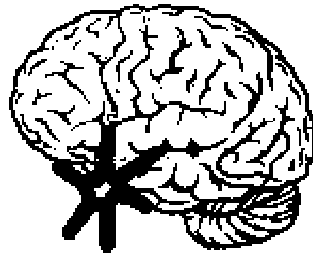


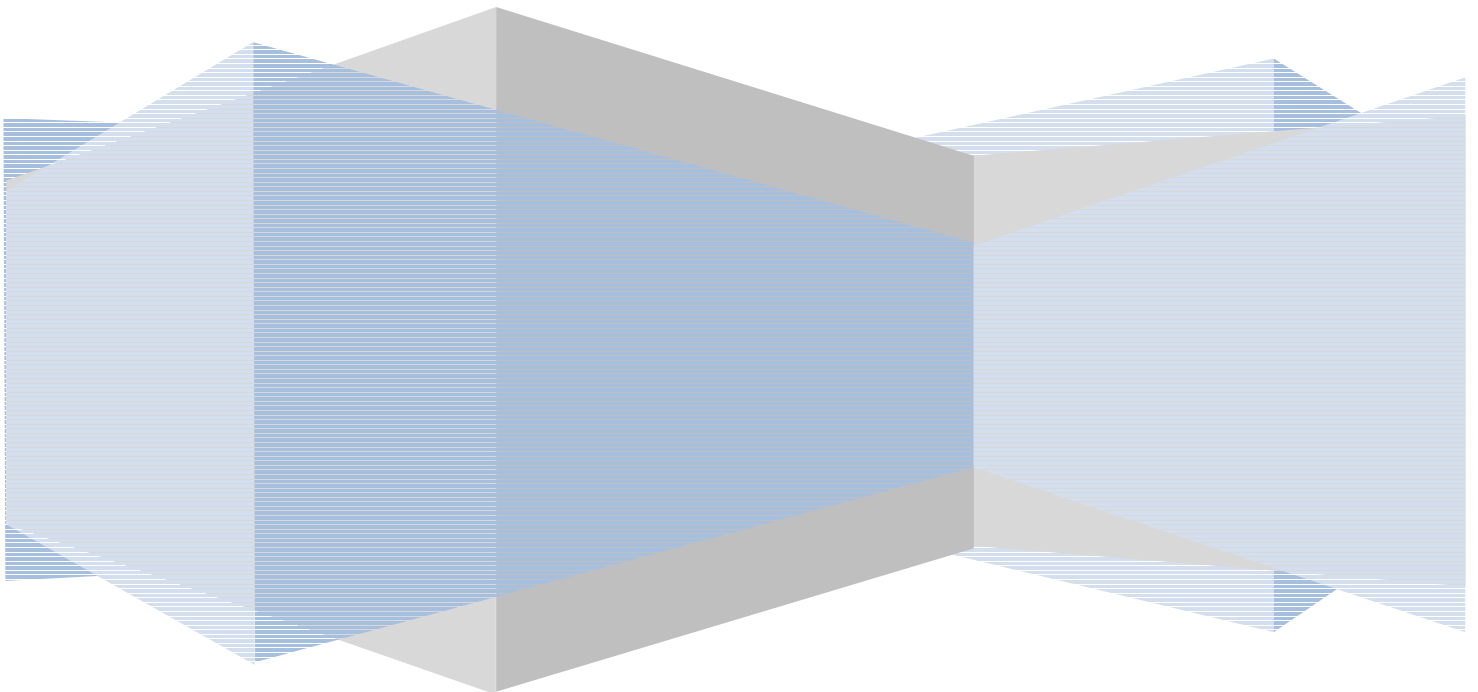
10-th Jubilee Multidisciplinary International Conference  
of Biological Psychiatry

# "Stress and Behavior"

St. Petersburg, Russia  
May 16-20, 2007



# CONFERENCE FINAL PROGRAM



# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

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Final Program of the 10-th Jubilee Multidisciplinary International  
Conference of Biological Psychiatry

# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

## Conference at glance

### Day 1. May 16, 2007

Time	Blue hall	Fireplace hall
8.00-18.00	Conference Registration (lobby, 5 <sup>th</sup> floor)	
9.00-9.40	Opening ceremony	Opening ceremony
9.40-11.00	Plenary lectures	Plenary lectures
11.00-11.20	Coffee Break	
11.20-13.00	Symposium 1. Experimental models of stress - I	Symposium 2. Clinical Psychiatry and Psychology - I
13.00-14.00	Lunch time	
14.00-16.00	Plenary lectures	Plenary lectures
16.00-16.20	Coffee Break	
16.20-18.00	Symposium 3. Clinical Psychiatry and Psychology - II	Symposium 4. Experimental models of stress - II
18.00-19.00	Welcoming Reception (cafeteria, 5 <sup>th</sup> floor)	

### Day 2. May 17, 2007

Time	Blue hall	Fireplace hall
9.00-18.00	Conference Registration (lobby, 5 <sup>th</sup> floor)	
9.00-9.40	RSBP and USBP Annual meetings	
9.40-11.00	Plenary lectures	Plenary lectures
11.00-11.20	Coffee Break	
11.20-13.00	Symposium 5. Clinical Psychiatry and Psychology - III	Symposium 6. Biofeedback treatment of stress- related symptoms
13.00-14.00	Lunch time	
14.00-15.00	Plenary lectures	Plenary lectures
15.00-15.20	Coffee Break	
15.20-18.00	Symposium 7. Clinical and Experimental Psychopharmacology	Symposium 8. S.A. Chepurnov's Memorial Symposium

**Final Program of the 10-th Jubilee Multidisciplinary International  
Conference of Biological Psychiatry**

# "Stress and Behavior"

**St-Petersburg, Russia**

**May 16-20, 2007**

## Conference at glance

### Day 3. May 18, 2007

Time	Blue hall	Fireplace hall
8.00-18.00	Conference Registration (lobby, 5 <sup>th</sup> floor)	
9.00-10.20	Plenary lectures	
10.20-10.40	Coffee Break	
10.40-13.00	Symposium 9. Translational research in stress neuroscience	Symposium 10. Experimental models of stress - III
13.00-14.00	Lunch time	
14.00-15.00	Plenary lectures	
15.00-15.20	Coffee Break	
15.20-17.00	Symposium 11. Why do we need models of stress disorders?	Symposium 12. Behavioral and biological markers in stress research

### Day 4. May 19, 2007

Time	IEM Conference Hall
9.00-14.00	Conference Registration (lobby)
9.00-10.30	Plenary lectures
10.30-11.00	Coffee Break
11.00-13.00	Special Plenary Symposium: Psychoneuroimmunology
13.00-16.00	Joint Poster Session and Coffee
16.00-17.00	Closing Ceremony

### Day 5. May 20, 2007

Time	Spa Center
18.00-22.00	Satellite Colloquium on Biological Psychiatry (pre-registration required)

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# **"Stress and Behavior"**

**St-Petersburg, Russia**

**May 16-20, 2007**

**Day 1. May 16, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

**8.00-18.00 Conference Registration (Lobby, 5<sup>th</sup> floor)**

**9.00-9.40 Conference Opening ceremony  
Blue and Fireplace Halls, 5<sup>th</sup> floor**

- Welcoming address  
Dr. Allan V. Kalueff, Conference Chair, USBP President
- Welcoming address  
Prof. Viktor M. Klimenko, Scientific Committee Chair
- Welcoming address  
Prof. Oleg G. Syropiatov, RSBP President
- Welcoming address  
Nataliya A. Zinevych, Conference Secretary General

Final Program of the 10-th Jubilee Multidisciplinary International  
Conference of Biological Psychiatry

# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

## PLENARY LECTURES

Day 1. May 16, 2007

Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10

### MORNING SESSION

9.40-11.00 PLENARY LECTURES (40 MIN)

Blue Hall, 5<sup>th</sup> floor

- **MISMATCH NEGATIVITY IN SCHIZOPHRENIA.** R Naatanen, Cognitive Brain Research Unit, Department of Psychology, University of Helsinki. Helsinki, Finland
- **NEUROKYNURENINES AND SOME DISTANT AFTER-EFFECTS OF STRESS.** IP Lapin, Bekhterev Psychoneurological Research Institute, St. Petersburg, Russia

Fireplace Hall, 5<sup>th</sup> floor

- **MITOCHONDRIAL ULTRASTRUCTURAL ABNORMALITIES AND DEFECTIVE NEUROTRANSMITTER-STORAGE BODIES IN PARKINSON'S DISEASE.** MR Issidorides, Dept. of Psychiatry, University of Athens, Medical School, Athens, Greece
- **INTEGRATIVE EXPERIMENTAL MODELLING OF ANXIETY, DEPRESSION AND RELATED BRAIN DISORDERS IN THE ERA OF PARADIGM SHIFTS IN CONTEMPORARY PSYCHIATRY.** AV Kalueff, Center for Physiology and Biochemical Research, Moscow, Russia, MD, USA

11.00-11.20 COFFEE-BREAK

# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

Day 1. May 16, 2007

Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10

## AFTERNOON SESSION

14.00-16.00 PLENARY LECTURES (40 MIN)

Blue Hall, 5<sup>th</sup> floor

- **SPECIAL LECTURE OF THE RUSSIAN SOCIETY FOR BIOPSYCHIATRY (RSBP): SEROTONIN SYSTEM GENES: WIDESPREAD DEVELOPMENTAL INFLUENCES ON ANXIETY, STRESS-RESPONSIVITY AND PSYCHOPATHOLOGY**
- **ADAPTIVE SELF-REGULATION STRATEGY FOR CORRECTION OF ADOLESCENT DEVIANT BEHAVIOR.** VM Klimenko, Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- **HYDROCEPHALY AT MEDICI COURT OF 16TH CENTURY'S FLORENCE.** G Fornaciari, M Castagna, University of Pisa, Pisa, Italy

Fireplace Hall, 5<sup>th</sup> floor

- **NEURODEGENERATION AND THE POSSIBLE WAYS OF ITS PREVENTION.** MI Aghajanov, Department of Biochemistry, Yerevan M. Heratsi State Medical University, Yerevan, Armenia
- **STRESS AND THE CEREBROPROTECTIVE EFFECTS OF CORTEXIN AND SELANK ON BRAIN DYSFUNCTIONS IN THE ASCENDING ROW OF MAMMALS.** TN Sollertinskaja, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- **PRESENTATION:** The Russian Society for Biopsychiatry, Ukrainian Society for Biological Psychiatry

16.00-16.20 COFFEE-BREAK

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# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

Day 2. May 17, 2007

Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10

## MORNING SESSION

9.00-18.00 Conference Registration (Lobby, 5<sup>th</sup> floor)

9.00-9.40 RSBP AND USBP ANNUAL MEETINGS

9.40-11.00 PLENARY LECTURES (40 MIN)

### Blue Hall, 5th floor

- **CHILD HYPERACTIVITY AND ATTENTION DEFICIENCY: MODERN APPROACH TO CORRECTIONAL DIAGNOSTICS.** N Tolmacha, Center of Psychoneurophysiological and Bioregulation Research, Riga, Latvia
- **STRESS IS NOT JUST IN YOUR MIND: THE ROLE OF A SYMPATHETIC NEUROTRANSMITTER, NEUROPEPTIDE Y.** Z Zukowska, Department of Physiology and Biophysics, Georgetown University, Washington DC, USA

### Fireplace Hall, 5th floor

- **PHENOMENOLOGY OF ADDICTIONS.** AY Egorov. IM Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg State University, St. Petersburg, Russia
- **ANTI-STRESS ACTIVITY OF GINSENOSE RB1.** Jun-tian Zhang, Institute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical University, Beijing, China

11.00-11.20 COFFEE-BREAK

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# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

Day 2. May 17, 2007

Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10

## AFTERNOON SESSION

14.00-15.00 PLENARY LECTURES (30 MIN)

### Blue Hall, 5th floor

- **COGNITIVE IMPAIRMENTS IN PTSD PATIENTS: A POSSIBLE VARIANT OF ADULT ADHD COMORBIDITY.** M Segal, Flugelman's Mental Health Medical Center, Acre, Israel
- **DIFFERENT INVOLVEMENT OF AMYGDALOID AND HYPOTHALAMIC CRF RECEPTORS IN THE REINFORCING EFFECTS OF HYPNOSEDATIVE AND PSYCHOSTIMULANT NARCOGENS IN RATS.** PD Shabanov, Department of Pharmacology, Military Medical Academy, St. Petersburg, Russia

### Fireplace Hall, 5th floor

- **PROTECTIVE PROPERTIES OF HEAT SHOCK PROTEINS: NEW IMPLICATIONS FOR SLEEP-WAKE BEHAVIOR, STRESS AND EPILEPSY.** YuF Pastukhov. Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- **HOW WE STARTED: A BRIEF HISTORY OF 10 NEUROSCIENCE AND BIOPSYCHIATRY CONFERENCES "STRESS AND BEHAVIOR"**  
Conference Organizing Committee

15.00-15.20 COFFEE-BREAK

**Final Program of the 10-th Jubilee Multidisciplinary International  
Conference of Biological Psychiatry**

# **"Stress and Behavior"**

**St-Petersburg, Russia**

**May 16-20, 2007**

**Day 3. May 18, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **MORNING SESSION**

**8.00-18.00 Conference Registration (Lobby, 5<sup>th</sup> floor)**

**9.00-10.20 PLENARY LECTURES (40 MIN)**

**Blue Hall, 5<sup>th</sup> floor**

- **CENTRAL NERVOUS SYSTEM DISORDERS AND DAMAGE: IMPLICATIONS FOR STRESS, ANXIETY, AND DEPRESSION.** PS Seibert, St. Alphonsus Regional Medical Center, Boise State University, Boise, ID, USA
- **EARLY EXPOSURE TO STRESS MODULATES THE RESPONSE TO STRESS IN THE ADULT RAT.** A Avital. Weizmann Institute of Science, Rehovot; The Max Stern Academic College of Yezreel Valley, Israel

**10.20-10.40 COFFEE-BREAK**

## **AFTERNOON SESSION**

**14.00-15.00 PLENARY LECTURES (30 MIN)**

**Blue Hall, 5<sup>th</sup> floor**

- **THE EVALUATION OF THE EFFECT OF AMITRIPTYLINE AND FLUOXETINE ON ANXIETY USING GROOMING ANALYSIS ALGORITHM IN RATS.** N Enginar, Istanbul University, Istanbul Faculty of Medicine, Department of Pharmacology and Clinical Pharmacology, Istanbul, Turkey
- **POST-TRAUMATIC STRESS DISORDER, DEPRESSIVE AND ANXIETY DISORDERS AMONG ADULT VICTIMS AFTER THE MARCH 11TH TERRORIST ATTACKS IN MADRID.** O Medina, Department of Psychiatry, Gregorio Maranon General Hospital, Madrid, Spain

**15.00-15.20 COFFEE-BREAK**

Final Program of the 10-th Jubilee Multidisciplinary International  
Conference of Biological Psychiatry

# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

**Day 4, May 19, 2007**

**Venue: IEM – Institute of Experimental Medicine RAMS  
69/71, Kamennostrovsky Prospect, St.-Petersburg**

## **MORNING SESSION**

**9.00-14.00 Conference Registration (Lobby of the IEM)**

**9.00-10.30 PLENARY LECTURES (30 MIN)**

## **Grand Conference Hall of IEM**

- **DOMAIN INTERPLAY CONCEPT IN BIOLOGICAL PSYCHIATRY.** AV Kalueff, Center for Physiology and Biochemical Research, Moscow, Russia, MD, USA
- **NEURODEGENERATION AND ITS CORRECTION IN DEMYELINATING AUTOIMMUNE DISEASES.** VM Klimenko, IA Abdurasulova, Institute of Experimental Medicine RAMS, St. Petersburg, Russia.
- **SPECIAL LECTURE OF THE UKRAINIAN SOCIETY FOR BIOLOGICAL PSYCHIATRY (USBP): RECENT ADVANCES IN SEROTONIN NEUROTOXIC SYNDROMES**

**10.30-11.00 COFFEE-BREAK**

Final Program of the 10-th Jubilee Multidisciplinary International  
Conference of Biological Psychiatry

# "Stress and Behavior"

St-Petersburg, Russia

May 16-20, 2007

## CONFERENCE SYMPOSIA

Day 1. May 16, 2007

Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10

### MORNING SESSION

11.00-11.20 COFFEE-BREAK

11.20-13.00 CONFERENCE SYMPOSIA (Presentations – 20 min)

Blue Hall, 5<sup>th</sup> floor

### Symposium 1. Experimental models of stress - I

Chairs: VM Klimenko, YuF Pastuhov

- STUDY OF EFFECTS OF THERMAL PRECONDITIONING AND QUERCETIN ON SEIZURE ACTIVITY AND CONTENT OF HEAT SHOCK PROTEIN 70 KDA IN BLOOD PLASMA IN WISTAR RATS. IV Ekimova, LE Nitsinskaya, IuF Pastukhov, IV Guzhova. Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, Institute of Cytology, RAS, St. Petersburg, Russia
- UPBRINGING BY THE FOSTER MOTHERS AS A RISK FACTOR OF DEVELOPMENT OF PSYCHOEMOTIONAL DISORDERS. TV Avaliani, NK Apraksina, OR Fedotova. Institute for experimental medicine RAMS, St. Petersburg, Russia
- ANTICONVULSANT EFFECTS OF PROTEIN 70kDa AND THERMAL PRECONDITIONING IN KRUSHINSKII-MOLODKINA RATS. KA Hudik, YuF Pastukhov. Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- EFFECT OF HEAT SHOCK PROTEIN 70 KDA ON THERMOREGULATORY CHARACTERISTICS DURING THE INTOXICATIONAL STRESS IN RATS AND PIGEONS. KV Lapshina, IV Ekimova. Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St.-Petersburg, Russia
- GENERAL DISCUSSION: VALIDITY OF ANIMAL MODELS - A 2007 PERSPECTIVE

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**St-Petersburg, Russia**

**May 16-20, 2007**

**Day 1. May 16, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **MORNING SESSION**

**11.00-11.20 COFFEE-BREAK**

**11.20-13.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Fireplace Hall, 5th floor**

## **Symposium 2. Clinical Psychiatry and Psychology - I**

**Chairs: M Issidorides, IP Lapin, AV Kalueff**

- AN ASSOCIATION ANALYSIS OF SOME CANDIDATE GENES OF SEROTONERGIC BRAIN SYSTEM IN MAJOR DEPRESSIVE DISORDER. TG Noskova, DA Gaysina, AR Asadullin, EK Khusnutdinova. Institute of Biochemistry and Genetics, Bashkir State Medical University, Ufa, Russia
- ASSOCIATION BETWEEN THE C939T POLYMORPHISM OF THE DOPAMINE RECEPTOR D2 GENE AND SCHIZOPHRENIA IN RUSSIAN POPULATION. MV Monakhov, VE Golimbet, KV Chubabria, VL Karpov. Engelhardt Institute of Molecular Biology RAS, Mental Health Research Center RAMS, Moscow, Russia
- INTELLIGENCE STRUCTURE DURING ADAPTATION TO INFORMATION STRESS IN UNIVERSITY STUDENTS. NA Kulakova, OM Razumnikova. Novosibirsk State Technical University, Novosibirsk, Russia
- DEMONSTRATION OF THE FORMATION OF LEWY BODIES FROM DISRUPTED NEUROTRANSMITTER- STORAGE ORGANELLES IN PARKINSONISM. M Chrysanthou-Piterou, P Spiliopoulos, I. Kloukina, MR Issidorides. Dept. of Psychiatry, University of Athens, Medical School, Eginition Hospital, Neurobiology Research Institute, Theodor Theohari Cozzika Foundation, Athens, Greece
- ROUND TABLE DISCUSSION: GENE X ENVIRONMENT INTERACTIONS IN NEUROPSYCHIATRIC DISORDERS

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**St-Petersburg, Russia**

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**Day 1. May 16, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **AFTERNOON SESSION**

**16.00-16.20 COFFEE-BREAK**

**16.20-18.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Blue Hall, 5th floor**

### **Symposium 3. Clinical Psychiatry and Psychology - II**

**Chairs: IV Ekimova, AV Kalueff**

- ANOMALIES OF AUDITORY ODDBALL N100 AND P300 AS THE MARKERS CLOSELY RELATED TO THE PATHOGENESIS OF SCHIZOPHRENIA. I Lebedeva, V Kaleda, A Barkhatova, M Streltsova. National Mental Health Research Center, Moscow, Russia
- INVOLUNTARY SELF-REGULATION BASED ON EEG-ACOUSTIC BIOFEEDBACK FOR CORRECTION OF BEHAVIOR AND IMPAIRMENTS ATTENTION FUNCTION OF CHILDREN WITH ADHS. VN Trushina, KV Konstantinov, VM Klimenko. Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- MICROELEMENTOSIS OF SCHOOL CHILDREN CAUSED BY CHRONICAL INFLUENCE OF CHEMICAL FACTORS OF ENVIRONMENT AND THEIR INFLUENCE ON PSYCHOSOMATIC HEALTH AND BEHAVIOR. LI Gubareva, GV Ermolenko, SP Popova, VV Potapenko. Department of Psychophysiology, State University, Stavropol, Russia
- CONTROL OF THE ROSTRAL ANTERIOR CINGULATE OVER ACTIVITY IN THE AMYGDALA: A NEUROBIOLOGICAL MODEL OF PANIC DISORDER TESTED BY LONGITUDINAL FMRI. N Chechko, M Czisch, A Erhardt, D Hohn, R Wehrle, PG Samann. Max Planck Institute of Psychiatry, Munich, Germany
- NEW PSYCHOTECHNIQUE FOR CORRECTING PERSONALITY, FEAR AND ANXIETY DISORDERS, AND DEVIATIONS. SR Sokolovsky, Department of Practical Psychology, Pyatigorsk Linguistic State University, Pyatigorsk, Russia

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**Day 1. May 16, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **AFTERNOON SESSION**

**16.00-16.20 COFFEE-BREAK**

**16.20-18.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Fireplace Hall, 5th floor**

### **Symposium 4. Experimental models of stress - II**

**Chairs: MI Aghajanov, TN Sollertinskaya, VM Klimenko**

- SOCIAL HIERARCHY DYNAMICS AND STRESS-INDUCED ALTERATIONS IN COMMUNICATIVE BEHAVIOR IN RATS DEPENDS ON THEIR SPONTANEOUS LOCOMOTOR ACTIVITY. AA Polyakova, VI Liudyno, OE Zubareva. Institute For Experimental Medicine RAMS, St. Petersburg, Russia
- MODIFICATIONS OF BEHAVIOR IN THE MICE SELECTED FOR THE HIGH PREDISPOSITION TO CATALEPSY. DV Bazovkina, EM Kondurova, AV Kulikov, NK Popova. Institute of Cytology and Genetics SBAS, Novosibirsk, Russia
- VULNERABILITY TO CHRONIC DEPRESSION IN HETEROZYGOUS SEROTONIN TRANSPORTER KNOCKOUT MICE AS A MODEL RELEVANT TO HUMAN GENETIC POLYMORPHISMS. AV Kalueff, Center for Physiology and Biochemical Research, Moscow, Russia, Bethesda, MD, USA
- OVER-EXPRESSED HUMAN AMYLOID PRECURSOR PROTEIN INHIBITS M-CHOLINERGIC RECEPTOR BINDING IN SH-SY5Y CELLS. R Can-Jun, S Wang, GH Du, L Sun. Institute of Basic Medical Sciences, Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China
- DESINTEGRATION OF BRAIN REGULATORY MECHANISMS UNDER ACUTE HYPOXIA. SI Soroko, SS Bekshaev, VP Rozhkov. Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- GENERAL DISCUSSION: MODELLING GENE X ENVIRONMENT INTERACTIONS IN ANIMAL MODELS OF BRAIN DISORDERS

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**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **MORNING SESSION**

**11.00-11.20 COFFEE-BREAK**

**11.20-13.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Blue Hall, 5th floor**

### **Symposium 5. Clinical Psychiatry and Psychology - III**

**Chairs: V.M. Klimenko, AV Kalueff, N. Tolmacha**

- **FRUSTRATION OF ADAPTATION AT MENTALLY SICK SENIOR AGE GROUPS DIRECTED ON COMPULSORY TREATMENT.** ER Kunafina. Faculty of Psychiatry and Narcology, Bashkir State Medical University, Ufa, Russia
- **EPIDEMIOLOGY OF MYOTONIC DYSTROPHY IN KRASNOYARSK.** LA Sviderskaya, EA Kozulina, N A Shnaider. Krasnoyarsk State Medical Academy, Krasnoyarsk, Russia
- **ANALYSIS OF BRAIN BIOELECTRICAL ACTIVITY AND BEHAVIOR CORRECTION OF HYPERACTIVE CHILDREN.** J Porozovs, N Tolmacha, J Vandans. Riga Teacher Training and Educational Management Academy, Psychoneurophysiological and Bioregulation Investigation Centre, Riga, Latvia
- **OCD AND PTSD: TWO CASE REPORTS.** Z Pires, M Lobo, S Mendes, S Fernandes. Hospital Nossa Senhora do Rosario, Barreiro, Portugal
- **CHANGES OF THE HEART RATE CONTROL DURING PUPIL'S EXAMINATIONS.** ES Gevorkyan, SM Minasyan, NN Ksadjikyan, AV Dayan, Tsl Adamyan. Yerevan State University, Yerevan, Armenia
- **SOURCES OF PATIENTS' STRESS: BEDSIDE CASE PRESENTATION.** S Omidvari, A Montazeri, AM Harirchi, H Soori. Iranian Institute for Health Sciences Research, University of Social Welfare and Rehabilitation Sciences, Beheshti University of Medical Sciences, Tehran, Iran

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**MORNING SESSION**

**11.00-11.20 COFFEE-BREAK**

**11.20-13.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Fireplace Hall, 5th floor**

**Symposium 6. PSYCHOPHYSIOLOGICAL APPROACHES TO  
MONITORING AND BIOFEEDBACK TREATMENT OF STRESS-  
RELATED SYMPTOMS**

**Chairs: E. Lyskov, B. von Scheele**

- WHAT DOES RESPIRATORY SINUS ARRHYTHMIA PATTERNS TELL US?  
B von Scheele. PBM Stress Medicine AB, Sweden
- MONITORING OF STRESS RELATED PHYSIOLOGICAL PROCESSES IN  
AMBULANCE PERSONNEL. E Lyskov. Centre for Musculoskeletal Research,  
University of Gavle, Gavle, Sweden.
- PLANS FOR BALTIC SOCIETY FOR INTEGRATED PSYCHOPHYSIOLOGY.  
B von Scheele. PBM Stress Medicine AB, Sweden
- ROUND TABLE DISCUSSION: BIOFEEDBACK IN STRESS RESEARCH

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# **"Stress and Behavior"**

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**Day 2. May 17, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **AFTERNOON SESSION**

**15.00-15.20 COFFEE-BREAK**

**15.20-18.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Blue Hall, 5th floor**

## **Symposium 7. Clinical and Experimental Psychopharmacology**

**Chair: PD Shabanov, VM Klimenko**

- PHARMACOLOGICAL STUDIES ON A TIBETAN HERBAL MEDICINE AGAINST DEMENTIA. JT Zhang J, LY Zhang, JG Shi. Institute of Materia Medica, CAMS, Beijing, China
- SALVIANOLIC ACID B, A NEW TYPE OF ANTI-DEMENTIA AGENT. Zhi-wei Qu, Ming-ke Tang, Wen-jie Zhao, Jun-tian Zhang, Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical University, Beijing, China
- PHARMACOLOGICAL CORRECTION OF POSTTRAUMATIC AND POST-WITHDRAWAL DISORDERS BY METABOLIC ACTIVATORS. IV Zarubina, TV Pavlova, PD Shabanov. Department of Pharmacology, Military Medical Academy, St. Petersburg, Russia
- BACOPA MONNIERA MASKS AMNESIC EFFECTS OF NO SYNTHASE INHIBITOR INDEPENDENT OF NMDA MEDIATED LTP INDUCTION IN MICE. A Anand, MK Saraf, S Prabhakar. Department of Neurology, Post-graduate Institute of Medical Education and Research, Chandigarh, India
- EMOTIONAL STATUS AND PECULIARITIES OF THE BEHAVIOR IN RAT FROM MOTHERS TREATED WITH CADMIUM SULFIDE. L Gubareva, H Agarkova. Department of Psychophysiology, State University, Stavropol, Russia
- GENERAL DISCUSSION: RESEARCH STRATEGIES IN MODERN PSYCHOPHARMACOLOGY

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**May 16-20, 2007**

**Day 2. May 17, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

**AFTERNOON SESSION**

**15.00-15.20 COFFEE-BREAK**

**15.20-18.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Fireplace Hall, 5th floor**

**Symposium 8. S.A. Chepurnov's Memorial Symposium on  
Psychoneuroendocrinology and Biochemistry of Stress**

**Chairs: YuF Pastuhov, VM Klimenko, AV Kalueff, SG Tsikunov**

- IN MEMORIAM: PROFESSOR SERGEI A. CHEPURNOV (1936-2007)
- THE INFLUENCE OF THE MENTAL TRAUMA ON THE BEHAVIOR AND LIPID METABOLISM IN FEMALE RATS. SG Tsikunov, AG Pshenichnaya, AG Kusov, NN Klyueva. Institute for Experimental Medicine RAMS, St. Petersburg, Russia
- PSYCHONEUROENDOCRINE PECULIARITIES OF PRISONERS CONVICTED ACCORDING ARTICLE 158 CRIMINAL CODE OF RUSSIAN FEDERATION. EV Buhantseva, LI Gubareva. Department of Psychophysiology, State University, Stavropol, Russia
- ECTOPIC GROWTH-HORMONE SECRETING PITUITARY ADENOMA: POTENTIAL ROLE OF MULTIVOXEL MR SPECTROSCOPY. D Kozic, M Medic Stojanoska, J Ostojic, L Popovic, N Vuckovic. Institute of Oncology, Diagnostic Imaging Center, Sremska Kamenica; Clinic of Endocrinology and Metabolic Disorders; Clinic of Neurosurgery, Clinical Center of Voivodina; Department of Pathology, University of Novi Sad, Faculty of Medicine, Novi Sad, Serbia
- FROM BIOCHEMISTRY TO BEHAVIOR: PROBLEMS WITH CURRENT TRANSLATIONAL RESEARCH. AV Kalueff, Center for Physiology and Biochemical Research, Moscow, Russia, Bethesda, MD, USA
- GENERAL DISCUSSION

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# **"Stress and Behavior"**

**St-Petersburg, Russia**

**May 16-20, 2007**

**Day 3. May 18, 2007**

**Venue: Oktyabrskaya Hotel, Ligovsky Prospect, 10**

## **MORNING SESSION**

**10.20-10.40 COFFEE-BREAK**

**10.40-13.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Blue Hall, 5<sup>th</sup> floor**

## **Symposium 9. Translational research in stress neuroscience and biological psychiatry**

**Chairs: VM Klimenko, IV Ekimova**

- CHANGES IN THE BASIC PARAMETERS OF THE NEURONAL ACTIVITY OF THE MEDIAL SEPTAL COMPLEX IN THE BRAIN OF ANIMALS WITH A MODEL OF TEMPORAL LOBE EPILEPSY. AE Malkov, IYu Popova, Institute of Theoretical and Experimental Biophysics RAS, Pushchino, Russia
- TENOTEN AMELIORATES MEMORY IMPAIRMENTS AND IMPROVE IMPULSIVE AND INADEQUATE BEHAVIOR OF IMMATURE RATS IN EXPERIMENTAL MODEL OF ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD). TA Voronina, AV Volkova, ES Zhavbert, IA Kheyfets, JL Dugina, SA Sergeeva, OI Epstein. Materia Medica Holding, State Zakusov Institute of Pharmacology, Moscow, Russia
- THE ROLE OF SEROTONINERGIC BRAIN STRUCTURES IN NEUROTENSIN INFLUENCE MECHANISM ON DEFENSIVE BEHAVIOR IN RATS. NP Shugalev, AV Stavrovskaja, S Olshanskij, G Hartmann, L Lenard. State Research Center of Neurology RAMS, Moscow, Russia; Institute of Physiology, Pecs University, Pecs, Hungary
- EXPOSURE TO ELECTROMAGNETIC FIELDS AND DEPRESSION. F Partovi Rad, M Sattari. Iran Water and Power Resources Development Co, Tehran, Iran
- REACTIONS OF NEURONS OF THE NUCLEUS TRACTUS SOLITARIUS TO CHRONIC VIBRATION. SH Sarkisyan, SM Minasyan, ML Yeghazaryan, AM Haroutyunyan. Yerevan State University, Yerevan, Vanadzor State Pedagogical Institute, Vanadzor, Armenia

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## MORNING SESSION

10.20-10.40 COFFEE-BREAK

10.40-13.00 CONFERENCE SYMPOSIA (Presentations – 20 min)

Fireplace Hall, 5<sup>th</sup> floor

## Symposium 10. Experimental models of stress - III

Chair: AV Kalueff

- EFFECT OF THERMAL PRECONDITIONING ON ANXIETY-RELATED BEHAVIOR IN RATS SUBJECTED TO ACUTE STRESS. MV Chernyshev, OA Sapach. Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- FEEDING INDUCED THROUGH MILD STRESS IN THE RAT. E-M Kim, E O'Hare. University of Ulster, Coleraine, Queens University, Belfast, Northern Ireland, UK
- THE EFFECTS OF QUERCETIN ON BEHAVIORAL PARAMETERS OF STRESSED RATS IN THE SUOK-TEST. I Tubaltseva, V Lozova, E Tukalenko, M Makarchuk. Kyiv National Taras Shevchenko University, Kyiv, Ukraine
- THE DEVELOPING UTILITY OF THE SUOK TEST IN ANXIETY PHARMACOLOGY AND BEHAVIORAL RESEARCH. AV Kalueff, A Minasyan, T Keisala, Y-R Lou, P Tuohimaa. University of Tampere and Tampere University Hospital, Tampere, Finland
- GENERAL DISCUSSION

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## **AFTERNOON SESSION**

**15.00-15.20 COFFEE-BREAK**

**15.20-17.00 CONFERENCE SYMPOSIA (Presentations – 20 min)**

**Blue Hall, 5<sup>th</sup> floor**

### **Symposium 11. Why do we need models of stress disorders?**

**Chair: VM Klimenko**

- EGIS-11150/S 36549: A NEW ANTIPSYCHOTIC AGENT WITH PROCOGNITIVE EFFICACY. H Kompagne, Sz Kertesz, LG Harsing, Gy Levay, I Gacsalyi. EGIS Pharmaceuticals Ltd, Division of Preclinical Research, Budapest, Hungary
- THE EFFECT OF I.C.V MICROINJECTION OF PEGANUM HARMALA SEEDS EXTRACT ON THE APPEARANCE OF FEAR BEHAVIOR IN ADULT MALE RATS. Gh Vaezi, L Etemadi, M Sabzali, Islamic Azad University, Damghan branch, Biology Department, Azad, Iran
- TREATMENT OF RATS WITH INTERLEUKINE-1B AT PERINATAL PERIOD RESULTS IN LONG-TERM DISTURBANCES OF COGNITIVE FUNCTIONS, WHICH ARE MORE EVIDENTIAL UNDER STRESS CONDITIONS. EB Fedotova, OE Zubareva, AS Simbirtsev, VM Klimenko. Institute of Experimental Medicine RAMS, Acmeological Institute, State Company of High Pure Preparations, St. Petersburg, Russia
- DO EARLIER DIAGNOSIS OF CANCER AND EARLIER STRESSFUL EVENTS INFLUENCE WOMEN'S STATE OF DISTRESS IN CANCER-RELATED SITUATION? B Korovljević, N Boskov. Zrenjanin Hospital, Zrenjanin, Serbia
- GENERAL DISCUSSION: DO WE NEED MODELS OF STRESS DISORDERS?

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## AFTERNOON SESSION

15.00-15.20 COFFEE-BREAK

15.20-18.00 CONFERENCE SYMPOSIA (Presentations – 20 min)

### Symposium 12. Behavioral and biological markers in stress research

Chair: AV Kalueff

- ABERRANT BEHAVIORS, UNALTERED SENSORY, COGNITIVE FUNCTIONS AND HEDONIC RESPONSES IN VITAMIN D RECEPTOR MUTANT MICE. A Minasyan, T Keisala, Y-R Lou, AV Kalueff, P Tuohimaa. University of Tampere and Tampere University Hospital, Tampere, Finland
- SERUM LEPTIN LEVEL IN DEPRESSION. S Mehrmofakham, M Sattari, H Darbandi. Shaheed Beheshti University of Medical Sciences, Tehran, Iran
- NONLETHAL DOSES OF IONIZING RADIATION EFFECTS UPON INSTRUMENTAL BEHAVIOR OF RATS. EV Tukalenko, VV Varetsky, AG Rakochi, MJU Makarchuk, IR Dmitrieva. Scientific Center for Radiation Medicine AMSU, Kyiv National Shevchenko University, Kyiv, Ukraine
- CASPASE INHIBITORS PREVENT ISCHEMIC STRESS-INDUCED DECREMENTS IN LEARNING AND MEMORY IN GERBILS. T Himi, Musashino University, Tokyo, Japan
- GENERAL DISCUSSION

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**Day 4. May 19, 2007**

**Venue: IEM RAMS – Institute of Experimental Medicine  
RAMS, 69/71, Kamennooostrovsky Prospect**

## **MORNING SESSION**

**9.00-14.00 Conference Registration (Lobby of the IEM)**

**10.30-11.00 COFFEE-BREAK**

**11.00-13.00 CONFERENCE SYMPOSIUM (Presentations - 20 min)**

## **Special Plenary Symposium: Psychoneuroimmunology**

**Chairs: VM Klimenko, SG Tsikunov, AV Kalueff**

- **OPENING CEREMONY**
- **WELCOMING ADDRESS FROM THE DIRECTOR OF IEM**
- **PRESENTATIONS**
  
- **INTRODUCTORY REMARKS:** VM Klimenko, Institute of Experimental Medicine RAMS, St. Petersburg, Russia
  
- **OPTIMIZATION OF ANTIPSYCHOTIC THERAPY BY ADJUVANT AGENTS.** NP Dzhuga, VL Koslovskiy. Department of Clinical and Experimental Psychopharmacology, Bechterev Psycho-Neurology Institute, St. Petersburg, Russia
  
- **HUMAN BRAIN TUMORS: MULTIDRUG-RESISTANCE P-GLYCOPROTEIN EXPRESSION IN TUMOR CELLS AND INTRATUMORAL CAPILLARY ENDOTHELIAL CELLS.** S Fattori, F Becherini, M Cianfriglia, G Parenti, A Romanini, M Castagna. Pathological Anatomy III, Department of Surgery, Department of Neurosurgery, University of Pisa, Pisa; Department of Drug Research and Evaluation, Istituto Superiore di Sanita, Rome; Division of Medical Oncology and Plastic Surgery, University Hospital, Pisa, Italy

# "Stress and Behavior"

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- FUNCTIONAL RESERVES AND REACTIVITY OF BLOOD LEUKOCYTES DURING OXIDATIVE STRESS INDUCED BY INTOXICATION BY NITROGEN-CONTAINING SUBSTANCES. EM Tsoy, RI Kovalenko, AA Petenkova. Department of General Physiology, St. Petersburg State University, St. Petersburg, Russia
- NEUROPEPTIDES AND INDUCTION OF NEUTROPHIL DEATH. B Khajehnoori, M Sattari, S Mehrmofakham, H Darbandi, S Taheri. Shaheed Beheshti University of Medical Sciences, Tehran, Iran
- NEUROPEPTIDES AND INFLAMMATION IN GINGIVA. M Sattari, S Mehrmofakham, H Darbandi. Shaheed Beheshti University of Medical Sciences, Tehran, Iran
- GENERAL DISCUSSION: BRAIN-IMMUNE and BEHAVIORAL INTERACTIONS

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## **13.00-16.00 JOINT POSTER SESSION AND COFFEE**

- **EVENT-RELATED POTENTIALS, STRESS AND ANXIETY ASSESSMENT IN PEOPLE COMPLAINING ABOUT IDIOPATHIC ENVIRONMENTAL INTOLERANCE (IEI) ATTRIBUTED TO ELECTROMAGNETIC FIELDS: A COMPARISON WITH CONTROLS MATCHED FOR AGE AND GENDER.** M Crasson, P Papart, S Nevelsteen, M Anseau, J-J Legros. Belgian BioElectroMagnetic Group, Psychoneuroendocrinology Unit, Department of Psychiatry, University of Liege, Liege, Belgium
- **COCAINE-INDUCED IMPAIRMENT OF LTP IN RAT DENTATE GYRUS AND INVOLVEMENT OF CORTICOSTERONE AND GLUCOCORTICOID RECEPTORS.** M Grzegorzewska, G Hess. Institute of Pharmacology PAN, Krakow, Poland
- **MONOAMINERGIC CORRELATES OF ANXIETY STATE AFTER CRONIC STRESS IMPACT IN RATS.** AM Titkova, SV Utevskaia. Institute of Neurology, Psychiatry and Narcology of AMS of Ukraine, Kharkiv, Ukraine
- **GENDER DIFFERENCES OF CYTOCHROME OXIDASE REACTIVITY IN THE HIPPOCAMPUS OF TOTAL SLEEP DEPRIVED RATS.** Hung-Ming Chang and Chyn-Tair Lan. Chung Shan Medical University, Taichung, Taiwan
- **CHRONIC CORTICOSTERONE-INDUCED INCREASE IN THE RESPONSIVENESS OF RAT HIPPOCAMPAL CIRCUITRY TO THE ACTIVATION OF 5-HT<sub>7</sub> RECEPTOR IS REVERSED BY IMIPRAMINE.** P Pitra, G Hess. Institute of Pharmacology PAN, Krakow, Poland
- **AFFECTIVE DISORDERS IN THE STRUCTURE OF MENTAL DISORDERS IN EPILEPSY: CLINICAL AND REHABILITATION ASPECTS.** TV Kazennykh. Mental Health Research Institute TSC SB RAMS, Tomsk, Russia

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- STRESS INDUCED BY HOUSING CONDITIONS AFFECTS VULNERABILITY TO DRUG RELAPSE IN MICE. MA Aguilar, J Lluch J, M Rodriguez-Arias, J Minarro. Psychobiology of Drug Dependence Research Unit, Department of Psychobiology, Faculty of Psychology, University of Valencia, Spain
- EVALUATION OF ATTENTION LEVEL AND COGNITIVE DISFUNCTION IN PATIENTS WITH VALVULAR DISEASE OF THE HEART. AN Savostyanov, VG Postnov, MKh Kadochnikova, OV Zhukova. State Research Institute of Blood Circulation Pathology, State Research Institute of Physiology SB RASM, Novosibirsk, Russia
- LOCALIZATION OF CEREBRAL ISCHEMIA AS A FACTOR OF POST-STROKE DEPRESSION (PILOT STUDY) S Draca, D Kolar. Clinic Dr M.Zotovic, Belgrade, Serbia; Department of Psychiatry, McGill University, Montreal, Quebec, Canada
- LIFE STRESS EVALUATION WITH REGARDS TO SUICIDAL IDEATION AND FAMILY SUICIDE HISTORY IN RANDOM COHORT OF GENERAL POPULATION. ZhV Emyasheva, VA Rozanov. Odessa National Mechnikov University, Odessa, Ukraine

## **SCIENTIFIC TOURS**

**10.00-12.00, 12.00-14.00 VISITS TO PAVLOV'S DEPARTMENT OF  
PHYSIOLOGY, MEMORIAL OFFICE AND THE TOWER OF SILENCE**

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## **16.00-17.00 CONFERENCE CLOSING CEREMONY**

- CONCLUDING REMARKS
- CONFERENCE AWARDS
  
- Announcing International Stress and Behavior Society (ISBS)
- Announcing 11<sup>th</sup> "Stress and Behavior" Conference – 1<sup>st</sup> ISBS Congress (May 16-20, 2008, St. Petersburg, Russia)
- Announcing 1<sup>st</sup> ISBS Summer School on behavioral neuroscience (May 9-15, 2008, St. Petersburg, Russia)
- Announcing plans for 12<sup>th</sup> "Stress and Behavior" Conference – 2<sup>nd</sup> ISBS congress (May 16-20, 2009, St. Petersburg, Russia)
- Announcing plans for 2<sup>nd</sup> ISBS Summer School on behavioral neuroscience (May 22-27, 2009, Riga, Latvia)

**Day 5. May 20, 2007**

## **Satellite symposia (reservation required)**

18.00-20.00 Topic 1: Neurobiology of Hedonic Behaviors

20.00-22.00 Topic 2: Cognitions in Stress

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## Appendix I

### Instructions for preparing presentations

#### Oral presentations (May 16-19, 2007):

- Plenary lectures: 40 or 30 min (please see Program)
- Oral presentations: 20 min
- Please upload all your presentations in advance, on the day of your presentations:  
speakers of morning sessions – during registration (8.00-9.00)  
speakers of afternoon sessions – during lunch break (13.00-14.00)

#### Posters (May 19, 2007):

- Maximal poster size: 1 x 1 m
- Mounting materials will be provided by the Organizers
- Posters are on display all day (10.00-17.00)
- Posters are placed between 9.00-10.00, and removed after 17.00
- Presenters are to be at their posters from 13.00 to 16.00

#### Satellite symposium (May 20, 2007):

- Pre-registration is required
- To contribute to scientific discussion, registered participants are expected to prepare 5-min summary outlining three most challenging biopsychiatric problems in the fields of: i) hedonic behavior and ii) cognitions in stress.

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