHISKER-SHOCK TASK
Jasinska M., Pyza E., Hamed A., Siucinska E.

P7.23 INTRASPINAL INJECTION OF AAV5_eGFP OR AAV5_L1: EXTENT OF TRANSDUCTION AND INFLUENCE ON REGROWTH OF CST AXONS IN ADULT RATS AFTER SPINAL CORD TRANSECTION
P?atek R., Korczy?ski J., Czarkowska-Bauch J., Skup M.1

P8. Cognition and Behavior

P8.01 SEARCHING BEHAVIOR AND CORTISOL CONCENTRATION IN SALIVA IN DRUG AND EXPLOSIVES DETECTING DOGS
Adamkiewicz E., Walczak M., Jó?wik A., Jezierski T.

P8.02 (FE)MALE EMPATHY: SEX-SPECIFIC NEURAL CORRELATES OF Socially Transferred Fear
Mikosz M., Knapska E., Nowak A., Nikolaev E., Madrowski N., Sadowska J., Kaczmarek L., Werka T.

P8.03 LOSS OF mGluR5 RECEPTORS ON DOPAMINE D1-EXPRESSING NEURONS ABOLISHES NOVELTY-SEEKING BEHAVIOURS
Sikora M., Rodriguez J., Przew?ocki R.

P8.04 SOCIAL MODULATION OF CONDITIONED FEAR EXTINCTION IN MICE
Nowak A., Werka T., Knapska E.

P8.05 D-CYCLOSERINE AND MIDAZOLAM CHANGE THE EXPRESSION ALPHA-2 SUBUNITS OF GABA-A RECEPTOR AND GEPHYRIN IN THE LIMBIC STRUCTURES AS WELL AS GABA RELEASE OF HIGH AND LOW ANXIETY RATS

P8.06 BEHAVIORAL AND NEUROCHEMICAL EFFECTS OF YOHIMBINE ADMINISTRATION INTO THE AMYGDALA OF RATS
Strzelczuk M., Dadura P., Krotewicz M., Wieczorek M., Koprowska M.
P8.07 TEMPORAL TRAINING IMPROVES BOTH AUDITORY COMPREHENSION AND SPEECH PRODUCTION IN APHASIC PATIENTS
Oron A., Moczulska A., Lewandowska M., Skolimowska J., Pilczuk B., Domirz I., Kwiecinski H., Szelag E.