

Centre for Physiology and Biochemical Research (CPBR)
The Russian Society for BioPsychiatry (RSBP)
Ukrainian Society for Biological Psychiatry (USBP)
International Stress and Behavior Society (ISBS)
Institute of Experimental Medicine (IEM RAMS)

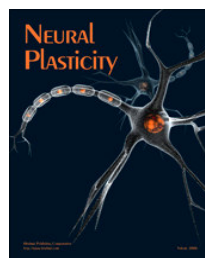


Final Program

11th INTERNATIONAL
MULTIDISCIPLINARY
NEUROSCIENCE AND
BIOPSYCHIATRY
CONFERENCE
“STRESS AND BEHAVIOR”
[1st ISBS Conference]

St-Petersburg, Russia
May 16-20, 2008

Noldus
Information Technology




Hindawi

Conference Final Scientific Program

		Day 1. Fri 16-May	Day 2. Sat 17-May	Day 3. Sun 18-May	Day 4. Mon 19-May	Day 5. Tue 20-May
Time	Event/ Venue	Oktiabrskaya Hotel, Grand hall (2nd floor) 10, Ligovsky Prospekt, St-Petersburg, Russia				IEM Conf Hall
9:00		Opening ceremony	RSBP Lecture		S7 Recent advances in translational research	CL9 Klimenko
9:30	Plenary lectures (PL, 45 min)	PL1 Kalueff	PL3 Garner	PL5 Klimenko	Discussion	PL7 Pitman Lasko
10:15		PL2 Quinn	PL4 Enginar	PL6 Wongwitdecha		CL10 Zubareva
10:30						
11:00	Coffee break					
11:15	Symposia (S)	S1 Genomics and polymorphisms	S3 Clinical issues in stress research Part I	S5 Progress in biopsychiatry research	S8 Cognitions and emotions	S10 Psycho- immuno- physiology
12:00		Discussion	Discussion	Discussion	Discussion	Discussion
13:00	Lunch time					Coffee break
13:30						Closing ceremony
14:00	Plenary presentations (PP, 60 min) Conference lectures (CL, 30 min)	PP1 Roelofs (Noldus)	PP2 Liang (CSI)	CL3 Tolmacha	CL6 Ekimova	Visit to Pavlov Department of Physiology, Tower of silence and monument to the Dog
14:30				CL4 Arndt	CL7 Shabanov	
15:00		CL1 Castagna	CL2 Czabak- Garbacz	CL5 Pastuhov	CL8 Sollertinskaya	
15:30	Coffee break					
15:45	Symposia	S2 Progress in experimental Neuroscience research Discussion	S4 Animal models of brain disorders Discussion	S6 Clinical issues in stress research Part II Discussion	S9 Integrative biological psychiatry Discussion	
17:30						
18:00						

Satellite Symposia:

May 20, 2008

SS1 (10.00-14.00): History of Russian Neuroscience (in Russian, Museum of IEM RAMS)

Chairs: Evgeniy Selivanov (Russia), Yuriy Golikov (Russia)

SS2 (18.00-22.00): 11th Spa Colloquim of Biological Psychiatry (Camelot Castle Spa Center)

Chair: Allan Kalueff (USA)

Conference Registration desk will be open:

May 16-19, 2008 - Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospekt, St-Petersburg, Russia 8.30-17.30

May 20, 2008 - Institute of Experimental Medicine, Conference Hall (2nd floor), 69/71, Kamennooostrovsky Prospekt, St-Petersburg, Russia 9.00-15.00

Day 1. Friday, May 16, 2008

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospekt, St-Petersburg, Russia

8.30-17.30 Registration

9.00-9.30 Opening ceremony

9.30-11.00 Plenary Lectures (PL, 45 min)

PL1. REFOCUSING PSYCHIATRIC GENETICS: FROM DISORDERED DOMAINS TO DOMAIN INTERPLAY. AV Kalueff, JL LaPorte. National Institute of Mental Health, NIH, Bethesda, USA

PL2. POLYMORPHIC VARIATION MODULATES NEUROTRANSMITTER GENE EXPRESSION. JP Quinn. School of Biomedical Sciences, University of Liverpool, Liverpool, UK

11.00-11.15 Coffee-Break

11.15-13.00 Conference Symposia (S)

S1. GENOMICS AND POLYMORPHISMS

Chair: John Quinn (UK)

- GENOME-WIDE ASSOCIATION STUDIES OF PSYCHIATRIC DISORDERS. G Breen. MRC Social Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, King's College London, London, UK
- A GLOBAL SURVEY OF MICROSATELLITE CONTENT IN GENOMES USING A CUSTOM MICROARRAY. HR Garner. University of Texas Southwestern Medical Center at Dallas, Dallas, UK
- GENE REGULATION, SNPS AND DISEASE. A MacKenzie, J Barrow, S Davidson. School of Medical Sciences, University of Aberdeen, Aberdeen, Scotland, UK

13.00-14.00 Lunch Break

14.00-15.00 Plenary Presentation (PP, 60 min)

PP1. THE USE OF NOLDUS TOOLS FOR STRESS BEHAVIOR RESEARCH. RF Roelofs. Noldus Information Technology, Wageningen, The Netherlands

15.00-15.30 Conference Lectures (CL, 30 min)

CL1. PRESERVATION OF HUMAN NERVOUS TISSUE IN ITALIAN 16th-CENTURY MUMMIES. M Castagna, S Fattori, A Fornaciari, S Colli, G Fornaciari. University of Pisa, Pisa, Italy

15.30-15.45 Coffee-Break

15.45-18.00 Conference Symposia (S)

S2. PROGRESS IN EXPERIMENTAL NEUROSCIENCE RESEARCH

Chair: Allan Kalueff (USA)

- HABITUATION TO NOVELTY AS INDICATOR FOR ANXIETY PHENOTYPE IN INBRED MICE. AR Salomons, SS Arndt, F Ohl. Department of Animals, Science and Society, Faculty of Veterinary Medicine, Utrecht University, Rudolf Magnus Institute of Neuroscience, The Netherlands
- INHIBITOR OF HSP70 EXPRESSION QUERCETIN ABOLISHES ANXIOLYTIC EFFECT INDUCED BY THERMAL PRECONDITIONING IN RATS. MV Chernyshev, OA Sapach, YuF Pastukhov. Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- STRESS-INDUCED RAPID HIPPOCAMPAL CORTICOSTERONE RELEASE MODULATES MEMORY RETRIEVAL IN MICE. C Tronche, F Chauveau, C Pierard, P Liscia, D Beracochea. Universite de Bordeaux, Talence, Institut de Medecine Aerospatiale du Service de Sante des Armees, France
- LONG-LASTING BEHAVIORAL EFFECTS OF CARBETOCIN ON WISTAR RATS. V Klennerova, S Hynie. Laboratory Institute of Medical Biochemistry, 1st Faculty of Medicine, Charles University in Prague, Prague, Czech Republic
- MATERNAL SEPARATION SEX-SPECIFICALLY AFFECTS NEURO-DEVELOPMENTAL APOPTOSIS IN THE SUBSTANTIA NIGRA AND THE VENTRAL TEGMENTAL AREA OF RATS. A Chocyk, D Dudys, M Mackowiak, K Wedzony. Institute of Pharmacology PAS, Krakow, Poland
- BEHAVIOURAL STUDIES ON THE ROLE OF CRF IN RAT FRONTAL CORTEX. B Zieba, M Smialowska. Institute of Pharmacology PAS, Krakow, Poland
- EFFECT OF MORPHINE ON THE ANXIETY IN THE VENTRAL TEGMENTAL AREA (VTA) AND NUCLEUS ACCUMBENS (NAC) IN ADULT MALE RAT. Gh Vaezi, MR Zarindast, A. Salarianzadeh. Biology Department, Islamic Azad University, Garmsar branch, Garmsar, Damghan branch, Damghan, Semnan; Physiology Department, Medicine Faculty, Tehran University, Tehran, Iran

Day 2. Saturday, May 17, 2008

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospekt, St-Petersburg, Russia

9.00-9.30 RSBP Lecture

9.30-11.00 Plenary Lectures (PL, 45 min)

PL 3. DEJA VU: A STUDY OF GOOD AND BAD DUPLICATION IN MEDLINE. H Garner, Biochemistry and Internal Medicine UT Southwestern Medical Center, Dallas, USA

PL 4. CONVULSIONS IN FASTED ANIMALS AFTER ANTIMUSCARINIC TREATMENT AND FOOD INTAKE. N Enginar. Istanbul University, Istanbul Faculty of Medicine, Turkey

11.00-11.15 Coffee-Break

11.15-13.00 Conference Symposia (S)

S3. CLINICAL ISSUES IN STRESS RESEARCH - PART I

Chairs: Viktor Klimenko (Russia), Allan Kalueff (USA)

- CHANGES IN LIFESTYLE BEHAVIOR AMONG BASHKORTOSTAN REGION POLICEMEN WITH NON-COMMUNICABLE DISEASES AFTER A STRESSFULL SITUATION IN CHECHNYA. ER Iskhakov, GM Bikkinina, ZV Halikova. Ufa Law Institute of Ministry of Internal Affairs, Bashkir State Medical University, Policemen Hospital of Republic of Bashkortostan, Ufa, Russia
- PREJUDGEMENT IN THE TREATMENT OF THE CHRONIC CANCER PAIN. N Boskov, B Korovljev, G Latovljev, S Tokovic. General Hospital Djordje Joanovic, Zrenjanin, Serbia
- POST-WAR STRESS INCREASES MENTAL AND BEHAVIORAL DISORDERS IN CHILDREN AND ADULTS IN CENTRAL KOSOVO AFTER NATO BOMBING. R Trajkovic, NT Kostic, B Inic. Health Center Gračanica, Kosovo, Serbia
- SEX-RELATED DIFFERENCE AS A FACTOR OF POSTROKE DEPRESSION. S Draca. Clinic of Dr M Zotovic, Belgrade, Serbia
- ANALYSIS OF GENES CODING FERMENTS RESPONSIBLE TO DEVELOPMENT OF UNIPOLAR DEPRESSION. TG Noskova, AV Kazantseva, EK Khusnutdinova. Institute of Biochemistry and Genetics, Ufa, Russia
- AUDITORY INFORMATION PROCESSING (ODDBALL PARADIGM): AN IMPACT OF COMT POLYMORPHISM. IS Lebedeva, GI Korovaitseva, TV Lezheiko, VG Kaleda, LI Abramova, AN Barkhatova, VE Golimbet. National Mental Health Research Center, Moscow, Russia
- MENTAL STATUS AND HEART RATE VARIABILITY. V Mukhin. Institute of Experimental Medicine, Pavlov Physiological Department, St. Petersburg, Russia

13.00-14.00 Lunch Break

14.00-15.00 Plenary Presentation (PP, 60 min)

PP2. BEHAVIOR RECOGNITION—W⁵: THE NEXT GENERATION OF TECHNOLOGY FOR BEHAVIORAL RESEARCH. JH Thompson, V Kobla, X Bai, F Li, D Liu, M Sun, Y Liang. Clever Sys Inc., Reston; George Mason University, Fairfax; University of Minnesota, Minneapolis, USA

15.00-15.30 Conference Lectures (CL, 30 min)

CL2. BEHAVIOUR OF WOMEN MEDICAL STAFF IN STRESS SITUATIONS. R Czabak–Garbacz, IN Zakrocka, I Furtak, J Wojcik. Medical University in Lublin, Lublin, Poland

15.30-15.45 Coffee-Break

15.45-18.00 Conference Symposia (S)

S4. ANIMAL MODELS OF BRAIN DISORDERS

Chairs: Yuriy Pastuhov (Russia), Irina Ekimova (Russia)

- **BEHAVIORAL DIFFERENCES BETWEEN GENDERS IN ANIMAL MODELS OF DEPRESSION IN MICE.** I Gyonos, I Gacsalyi, C Marton, A Gaal, LG Harsing, G Levay. EGIS Pharmaceuticals Plc, Budapest, Hungary
- **THE STUDY OF IMPAZA ANXIOLYTIC PROPERTIES IN EXPERIMENTAL MODELS OF ANXIETY IN RATS.** ES Zhavbert, JL Dugina, IA Kheyfets, MV Borodavkina, TA Voronina, GM Molodavkin, SA Sergeeva, OI Epstein. NPF Materia Medica Holding, Moscow, Russia
- **EFFECTS OF STRESS IN C57BL/6N MICE SUBJECTED TO TWO DIFFERENT CHRONIC STRESS PROCEDURES.** S Kutscherjawy, S Berger, M Kunchulia, D Bartsch. Department of Molecular Biology, CIMH, Mannheim, Germany
- **DELETION OF THE PRODYNORPHIN GENE INCREASES ANXIETY-LIKE BEHAVIOURS AND MODIFY POMC, CRF AND CB1 RECEPTOR GENE EXPRESSIONS IN RESPONSE TO RESTRAINT STRESS IN MICE.** T Femenía, J Manzanares. Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC, San Juan de Alicante, Alicante, Spain
- **OVEREXPRESSION OF CANNABINOID CB2 RECEPTORS DECREASED THE RESPONSE OF EMOTIONAL BEHAVIOURS TO ANXIOGENIC STIMULI AND IMPAIRED THE ANXIOLITIC ACTIONS OF BENZODIAZEPINES IN MICE.** MS García-Gutiérrez, J Manzanares. Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC, San Juan de Alicante, Alicante, Spain
- **LONG TERM EFFECTS OF INTRACAUDATE ADMINISTRATION OF LACTACYSTINE ON MOTOR, EMOTIONAL AND COGNITIVE BEHAVIOURS AND THE EXPRESSION OF TYROSINE HYDROXYLASE IN THE BASAL GANGLIA IN MICE.** E Garcia-Paya, MS Garcia-Gutierrez, C de Cabo, M Galindo, C Leiva, J Manzanares. Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC, San Juan de Alicante, Pfizer Translational Neuropsychopharmacology Unit, Complejo Hospitalario Universitario de Albacete, Albacete; Department of Neurology, Hospital General de Alicante, Alicante, Spain
- **MOLECULAR IMAGING OF ENHANCED CALCIUM EXPRESSION IN THE AREA POSTREMA OF TOTAL SLEEP DEPRIVED RATS.** HM Chang, CT Lan, YL Huang, FD Mai, BJ Chen, YC Ling, UN Wu. Chung Shan Medical University, Taichung; Taipei Medical University, Taipei; National Tsing Hua University, Hsinchu; National Taiwan University Hospital, Taipei, Taiwan

Day 3. Sunday, May 18, 2008

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospekt, St-Petersburg, Russia

9.30-11.00 Plenary Lectures (PL, 45 min)

PL 5. CYTOKINES IN THE BRAIN. VM Klimenko. Institute for Experimental Medicine RAMS, St. Petersburg, Russia

PL6. EARLY SOCIAL ISOLATION INTERFERES WITH THE BEHAVIORAL EFFECTS OF ETHANOL. N Wongwitdecha, H Thaidee, B Ngamnawakul. School of Medicine, Walailak University, Faculty of Science, Mahidol University, Bangkok, Thailand

11.00-11.15 Coffee-Break

11.15-13.00 Conference Symposia (S)

S5. PROGRESS IN BIOPSYCHIATRY RESEARCH

Chair: Allan Kalueff (USA)

- MORPHOLOGICAL AND CYTOCHEMICAL ALTERATIONS IN THE RAT BRAIN AFTER EXPOSURE TO ACUTE MENTAL TRAUMA. SG Tsikunov, GV Beznin, VI Liudyno, DE Korzhevskii. Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- CORRECTION OF BEHAVIOR MANIFESTATIONS OF THE POSTTRAUMATIC STRESS DISORDER BY MODULATION OF MONOAMINE SYSTEM ACTIVITY OF THE FEMALE RAT BRAIN. SG Tsikunov, AG Pshenichnaya, AG Kusov. Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- THE INFLUENCE OF SLEEP DEPRIVATION ON THE NEURONS CONTAINING OREXIN A IN RATS. DM Makina, IY Morina, AE Hramenkova, EA Aristakisyan, VVKuzik. Institute of Evolutionary Physiology and Biochemistry, St. Petersburg, Russia
- PSYCHOPHYSIOLOGICAL CORRELATES OF PRE- AND POST-SURGERY STRESS IN CARDIOSURGICAL PATIENTS. EA Levin, AN Savostyanov, VG Postnov, MKh Kadochnikova, OV Zhukova. Institute of Circulation Pathology, Institute of Physiology SB RAMS, Novosibirsk, Russia
- BEHAVIORAL CHANGES AND ALTERATION OF SKIN CONDUCTANCE IN RATS AFTER EXPOSURE TO CHRONIC SOCIAL STRESS. VM Lozova, OA Kovalenko, II Tubaltceva, DV Gorlov, VB Bogdanov, M Ju Makarcuk . Kyiv National Taras Shevchenko University, Kyiv, Ukraine
- NEUROPEPTIDE VASOPRESSIN HAS EFFECTIVE INFLUENCE ON POST-STROKE DEPRESSION. SG Belokoskova, SG Tsikunov. Pavlov Department of Physiology and Clinic of Neurology, Institute for Experimental Medicine RAMS, St. Petersburg, Russia

13.00-14.00 Lunch Break

14.00-15.30 Conference Lectures (CL, 30 min)

CL3. CONTEMPORARY APPROACH TO THE DIAGNOSTICS AND CORRECTION OF EMOTIONAL STRESS FOR CHILDREN WITH ATTENTION DEFICIENCY SYNDROME WITH HYPERACTIVITY. N Tolmacha, J Porozovs, J Vandans. Psychoneurophysiological and Bioregulation Centre, Riga Teacher Training and Educational Management Academy, Riga, Latvia

CL4. IMPACT OF INDIVIDUAL HOUSING ON EXPERIMENTAL BEHAVIOUR OF MALE MICE
SS Arndt, MC Laarakker, HA van Lith, FJ van der Staay, F Ohl. Division of Laboratory Animal Science, Faculty of Veterinary Medicine, Utrecht University, Utrecht, The Netherlands

CL5. HEAT SHOCK PROTEINS IN NEUROSCIENCE RESEARCH. YF Pastuhov. Institute of Evolutionary Physiology and Biochemistry RAS, St-Petersburg, Russia

15.30-15.45 Coffee-Break

15.45-18.00 Conference Symposia (S)

S6. CLINICAL ISSUES IN STRESS RESEARCH - PART II

Chairs: Nelli Tolmacha (Latvia), Juris Porozovs (Latvia), Viktor Klimenko (Russia)

- FEEDBACK SELF-REGULATION TO COPE WITH STRESS OF SPEECH ACTIVITY. ON Vovk, VM Klimenko. Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- INFLUENCE OF SEASONAL MOOD VARIATION ON THE POSTPARTUM DEPRESSION. SH Shim, Y Hwang-bo, HY Jung, MS Cho. College of Medicine, Soonchunhyang University, Cheonan Hospital, Cheonan, Korea
- THE ASSOCIATION GENE POLYMERISM OF RENIN ANGIOTENSIN SYSTEM AND BEHAVIOR. VA Shleptsova, MA Kulikova, MA Timofeeva, AG Tonevitsky. Faculty of Basic Medicine, Biological Faculty, Moscow State University, Institute of Sports and Physical Education, Moscow, Russia
- ASSOCIATION ANALYSIS OF MTHFR AND HTR1A GENES WITH SUICIDAL BEHAVIOR IN TWO DIFFERENT POPULATIONS OF BASHKORTOSTAN (RUSSIA). Z Khalilova, D Gaysina, A Kazantseva, E Khusnutdinova. Institute of Biochemistry and Genetics, Ufa, Russia
- THE RELATIONSHIP BETWEEN EXECUTIVE ATTENTION AND POLYMERISM 2756C/T MGLUR8 IN MALES. JV Shchegolkova, MA Timofeeva, NV Maluchenko. Moscow State University, Moscow, Russia
- DOPAMINERGIC SYSTEM GENES (*DAT1*, *DRD2*, *DRD4*) AND THEIR RELATION TO PERSONALITY TRAITS IN HEALTHY INDIVIDUALS. AV Kazantseva, DA Gaysina, EK Khusnutdinova. Institute of Biochemistry and Genetics, Ufa, Russia
- FEATURES OF ADAPTIVE RESPONSE TO FIRST INTERACTION WITH DOLPHINS AT HEALTHY CHILDREN 6-7-YEAR OLD. GV Manzhosova, MN Krivochtchapova, VA Ilyukhina, AS Batuev. Utrish Dolphinarium, St. Petersburg University, Institute of Human Brain RAS, St. Petersburg, Russia
- INTERACTION BETWEEN BEHAVIORAL PARAMETERS AND SKIN POTENTIALS IN ADULT RATS. OA Kovalenko, VM Lozova, DS Gorlov. Kyiv National Taras Shevchenko University, Kyiv, Ukraine

Day 4. Monday, May 19, 2008

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospekt, St-Petersburg, Russia

9.00-11.00 Conference Symposia (S)

S7. RECENT ADVANCES IN TRANSLATIONAL RESEARCH

Chairs: Roza Czabak-Garbacz (Poland), Allan Kalueff (USA)

- INHIBITION OF CARDIOPULMONARY CARDIAC REFLEX RESPONSES BY DIRECT STIMULATION OF PERIAQUEDUCTAL GRAY AND CUNEIFORMIS NUCLEUS IN RATS. F Netzer, JF Bernard, M Hamon, R Laguzzi, C Sevoz-Couche. INSERM UMR 677, Universite Pierre et Marie Curie, Site Pitie-Salpetriere, Paris, France
- INFLUENCE OF THE C1473G POLYMORPHISM IN TRYPTOPHAN HYDROXYLASE-2 GENE ON THE ENZYME ACTIVITY, INTERMALE AGGRESSION AND IMMOBILITY IN THE FORCED SWIM TEST IN MICE. DV Osipova, AV Kulikov. Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia
- ANALYSIS OF EXPRESSION AND DISTRIBUTION OF GLUCOCORTICOID RECEPTORS AND AVP NEURONS IN THE HYPOTHALAMIC PARAVENTRICULAR NUCLEUS. L Marques-Souza, CR Franci. University of Sao Paulo, Medicine School, Ribeiro Preto-SP, Brazil
- INFLUENCE OF THERMAL PRECONDITIONING ON ANTICONVULSIVE EFFECTS OF VALPROATE AND MEMANTINE. AA Yakimchuk, YuF Pastukhov, NA Frolova, Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg State University, St. Petersburg, Russia
- NOOTROPIC AND PEPTIDE DRUGS POSSESS METEOADAPTOGENIC PROPERTIES IN HEALTHY VOLUNTEERS. VP Ganapolsky, PD Shabanov. Military Medical Academy, St. Petersburg, Russia
- HYBRIDIZING ANIMAL MODELS IN NEUROBEHAVIORAL RESEARCH. JL LaPorte, AV Kalueff. National Institute of Mental Health, NIH, Bethesda, USA.
- ANTIDEPRESSANT LIKE EFFECT OF BIEBERSTEINIA MULTIFIDA DC. ROOT EXTRACT IN MICE. SH Khakpour, M Hadipour Jahromy, A Fotros. Research Centre of Medical Sciences, IRAN Islamic Azad University, Tehran Medical Branch, Tehran, Iran

11.00-11.15 Coffee-Break

11.15-13.00 Conference Symposia (S)

S8. COGNITIONS AND EMOTIONS

Chairs: Yuriy Pastuhov (Russia), Irina Ekimova (Russia)

- THREE WEEKS OF SOCIAL STRESS LEADS TO LONG-LASTING DEFICITS IN PRE-PULSE INHIBITION OF STARTLE RESPONSE IN INDIVIDUALLY, BUT NOT IN GROUP HOUSED MICE. B Adamcio, K. Radyushkin, U Havemann-Reinecke, H Ehrenreich. Division of Clinical Neuroscience, Max Planck Institute of Experimental Medicine; University of Goettingen, Goettingen, Germany
- EARLY ONTOGENY STRESS WITH CRF INVOLVEMENT MODULATES BEHAVIORAL RESPONSES IN ADULT RATS. AA Lebedev, AV Droblenkov, AV Lubimov, PD Shabanov. Pavlov Department of Physiology, Department of Pharmacology, Military Medical Academy, St. Petersburg, Russia
- APPLICATION OF BRAIN AND ABDOMINAL MRI IN MONITORING THE CONSEQUENCES OF DELAYED RECOGNITION OF WILSON'S DISEASE. D Kozic, M Svetel, I Petrovic, R Semnic, K Koprivsek, S Popovic, B Kozic, N Boskov. Institute of Oncology, Diagnostic Imaging Center, Sremska Kamenica, Institute of Neurology, Belgrade, VMR Center, Novi Sad, Institute of Cardiovascular Diseases, Sremska Kamenica, General Hospital Djordje Joanovic, Zrenjanin, Serbia
- BRAIN MECHANISMS OF BEHAVIORAL CONTROL IN SUBJECTS WITH DIFFERENT ANXIETY LEVELS: STOP-SIGNAL PARADIGM STUDY. AC Tsai, AN Savostyanov, M Liou, EA Levin, JD Lee, AV Yurganov, GG Knyazev. Institute of Statistical Science, Academia Sinica, Taipei, Taiwan. Institute of Physiology, SB RAMS, Novosibirsk, Russia
- MODIFYING EFFECT OF SEROTONIN TRANSPORTER GENE (5-HTTLPR) - BRAIN-DERIVED NEUROTROPHIC FACTOR GENE INTERACTIONS ON EMOTIONAL DISTRESS IN PARENTS OF PSYCHOTIC PATIENTS. TV Lezheiko, MV Alfimova, GI Korovaitseva, PE Yumatova, AN Barkhatova, VE Golimbet. Mental Health Research Center RAMS, Moscow, Russia
- THE INFLUENCE OF EMOTIONAL STRESS ON COGNITIVE PROCESS IN PRIMATES. TM Vorobyova, OG Berchenko. Institute of Neurology, Psychiatry and Narcology AMSU, Kharkov, Ukraine

13.00-14.00 Lunch Break

14.00-15.30 Conference Lectures (CL, 30 min)

CL6. PARTICIPATION OF GABA(A) RECEPTORS OF VENTROLATERAL PREOPTIC AREA IN REALIZATION OF THE SOMNOGENIC EFFECTS OF HEAT SHOCK PROTEIN 70. IV Ekimova. Institute of Evolutionary Physiology and Biochemistry RAS, St-Petersburg, Russia

CL7. CORTICOLIBERIN MRNA EXPRESSION IN HYPOTHALAMUS AND AMYGDALA AFTER GRADUAL ADMINISTRATION OF PSYCHOACTIVE DRUGS IN RATS. PD Shabanov, AA Lebedev. Military Medical Academy, Pavlov Department of Physiology, St. Petersburg, Russia

CL8. THE EVOLUTIONARY PECULIARITIES OF BRAIN FUNCTIONS DISTURBANCED NEUROPEPTIDES COMPENSATION AND POSSIBLE NEUROCHEMICAL MECHANISMS. TN Sollertinskaja, MV Shorochov. Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

15.30-15.45 Coffee-Break

15.45-18.00 Conference Symposia (S)

S9. TOWARDS INTEGRATIVE BIOLOGICAL PSYCHIATRY

Chairs: Petr Shabanov (Russia), Allan Kalueff (USA)

- **NEUROTOXIC LESION OF ROSTRAL PART OF THE RAT PERIRHINAL CORTEX BLOCKS STRESS-INDUCED BEHAVIORAL CHANGES.** B Schulz-Klaus. Animal Physiology Department, University of Tübingen, Tübingen, Germany
- **CENTRAL EFFECTS OF PYRIDOSTIGMINE TREATMENT IN CHRONICALLY STRESSED RAT.** L Barbier, I Lamproglou, M Diserbo, C Amourette, A Dessois, A Peinnequin, W Fauquette. Department of Radiobiology and Radiopathology, CRSSA, La Tronche, Anatole France, Le Kremlin Bicêtre, France
- **ROLE OF CHAPERONES 70 KDA IN PATHOGENESIS OF SEIZURES WITH DIFFERENT ETIOLOGY.** KA Khudik, LE Nitsinskaya, IV Guzhova, IV Ekimova, YuF Pastukhov. Institute of Evolutionary Physiology and Biochemistry RAS, Institute of Cytology RAS, St.-Petersburg, Russia
- **THE USE OF BENZODIAZEPINES IN THE EMERGENCY DEPARTMENT OF HEALTH CENTERS IN NORTHERN GREECE. A COMPARATIVE STUDY BETWEEN URBAN AND RURAL AREAS.** A Glystra, A Paganas, E Oikonomidou, N Roussakis, N Zervas, M Markopoulou, Z Sekeri. Primary Care Network, ELEGEIA, Psychiatric Hospital of Thessaloniki, Thessaloniki, Greece
- **CENTRAL CHOLINERGIC CORRELATES OF ANXIETY AFTER STIMULATION OF VENTROMEDIAL HYPOTHALAMUS IN RATS AND ZOOSOCIAL CONFLICTS.** AM Titkova, SV Utevska. Institute of Neurology, Psychiatry and Narcology AMSU, Kharkiv, Ukraine
- **LEFT-HEMISPHERIC LATERALIZATION: PSYCHOMETRIC STUDY.** IE Sekoyan. Yerevan State Medical University, Yerevan, Armenia
- **THE RELATIONSHIPS BETWEEN NEURONS CONTAINING DOPAMINE AND NITRIC OXIDE SYNTHASE IN THE DIENCEPHALON OF CYPRINID TELEOST.** EV Pushina, KA Karpenko. Institute of Marine Biology FEB RAS, Vladivostok, Russia
- **STRESS-INDUCED HEMISPHERIC DIFFERENCES IN PHOSPHOLIPID COMPOSITION IN RAT BRAIN SYNAPTOSOMES.** NYu Novoselova, NS Saponov, BA Reichardt. Institute of Evolutionary Physiology and Biochemistry RAS, Institute of Experimental Medicine RAMS, St. Petersburg, Russia

Day 5. Tuesday, May 20, 2008

Institute of Experimental Medicine, Conference Hall (2nd floor), 69/71, Kamennooostrovsky Prospekt, St-Petersburg, Russia

9.00-9.30 Conference Lecture (CL, 30 min)

CL9. THE PAVLOV DEPARTMENT OF PHYSIOLOGY: A SCIENTIFIC HISTORY. VM Klimenko, UP Golikov. Institute of Experimental Medicine RAMS, St. Petersburg, Russia

9.30-10.30 Plenary Lectures (PL, 30 min)

PL 7a. CLARIFYING THE ORIGIN OF BIOLOGICAL ABNORMALITIES IN PTSD THROUGH THE STUDY OF IDENTICAL TWINS DISCORDANT FOR COMBAT EXPOSURE. RK Pitman. Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA

PL 7b. ORIGIN OF PSYCHIATRIC SYMPTOMS IN POSTTRAUMATIC STRESS DISORDER: FINDINGS FROM MONOZYGOTIC TWINS DISCORDANT FOR COMBAT EXPOSURE. NB Lasko, MW Gilbertson, RK Pitman. VA Medical Center, Manchester, NH, USA; Harvard Medical School, Boston, MA, USA

10.30-11.00 Conference Lecture (CL, 30 min)

CL10. INTERLEUKIN-1 β AND LEARNING. OE Zubareva, EB Fedotova, AA Poliakova, AS Simbirtsev, VM Klimenko. Institute of Experimental Medicine RAMS, St. Petersburg, Russia

11.00-11.15 Coffee-Break

11.15-13.00 Conference Symposia (S)

S10. RECENT ADVANCES IN PSYCHOIMMUNOPHYSIOLOGY (Symposium and Round-Table discussion)

Chairs: Viktor Klimenko (Russia), Olga Zubareva (Russia)

- STRESS AND AUTOIMMUNE DISEASES OF CNS. IN Abdurasulova, MN Karpenko, Yu V Andreeva, Yu L Zhitnukhin, SG Tsykunov, VM Klimenko. Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- CALPAIN EXPRESSION IN CNS AND PERIPHERAL CELLS ASSOCIATED WITH EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS. MN Karpenko, IN Abdurasulova, VM Klimenko. Institute of Experimental Medicine RAMS, St. Petersburg, Russia
- EFFECT OF HEAT SHOCK PROTEIN 70 KDA ON BASIC CHARACTERISTICS OF BLOOD DURING THE ENDOGENOUS STRESS IN RATS. KV Lapshina, MN Maslova, IV Ekimova. Institute of Evolutionary Physiology and Biochemistry RAS, St.-Petersburg, Russia

13.00-13.30 Coffee-Break

13.30-14.15 CONFERENCE CLOSING CEREMONY

14.30-15.30 EDUCATIONAL TOUR: VISIT TO PAVLOV'S DEPARTMENT OF PHYSIOLOGY, TOWER OF SILENCE AND MONUMENT TO THE DOG



Our Forthcoming Events

- 12th "Stress and Behavior" Conference - 2nd ISBS congress (May 16-20, 2009, St. Petersburg, Russia)
- 2nd ISBS Summer School on behavioral genetics and neuroscience of stress (May 22-27, 2009, Riga, Latvia)

Conference Secretariat:

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