

The International Stress and Behavior Society (ISBS)
Institute of Experimental Medicine
Institute of Translational Biomedicine, St. Petersburg University
The Russian Society for Biopsychiatry (RSBP)
The Ukrainian Society for Biological Psychiatry (USBP)

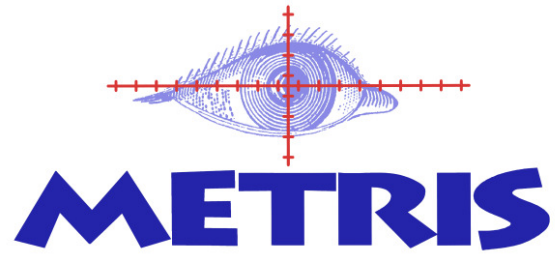
Program

26th Multidisciplinary International
Neuroscience and Biological Psychiatry Conference
“Stress and Behavior”



St. Petersburg, Russia
May 16-19, 2019

IN PARTNERSHIP WITH:



Санкт-Петербургский
государственный
университет
www.spbu.ru



WITH PLATFORM SUPPORT FROM:



CONFERENCE PROGRAM

Day 1. Thu, May 16, 2019

Venue: Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St. Petersburg, Russia

- 08.00-17.00 REGISTRATION DESK OPEN**
- 09.00-09.30 OPENING AND WELCOMING ADDRESSES**
Prof. AV Kalueff, ISBS President and Conference Chair
Prof. VM Klimenko, Program Committee Chair
- 09.30-12.45 ISBS FELLOWS SYMPOSIUM 1: ADVANCES IN TRANSLATIONAL BIOLOGICAL PSYCHIATRY.** Chairs: AV Kalueff (China, Russia, USA) and VM Klimenko (Russia)
- 09.30-10.00 USE OF AN ANIMAL MODEL TO IDENTIFY DIFFERENCES IN EXPECTATION OF VERSUS THE PRESENCE OF SHOCK: LEARNING DIFFERENCES OBSERVED IN PARTIAL REINFORCEMENT IN THE STUDY OF TEMPERAMENTAL VULNERABILITIES FOR PTSD AND ANXIETY DISORDERS.** DP Miller, Carthage College, Kenosha, WI, Stress and Motivated Behavior Institute, Newark, NJ, Central New York Research Corporation, Syracuse, NY, USA
- 10.00-10.30 PAVLOVIAN CONDITIONING APPLIED TO THE STUDY OF TEMPERAMENTAL VULNERABILITIES FOR PTSD AND ANXIETY DISORDERS.** MT Allen, University of Northern Colorado, Greeley, CO, Stress and Motivated Behavior Institute, Newark, NJ, Central New York Research Corporation, Syracuse, NY, USA
- 10.30-10.55 UNCOVERING NEURONAL FUNCTIONS OF TRACE AMINE-ASSOCIATED RECEPTOR 5 (TAAR5).** S Espinoza, I Sukhanov, EV Efimova, AA Kozlova, NS Merkulyeva, PE Musienko, P Illiano, D Leo, TD Sotnikova, RR Gainetdinov, Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia, Genova, Italy; Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia
- 10.55-11.20 DESIGNING AND IMPLEMENTING A RESILIENCE BUILDING COURSE IN MEDICAL STUDENTS OVER A SIX WEEK PERIOD.** JAK Erskine, St George's, University of London, London, UK
- 11.20-11.40 COFFEE BREAK**
- 11.40-12.05 STRESS AND PSYCHOLOGICAL TRAUMA IN THE INFORMATION SOCIETY: NEUROBIOLOGY, GENES EXPRESSION AND MENTAL HEALTH CONSEQUENCES.** VA Rozanov, St. Petersburg State University, St. Petersburg, Russia
- 12.05-12.25 STRESS FACTORS AND DECISION-MAKING IN HIGH-RISK INDUSTRY.** Ph Fauquet-Alekhine, SEBE-Lab, Department of Psychological & Behavioral Sciences, LSE, London, UK; Laboratory for Research in Science of Energy, Nuclear Power Plant of Chinon, Chinon, France
- 12.25-12.45 STRUCTURAL, MOLECULAR AND FUNCTIONAL NEUROIMAGING FEATURES OF ALPHA SYNUCLEINOPATHIES AND NON-ALZHEIMER TAUOPATHIES.** D Kozić, M Vuković, University of Novi Sad Faculty of Medicine, Novi Sad, Serbia
- 12.45-13.15 CONFERENCE PRESENTATION: SONOTRACK AUTOMATIC CALL CLASSIFICATION: HIGH-THROUGHPUT PHENOTYPING USING ULTRASONIC VOCALIZATIONS OF MICE.** R Bulthuis, L Bachdasarian and G Pivchenko, Metris B.V., Hoofddorp, Netherlands; University of Orel, Orel, Russia

- 13.15-13.35 ETHANOL COMPENSATES THE DECREASE OF SOCIAL INTERACTIONS IN RATS CAUSED BY LEVODOPA+CARBIDOPA.** EO Kutcher, AY Egorov and EV Filatova, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, Department of Psychiatry and Addictions, St. Petersburg State University, St. Petersburg, Russia.
- 13.35-14.30 LUNCH BREAK (FREE TIME)**
- 14.30-18.00 ISBS SYMPOSIUM 2: ZUKOWSKA STRESS NEUROSCIENCE SYMPOSIUM**
Chairs: VM Klimenko (Russia) and BH Harvey (South Africa)
- 14.30-14.40 INTRODUCTION: PROFESSOR ZOFIA ZUKOWSKA**
- 14.40-15.10 THE DEER MOUSE MODEL OF OBSESSIVE-COMPULSIVE DISORDER (OCD): A PLATFORM FOR RESEARCH IN NEUROBIOLOGY, BEHAVIOR AND DRUG DISCOVERY.** BH Harvey, Centre of Excellence for Pharmaceutical Sciences, School of Pharmacy, North-West University, Potchefstroom, North-West Province, South Africa
- 15.10-15.40 CHOLINERGIC, ADENOSINIC, AND PEPTIDE STIMULATION DECREASED DURATION OF COMA AND ITS MEMORY COMPLICATIONS AFTER ETHANOL EXPOSURE.** VV Afanasiev, DV Buzanov, AE Antushevich, IO Geraschenko and EL Pugacheva, Division of Emergency Medicine NW State Medical University, Medical Military Academy, Alexander City Hospital, Pavlov First Medical University, St. Petersburg, Russia
- 15.40-16.05 ALTERATIONS IN THE MRNA EXPRESSION OF D2 DOPAMINE RECEPTOR SPLICE VARIANTS AS POSSIBLE MECHANISM OF PREFRONTAL DYSFUNCTION AFTER EARLY-LIFE PROINFLAMMATORY EVENTS.** AP Schwarz, AN Trofimov, AYU Rotov, OI Chuprina, AM Ischenko, OE Zubareva and VM Klimenko, Institute of Experimental Medicine, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, Research Institute of Highly Pure Biopreparations, St. Petersburg, Russia
- 16.05-16.20 BLASTOCYSTIS IN MULTIPLE SCLEROSIS: ASSOCIATION WITH DISEASE SEVERITY AND IMMUNITY.** EA Tarasova, IN Abdurasulova, IV Kudryavtsev, MK Serebryakova, IG Nikiforova, AG Ilves, EV Ivashkova, ID Stolyarov and VM Klimenko, Institute of Experimental Medicine, Bechtereva Institute of Human Brain RAS, St. Petersburg, Russia
- 16.20-16.55 CONFERENCE PRESENTATION: CLOSING THE LOOP – INTEGRATING CALCIUM IMAGING, OPTOGENETICS AND BEHAVIORAL FEEDBACK IN A LIVE EXPERIMENT.** A Willemsen, Noldus IT, Wageningen, The Netherlands
- 16.55-17.10 THE DECREASE IN MOTOR ACTIVITY IN VARIOUS STAGES OF THE SLEEP-WAKE CYCLE MAY REFLECT THE INITIATION OF THE NEURODEGENERATION IN A MODEL OF A PRECLINICAL STAGE OF PARKINSON'S DISEASE IN RATS.** MA Guzeev, DV Belan, VV Simonova and YuF Pastukhov, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- 17.10-17.25 CHANGES OF WHOLE-GENOME DNA METHYLATION IN THE HYPOTHALAMUS AND THE BEHAVIORAL STATUS OF MALE RATS AFTER THE VITAL STRESS.** NK Apraksina, TV Avaliani, IO Suchkova, NI Dergacheva, EL Patkin and SG Tsikunov, Institute of Experimental Medicine, St. Petersburg, Russia
- 17.25-17.40 HSP70 INDUCER U133 PREVENTS THE DEVELOPMENT OF MOTOR DISTURBANCES, NEURODEGENERATION AND NEUROINFLAMMATION IN NIGROSTRIATAL SYSTEM IN THE MODEL OF PARKINSON'S DISEASE IN RATS.** DV Belan and IV Ekimova, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia
- 17.40-18.00 AUGMENTATION OF THE EVOKED PHASIC DOPAMINE RELEASE IN THE N. ACCUMBENS SHELL OF THE RAT BRAIN IS NOT ASSOCIATED WITH THE**

BASELINE DOPAMINE LEVEL. VN Mukhin, V Sizov, K Pavlov, I Borovets and VM Klimenko, Institute of Experimental Medicine, Pavlov Department of Physiology, St. Petersburg, Russia

18.00-18.30 SOCIAL EVENT 1: RECEPTION SPONSORED BY THE INSTITUTE OF TRANSLATIONAL MEDICINE OF ST. PETERSBURG STATE UNIVERSITY

18.30-19.30 SOCIAL EVENT 2: CLASSICAL MUSIC CONCERT

19.30-22.30 SOCIAL EVENT 3: BUS CITY TOUR (admissions)

Day 2. Fri, May 17, 2019

Venue: Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St. Petersburg, Russia

08.30-17.00 REGISTRATION DESK OPEN

09.00-09.30 ISBS SPECIAL LECTURE: NANO-ELECTROCHEMISTRY AND SINGLE CELL BIOLOGY. JE Dick, S Goines and MH Choudhury, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

09.30-12.15 SYMPOSIUM 3: LAPIN SYMPOSIUM ON PRECLINICAL NEUROSCIENCE
Chairs: PD Shabanov and VV Afanasiev (Russia)

09.30-09.40 INTRODUCTION: PROFESSOR IZYASLAV LAPIN

09.40-10.00 OREXIN A IS INVOLVED IN STRESS-INDUCED BEHAVIOR DUE TO SOCIAL ISOLATION AND PSYCHOTRAUMATIC EXPOSURE. IY Tissen, AA Lebedev, SG Tsikunov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

10.00-10.20 INFLUENCE OF CITOFILAVIN™ ON THE ANXIODEPRESSIVE BEHAVIOR OF RATS BY STREPTOZOCINE-INDUCED DIABETES. SB Kazakova, TN Savateeva-Lyubimova, KV Sivak and NN Kuzmich, Smorodintsev Research Institute of Influenza, WHO National Influenza Centre of Russia, St. Petersburg, Russia

10.20-10.35 IDENTIFYING THE FUNCTIONAL ROLE OF TRACE AMINE-ASSOCIATED RECEPTOR 2 (TAAR2) IN BEHAVIOR, PHYSIOLOGY AND BRAIN NEUROCHEMISTRY. SR Kuvarzin, EV Efimova, AA Kozlova, EA Budygin and RR Gainetdinov, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia; Wake Forest University School of Medicine, Winston-Salem, NC, USA

10.35-10.50 BEHAVIORAL AND NEUROCHEMICAL CHANGES IN ABSENCE OF TRACE AMINE-ASSOCIATED RECEPTOR 6 (TAAR6) IN MICE. EV Efimova, EI Leonova, SR Kuvarzin, NV Katolikova and RR Gainetdinov, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia

10.50-11.05 TWO RAT STRAINS DIFFERING IN CNS EXCITABILITY THRESHOLD AS A BEHAVIORAL MODEL OF STRESS RESPONSE AND ADAPTATION. AS Levina, NA Bondarenko, NV Shiryayeva, AI Vaido and NA Dyuzhikova, Pavlov Institute of Physiology RAS, St. Petersburg, OpenScience Ltd., Moscow, Russia

11.05-11.20 THE ROLE OF ADJUNCTIVE BEHAVIOR IN THE OPERANT SCHEDULE OF REINFORCEMENT "FIXED INTERVAL". AA Savchenko, AN Arefeva and IM

Sukhanov, Pavlov First St. Petersburg State Medical University, Valdman Institute of Pharmacology, St. Petersburg, Russia

11.20-11.40 CAUDALISED BRAIN ORGANOIDs FOR MODELLING HUMAN BRAIN DEVELOPMENT. SM Molchanova, M Cherepkova, Sh Abdurakhmanova, TP Taira, T Otonkoski and MM Bernalov, Stem Cells and Metabolism Research Program, University of Helsinki, Helsinki, Finland

11.40-12.00 COFFEE BREAK

12.00-12.15 KAINATE-TYPE OF GLUTAMATE RECEPTORS REGULATE DEVELOPMENT OF INTRINSIC GLUTAMATERGIC CONNECTIVITY IN THE AMYGDALA. M Ryazantseva, J Englund, A Shintyapina and SE Lauri, Molecular and Integrative Biosciences Research Program and Neuroscience Center, University of Helsinki, Finland; Institute of Cytology RAS, St. Petersburg, Russia

12.15-15.30 SYMPOSIUM 4: CLINICAL NEUROSCIENCE (I)
Chairs: VA Rozanov (Russia) and D Kozic (Serbia)

12.15-12.30 CRANIOFACIAL DYSMORPHOLOGY IN SCHIZOPHRENIA PATIENTS. B Srdic Galic, SS Babovic, S Zigic, S Lovrencic, Dj Siladji Mladenovic and Z Gajic, Department of Anatomy, Faculty of Medicine, University of Novi Sad, Emergency Center, Clinical Center of Vojvodina, Department of Psychiatry, Faculty of Medicine, University of Novi Sad, Novi Sad, Serbia

12.30-12.45 ON THE POSSIBLE FORMATION OF THE NEUROENDOCRINE MECHANISM OF CARDIOPROTECTION IN STRESSFUL CONDITIONS IN THE ELDERLY. VP Nesterov, AI Burdygin, KB Ivanov and SV Nesterov, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

12.45-13.00 COPING WITH ANTARCTICA DEMANDS: PSYCHOLOGICAL AND CHRONOBIOLOGICAL VARIATIONS OF CONSTANT DARKNESS, ISOLATION AND CONFINEMENT. C Tortello, M Barbarito, A Folgueira, V Crippa, JM Cuiuli, M Nicolas, DA Golombek, DE Vigo and SA Plano, Institute for Biomedical Research (UCA – CONICET), Argentine Army, Argentine Antarctic Institute, National University of Quilmes (UNQ), Quilmes, Argentina; University of Bourgogne Franche-Comté, Laboratory Psy-DREPI (EA 7458), Dijon, France

13.00-13.15 PILOT STUDY TO DETECT PARKINSON'S DISEASE BASED ON VOCAL ANALYSIS. Y Omiya, M Nakamura, S Shinohara, M Higuchi, T Takano, S Mitsuyoshi, H Terashi and S Tokuno, PST Inc., Kanagawa, Japan

13.15-13.30 EVALUATION OF EFFECT OF LIGHT LABOR ON RETIRED ELDERLY PEOPLE USING VOICE ANALYSIS. M Nakamura, M Ikeuchi, T Oroguchi, K Yamanaka, H Amagi, S Shinohara, Y Omiya, M Higuchi, T Takano, S Mitsuyoshi, S Tokuno, University of Tokyo, Tokyo, Tokai University, Social Welfare Corporation Shinko Fukushikai, Kanagawa Prefectural Government, PST inc., Kanagawa, Japan

13.30-14.30 LUNCH BREAK (FREE TIME)

SYMPOSIUM 4: CLINICAL NEUROSCIENCE (II)

14.30-14.45 MAJOR DEPRESSION AND LENGTH OF HOSPITALIZATION STAY IN TIRANA PSYCHIATRIC HOSPITAL. E Spaho, A Kodra, E Metaj and V Alikaj, Psychiatry Service, University Hospital Center "Mother Teresa", Tirana, Albania

14.45-15.00 GENERAL PRACTITIONER'S KNOWLEDGE ABOUT SCHIZOPHRENIA AND EARLY PSYCHOSIS – A STUDY CONDUCTED IN PRIMARY HEALTH CARE

ALBANIA. V Alikaj, E Metaj, E Dashi, E Spaho and V Skendi, Department of Neuroscience, Faculty of Medicine, Tirana Medical University, Albania

15.00-15.15 AUTONOMIC NERVOUS SYSTEM RESPONSES TO TV NEWS: THE ROLE OF VALENCE. SV Tukaiev, YD Havrylets and VV Rizun, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine

15.15-15.30 ASSOCIATION OF MONOAMINO OXIDASE B AND CHILDHOOD TRAUMA WITH POST-TRAUMATIC STRESS DISORDER. D Svob Strac, M Konjevod, L Tudor, G Nedic Erjavec, M Nikolac Perkovic, S Uzun, O Kozumplik and N Pivac, Rudjer Boskovic Institute, University Psychiatric Hospital Vrapce, Zagreb, Croatia

15.30-16.00 CONFERENCE PRESENTATION: STRESS AND THE INFLUENCE ON CIRCADIAN RHYTHM: INNOVATIVE METHODS AND TOOLS FOR IN-VIVO NEUROSCIENCE RESEARCH. I Distergoft, TSE Systems GmbH, Bad Homburg, Germany

16.00-16.15 COFFEE BREAK

16.15-16.35 STRESS-INDUCED ALCOHOL MISUSE: THE ROLE OF RISK-TAKING PERSONALITY. JM Clay and MO Parker, Brain and Behavior Laboratory, University of Portsmouth, Portsmouth, UK

16.35-18.30 CONFERENCE POSTER SESSION 1

THE THERAPEUTIC POTENTIAL OF DRUGS THAT TARGET CALPAIN FOR MANGANISM. IS Ivleva, AZ Marshak, TV Tyutyunnik, VA Maystrenko, MN Karpenko and VM Klimenko, Institute of Experimental Medicine, Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia

MULTIPLE EXPOSURES OF PREDATOR STRESS ENHANCE SERUM IL-1 CONTENT IN THE SERUM AND ALTER NEUROTRANSMITTER LEVEL IN THE RAT HIPPOCAMPUS AND MIDBRAIN. A Alliluev, M Karpenko, N Pestereva, M Komelkova, E Manukhina, HF Downey, O Tseilikman and V Tseilikman, South Ural State University, Chelyabinsk, Institute of Experimental Medicine, St. Petersburg, Institute of General Pathology and Pathophysiology, Moscow, Russia; Department of Physiology and Anatomy, University of North Texas Health Science Center, Fort Worth, TX, USA

BEHAVIORAL AND BIOLOGICAL IMPLICATIONS OF PRETERM BIRTH: A MOUSE MODEL. M Franko, GB David, R Doron and N Gueron-Sela, Zlotowsky Center for Neuroscience, Department of Psychology, Ben Gurion University of the Negev; Department of Education and Psychology, Open University of Israel, Raanana, Israel

1-DESAMINO-8-D-ARGININ-VASOPRESSIN INCREASES BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF) PLASMA LEVEL IN RATS AFTER VITAL STRESS. DU Krytskaya, SG Belokoskova, MN Karpenko and SG Tsikunov, Institute of Experimental Medicine, St. Petersburg, Russia

SERUM CYTOKINES LEVELS AS A RISK FACTOR FOR THE DEVELOPMENT OF PRONOUNCED TREMOR AT ESSENTIAL TREMOR. ZM Muruzheva, AA Ezhov, DS Traktirov, VA Maystrenko, IS Ivleva, MN Karpenko and VM Klimenko, Institute of Experimental Medicine, Peter the Great St. Petersburg Polytechnic University, Russia

EFFECT OF DOPAMINE ON CALPAIN SYSTEM. NS Pestereva, AZ Marshak, MN Karpenko and VM Klimenko, Institute of Experimental Medicine, Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia

CEPHALOSPORINES ENHANCE CONVULSIONS, INDUCED BY MAXIMAL ELECTROSHOCK, BUT NOT PENTYLENETETRAZOLE. IV Smolensky, UL Ergina, DV Amakhin, VV Lavrentyeva and AV Zaitsev, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

DYNAMICS OF GLUTAMATE RECEPTOR SUBUNIT GENES' EXPRESSION IN THE RAT BRAIN AFTER PENTYLENETETRAZOLE-INDUCED SEIZURES. AA Kovalenko, OE Zubareva, TY Postnikova and AV Zaitsev, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

EFFECTS OF PHOSPHODIESTERASE 10A INHIBITORS IN ANIMAL MODEL OF IMPULSIVE CHOICE. A Dorotenko, A Savchenko, A Bepalov, I Sukhanov, First St. Petersburg State Medical University, St. Petersburg, Russia

NEUROINFLAMMATION IN LIMBIC BRAIN STRUCTURES IN THE LITHIUM-PILOCARPINE MODEL OF EPILEPSY IN RATS. DS Vasilev, AP Shwarts, AA Kovalenko, OE Zubareva, NL Tumanova, SV Kalemenev and AV Zaitsev, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

BEHAVIORAL PHENOTYPING OF SHR AND WKY IN THE 2-CHOICE SERIAL REACTION TIME TASK. AN Arefeva, AA Savchenko and IM Sukhanov, Valdman Institute of Pharmacology, Pavlov First St. Petersburg State Medical University, St. Petersburg, Russia

THE POSSIBILITY OF USING COMBINED THERAPY FOR CORRECTION OF COMORBID DISTURBANCE OF BEHAVIOR IN RATS IN THE LITHIUM-PILOCARPINE MODEL OF EPILEPSY. AV Dyomina, IV Smolensky, AA Karepanov, SV Kalemenev, OE Zubareva and AV Zaitsev, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

HYPERACTIVATION OF STORE-OPERATED CALCIUM CHANNELS IN FAMILIAL ALZHEIMER'S DISEASE MODELS. KV Skobeleva, MA Ryazantseva, AA Goncharova and EV Kaznacheeva, Institute of Cytology RAS, Pavlov Institute of Physiology RAS, St. Petersburg, Russia; Helsinki University, Helsinki, Finland

PATIENT-SPECIFIC MODELS OF HUNTINGTON'S DISEASE: A PLATFORM FOR STUDYING NEURODEGENERATION AND DRUG SCREENING. VA Vigont, DA Grekhnev, AYu Skopin, SA Klyushnikov, MA Lagarkova and EV Kaznacheeva, Institute of Cytology RAS, St. Petersburg, Scientific Center for Neurology RAMS, Federal Research and Clinical Center of Physical-Chemical Medicine, Moscow, Russia

VOICE-BASED EVALUATION OF STRESS BY BODY IDENTIFICATION. M Higuchi, I Yamamoto, Y Omiya, M Nakamura, S Shinohara, T Takano, K Nakagawa, H Ohira, Y Yamada, I Hasegawa, S Mitsuyoshi and S Tokuno, University of Tokyo, Tokyo, Kanagawa Dental University, PST Inc., Kanagawa, Japan

OPTIMIZING THE LIGHT-DARK BOX MODEL FOR TESTING ZEBRAFISH STRESS-RELATED PHENOTYPES. J Wang, D Wang, M Wang, Z Tang, D Yan, N Serikuly, E Alpyshov, A Bekkozhin and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China

PUTATIVE MUSCARINIC MECHANISMS OF ACUTE ARECOLINE EFFECTS ON ADULT ZEBRAFISH. D Yan, J Wang, D Wang, M Wang, Z Tang, N Serikuly, E Alpyshov and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China

20.00-22.00 SOCIAL EVENT 4: CITY BOAT TRIP (admissions)

Day 3. Sat, May 18, 2019

Venue: Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St. Petersburg, Russia

09.00-17.00 REGISTRATION DESK OPEN

09.30-10.45 SYMPOSIUM 5. THE RUSSIAN SOCIETY OF PSYCHIATRISTS' SYMPOSIUM OF EARLY CAREER RESEARCHERS
Chair: AV Pavlichenko (Russia)

09.30-09.45 ADHERENCE TO TREATMENT IN OPIOID AND POLY ADDICTED PATIENTS WITH POSTTRAUMATIC STRESS DISORDER (PTSD). ZV Bereza and NN Petrova, Association of Health Care Organizations "Medical Center Bekhterev", St. Petersburg State University, St. Petersburg, Russia

09.45-10.00 NEGATIVE SYMPTOMS AS EPIPHENOMENON OF MENTAL DISORDERS: THE CONCEPTUALIZATION AND PATHOPHYSIOLOGICAL MECHANISMS. AV Pavlichenko and AI Yevdokimov, Moscow State University of Medicine and Dentistry, Moscow, Russia

10.00-10.15 PHARMACODYNAMIC GENETIC PREDICTORS OF BENZODIAZEPINE EFFECTIVENESS IN ALCOHOL WITHDRAWAL SYNDROME. DV Ivashchenko, AO Kibitov and DA Sychev, Russian Medical Academy of Continuous Professional Education, St. Petersburg, Russia

10.15-10.30 THE DYNAMICS OF COMPLEX BEHAVIORAL PHENOTYPE EVOKED IN ZEBRAFISH AFTER CHRONIC UNPREDICTABLE STRESS EXPOSURE. KA Demin, AM Lakstygal, N Tagawa, MV Chernysh, BS Achmiz and AV Kalueff, Institute of Experimental Medicine, Almazov National Medical Research Centre, Institute of

Translational Biomedicine, St. Petersburg State University, Russian Research Center of Radiology and Surgical Technologies, Ministry of Healthcare of Russian Federation, St. Petersburg, Novosibirsk State University, Research Institute of Basic Physiology and Medicine, Novosibirsk, Ural Federal University, Yekaterinburg, Russia; University of Tokyo, Tokyo, Japan; School of Pharmacy, Southwest University, Chongqing, China

10.30-10.45 **AMYLOID- β (25-35) SUPPRESSES PHASIC MESOLIMBIC DOPAMINE RELEASE IN THE RAT NUCLEUS ACCUMBENS CORE.** IR Borovets, VN Mukhin, VV Sizov, KI Pavlov and VM Klimenko, Institute of Experimental Medicine, Ivan P. Pavlov Department of Physiology, St. Petersburg, Russia

10.45-11.15 **CONFERENCE PRESENTATION:** Stoelting Co, USA

11.15-11.40 **COFFEE BREAK**

11.40-13.10 **SYMPOSIUM 6: NEUROMETABOLIC DISORDERS**

Chair: SA Apryatin (Russia)

11.40-11.55 **CAN GUT MICROBIOTA INFLUENCE PSYCHOEMOTIONAL DISORDERS IN MULTIPLE SCLEROSIS?** IN Abdurasulova, AV Matsulevich, EA Tarasova, IG Nikiforova, NV Baryshnikova, AE Tatarinov, MI Miroshnichenko, GN Bisaga, EV Ivashkova, AG Ilves, ID Stolyarov and VM Klimenko, Institute for Experimental Medicine, Bechtereva Institute of the Human Brain RAS, Almazov National Medical Research Center, St. Petersburg, Russia

11.55-12.10 **L-FUCOSE RESCUES BEHAVIORAL ABNORMALITIES UPON CHRONIC COLITIS IN MALE MICE.** MA Borisova, OA Snytnikova, EA Litvinova, KM Achasova, AV Pindyurin, YP Tsentalovich and EN Kozhevnikova, Institute of Cytology and Genetics SB RAS, Institute of Molecular and Cellular Biology SB RAS, International Tomography Center SB RAS, Novosibirsk State University, Novosibirsk, Russia

12.10-12.25 **MILD KETOGENIC DIET WITH MEDIUM-CHAIN (C8-C10) TRIGLYCERIDE SUPPLEMENTATION IMPROVES THE MEMORY IN RATS.** AN Trofimov, DU Krytskaya, AP Schwarz, KP Shcherbakova and VM Klimenko, Institute of Experimental Medicine, St. Petersburg, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia; Para Impacto Company, Tokyo, Japan

12.25-12.40 **THE ROLE OF MICROFLORA AND ITS METABOLISM IN REGULATION OF SOCIAL BEHAVIOR IN MOUSE MODELS OF INTESTINAL INFLAMMATION.** EN Kozhevnikova, MA Borisova, OA Snytnikova, EA Litvinova and YP Tsentalovich, State Scientific Research Institute of Physiology and Basic Medicine, Federal Research Center Institute of Cytology and Genetics SB RAS, International Tomography Center, SB RAS, Novosibirsk State University, Novosibirsk, Russia

12.40-12.55 **PHYSIOLOGICAL AND BIOCHEMICAL FEATURES OF RODENT KNOCKOUT LINES WITH GENETIC DOPAMINE REUPTAKE (DAT-KO) AND TRACE AMINES RECEPTION (TAAR1-KO) DISORDERS.** SA Apryatin, MN Karpenko, AN Trofimov, NS Pestereva, IS Ivleva, ZS Fesenko, SR Kuvarzin, RR Gainetdinov and VM Klimenko, Institute of Experimental Medicine, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia

12.55-13.10 **RESVERATROL AFFECTS NEUROMOTOR AND BEHAVIORAL FUNCTIONS OF DBA/2J MICE AND THE DBCB TETRAHYBRIDS WITH DIET-INDUCED OBESITY.** KV Mzhelskaya, NV Trusov, VA Shipelin, AA Shumakova, SA Apryatin and IV Gmoshinski, Federal Research Centre of Nutrition and Biotechnology, Plekhanov, Russian Economic University, Moscow, Russia

13.10-14.30 **LUNCH BREAK (FREE TIME)**

14.30-18.30 **CONFERENCE POSTER SESSION 2**

Part 1: Posters on display 14.30-16.00

ALBANIAN PUBLIC ATTITUDES TO MENTAL HEALTH-2015. A Hashorva (Tasho), Psychiatry Service, University Hospital "Mother Teresa", Tirana, Albania

A VOICE EMOTION ANALYSIS OF FEAR BASED ON LOGISTIC REGRESSION. W Xu, S Shinohara, D Harada, R Kuroki and S Mitsuyoshi, University of Tokyo, Renesas Electronics Corporation, Tokyo, Japan

VERIFICATION OF THE ABILITY TO IDENTIFY PARKINSON'S DISEASE PATIENTS USING LEARNING VECTOR QUANTIZATION. N Manome, S Shinohara, K Suzuki, K Tomonaga and S Mitsuyoshi, SoftBank Robotics Corp., Graduate School of Engineering, University of Tokyo, Tokyo, Japan

THE INFLUENCE OF L-CARNITINE ON BEHAVIORAL, INTEGRAL AND BIOCHEMICAL RESPONSES IN THE MOUSE MODEL OF ALIMENTARY-INDUCED OBESITY. NV Trusov, KV Mzhelskaya, VA Shipelin, SA Apryatin and IV Gmshinski, Federal Research Centre of Nutrition and Biotechnology, Plekhanov, Russian Economic University, Moscow, Russia

VIOLENT TV NEWS AND THEIR EFFECTS ON THE PSYCHOPHYSIOLOGICAL STATE: EMOTIONAL BURNOUT FACTOR. S Tukaiev, A Vasilchenko, Y Havrylets, V Rizun, I Zyma, M Makarchuk and Radchuk, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine

PRACTICING AMATEUR SPORTS PREVENTS THE DEVELOPMENT OF BURNOUT IN UNIVERSITY STUDENTS. S Tukaiev, O Dolgova, O Lysenko and S Fedorchuk, National University of Physical Education and Sports of Ukraine, Kyiv, Ukraine

EVALUATION OF NEUROPROTECTIVE EFFECTS OF ECHINOCHROME DERIVATIVE U-133 IN A MODEL OF A PRECLINICAL STAGE OF PARKINSONS DISEASE IN AGED RATS. MB Pazi and IV Ekimova, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, St. Petersburg, Russia

MENTAL HEALTH AND HEALTH-RELATED QUALITY OF LIFE OF HOME CAREGIVERS IN JAPAN. F Shaku, S Kotera and S Maruoka, Nihon University, Tokyo, Japan

THE EFFECT OF NEONATAL BACTERIAL ENDOTOXIN EXPOSURE ON STRESS-INDUCED CHANGES OF NMDA AND AMPA RECEPTORS GENES EXPRESSION IN THE RAT BRAIN. GV Beznin, VA Nikitina, MV Zakharova, AA Kovalenko, AP Schwarz, DU Krytskaya, SG Tsikunov and OE Zubareva, Institute for Experimental Medicine, Sechenov Institute for Evolutionary Physiology and Biochemistry RAS, St Petersburg, Russia

RELATIONSHIP OF SELF-HARMING BEHAVIOR WITH THE SYMPTOMS OF INTERNET ADDICTION, INTERNET GAMING DISORDER, NEUROTICISM, EXTRAVERSION AND ADHD. C Evren, Bakirkoy Training and Research Hospital for Psychiatry, Neurology and Neurosurgery, AMATEM, Istanbul, Turkey

THE MEASUREMENT OF PEPTIDE GHRELIN IN THE BRAIN OF ZEBRAFISH AFTER STRESS EXPOSURE AND PHENAZEPAM ADMINISTRATION. AA Blazhenko, SN Proshin, AS Devyashin, AA Lebedev, PP Khokhlov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

BEHAVIORAL EFFECTS OF PHENAZEPAM ON NOVELTY AND PREDATOR STRESS IN DANIO RERIO. AS Devyashin, AA Blazhenko, VA Lebedev, AA Lebedev, PP Khokhlov, ER Bychkov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

D₁ DOPAMINE RECEPTORS ANTAGONIST SCH23390 ABOLISHES BOTH SELF-STIMULATION AND OREXIGENIC EFFECTS DURING ELECTRICAL STIMULATION OF THE LATERAL HYPOTHALAMUS IN RATS. NS Efimov, YuN Bessolova, EA Vetlugin, ME Abrosimov, AR Moskaliyov, AA Lebedev, ER Bychkov, VA Lebedev and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

THE EXPRESSION OF GAMBLING ELEMENTS IN RATS DEPENDS ON THE CONTENT OF DESACYL-GHRELIN IN THE LIMBIC STRUCTURES AND THE ACTIVITY OF THE GHRELIN BRAIN RECEPTORS. KE Gramota, ND Yakushina, AA Lebedev, PP Khokhlov, IYu Tissen, ER Bychkov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

THE KARYOTYPIC STABILITY OF PERIPHERAL BLOOD MONONUCLEAR CELLS OF ACTIVE AND PASSIVE BURYING RATS IN THE MARBLE TEST. KE Gramota, ND Yakushina, GP Kosyakova, AA Lebedev, ER Bychkov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

DEVELOPING ZEBRAFISH MODELS FOR SCREENING POTENTIAL PSYCHOTROPIC ACTIVITY OF SELECTED CHINESE TRADITIONAL MEDICINE (CTM) HERBS. D Wang, J Wang, D Yan, M Wang, Z Tang, E Alpyshov, N Serikuly and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China

NEUROFILAMENTOPATHY AND OXIDATIVE STRESS - MARKERS OF DEMYELINATION IN MULTIPLE SCLEROSIS. DA Pavlović, I Stojanović, S Ljubisavljević, J Bašić, T Jevtović Stoimenov, T Cvetković and M Cvetković, Faculty of Medicine, University of Niš, Clinic of Neurology, Clinical Center Niš, Niš, Serbia

NEW HERBAL TREATMENT FOR DEPRESSION AND ANXIETY DISORDER WITH MINIMAL SIDE-EFFECTS INCREASE BDNF LEVELS IN THE HIPPOCAMPUS. R Doron, M Franko, R Toledano and S Armoza, Open University of Israel, Department of Education and Psychology, Raanana, Zlotowsky Center for Neuroscience, Department of Psychology, Ben Gurion University of the Negev, Tel-Aviv University, Department of Physiology and Pharmacology- Sackler Faculty of Medicine, Tel Aviv, Israel

Part 2: Posters on display 16.00-18.30

MACROENVIRONMENTAL STRESS AFFECTS ZEBRAFISH STRESS-RELATED PHENOTYPES. J Wang, D Wang, M Wang, Z Tang, D Yan, N Serikuly, E Alpyshov, A Bekkozhin and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China.

NEUROMODULATORY ROLE OF SPERMINE AND SPERMIDINE IN ANXIETY OF MICE: AN EXPERIMENTAL STUDY. IR Stojanović, N Stojanovic, DD Pavlovic, TP Cvetković, TM Jevtović Stoimenov, P Randjelovic, MB Cvetković and DA Pavlović, Faculty of Medicine, University of Niš, Clinic of Nephrology, Clinical Center Niš, Niš, Serbia

EFFECTS OF KARMIZOLE DERIVATE ON THE EXPRESSION OF APO A-I GENE IN THE RAT'S HYPERLIPIDEMIA MODEL. AV Lizunov, IV Okunevich, GP Kosyakova, LB Piotrovsky and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

GONADOTROPIN RELEASING HORMONE AND KISSPEPTIN INDEPENDENTLY REGULATED SEXUAL MOTIVATION IN MALE RATS. LA Magarramova, IY Tissen, AS Kraskova, AA Lebedev, PP Khokhlov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, Mechnikov North-Western State Medical University, St. Petersburg, Russia

STRESS AS THE CAUSE OF THE FORMATION TRANSACTION CHAINS OF DISTRESS CONFLICTING MENTAL FORMATIONS IN THE PERSON OF A HIGHER SCHOOL TEACHER. LV Shabanov, SV Marihin and AA Lebedev, Department of General and Applied Psychology, St. Petersburg Military Institute of National Guard of Russia, Department of Psychology of Development and Education GAOU, Pushkin Leningrad State University, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

THE EFFECTS OF NEW DRUGS SYNTHESIZED ON THE BASIS OF COUMARIN ON THE EMOTIONAL AND EXPLORATORY BEHAVIOR IN RATS. AO Kashirin, VA Polukeev, AG Pshenichnaya, OM Rodionova, AF Safonova, AA Lebedev, ER Bychkov and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

EVALUATION OF ADAPTIVE POTENTIAL OF CARDIAC SYSTEM OF MUSSELS (MYTILUS GALLOPROVINCIALIS LAMARCK, 1829) IN ECOSYSTEM STATE ASSESSMENT: CASE STUDY IN DIFFERENTLY CONTAMINATED COASTAL WATERS OF SEVASTOPOL CITY (THE BLACK SEA). TV Kuznetsova, S Kholodkevich and M Kirin, St. Petersburg Scientific Research Center for Ecological Safety RAS, St. Petersburg, Russia

EFFECTS OF LOW DOSES OF D-SERINE ON THE ANXIETY AND DEPRESSIVE-LIKE BEHAVIOR AND ON THE SPATIAL LEARNING IN GC RATS WITH A HEREDITARY PREDISPOSITION TO CATATONIC REACTIONS. OI Prokudina and TA Alekhina, Laboratory of Evolutionary Genetics, Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia

THE DOPAMINERGIC CONTROL OF SENSORIMOTOR ACTIVITY IN DAT-KO RAT MODEL. D Kalinina, O Gorsky, V Lyakhovetskii, A Volnova, RR Gainetdinov, N Pavlova and PE Musienko, Institute of Translational Biomedicine, St. Petersburg State University, Sechenov Institute of Evolutionary Physiology and Biochemistry RAS, Russian Research Center of Radiology and Surgical Technologies, Ministry of Healthcare of Russian Federation, Children's Surgery and Orthopedic Clinic, Department of Non-pulmonary Tuberculosis, Research Institute of Phthysiopulmonology, Pavlov Institute of Physiology RAS, St. Petersburg, Russia

MOTOR RESPONSES TO MULLER-LYER ILLUSION IN DRY IMMERSION. V Lyakhovetskii, I Sosnina, K Zelenskiy, V Karpinskaya and E Tomilovskaya, Movement Physiology Laboratory, Pavlov Institute of Physiology RAS, Russian Scientific Center for Radiology and Surgical Technologies, Department of General Psychology, Faculty of Psychology, St. Petersburg State University, St. Petersburg, Institute of Biomedical Problems RAS, Moscow, Russia

NEUROBIOLOGY OF COMPULSIVE SEXUAL BEHAVIOR. EM Chumakov and NN Petrova, St. Petersburg State University, First Kaschenko St. Petersburg Psychiatric Hospital, St. Petersburg, Russia

COMPLIANCE IN PATIENTS WITH BIPOLAR DISORDER TYPE I. YuV Ashenbrenner, EM Chumakov and NN Petrova, St. Petersburg State University, First Kaschenko St. Petersburg Psychiatric Hospital, St. Petersburg, Russia

ELECTROCONVULSIVE THERAPY AND PSYCHOPHARMACOTHERAPY IN PATIENTS WITH TREATMENT-RESISTANT SCHIZOPHRENIA: EFFICACY AND SIDE EFFECTS PROFILE. DS Zubov, St. Petersburg Bekhterev Psychoneurological Research Institute, St. Petersburg, Russia

COGNITIVE ENDOPHENOTYPES IN THE TREATMENT OF RESISTANT SCHIZOPHRENIA. DN Sosin, MV Shamanina, MG Yanushko and MV Ivanov, St. Petersburg Bekhterev Psychoneurological Research Institute, St. Petersburg, Russia

FLUOXETINE EXPOSURE IMPROVES ZEBRAFISH PERFORMANCE IN THE AQUATIC TAIL IMMOBILIZATION TEST. MV Chernysh, KA Demin, AM Lakstygal, AV Avdeeva and AV Kalueff, Institute of Experimental Medicine, Almazov National Medical Research Centre, Institute of Translational Biomedicine, St. Petersburg State University, Russian Research Center of Radiology and Surgical Technologies, Ministry of Healthcare of Russian Federation, St. Petersburg, Novosibirsk State University, Research Institute of Basic Physiology and Medicine, Novosibirsk, Ural Federal University, Yekaterinburg, Russia; University of Tokyo, Tokyo, Japan; School of Pharmacy, Southwest University, Chongqing, China

EFFECTS OF SERTRALINE EXPOSURE ON ADULT ZEBRAFISH IN THE AQUATIC TAIL IMMOBILIZATION TEST. NA Krotova, VA Timofeeva, KA Demin, AM Lakstygal and AV Kalueff, Institute of Experimental Medicine, Almazov National Medical Research Centre, Institute of Translational Biomedicine, St. Petersburg State University, Russian Research Center of Radiology and Surgical Technologies, Ministry of Healthcare of Russian Federation, St. Petersburg, Novosibirsk State University, Research Institute of Basic Physiology and Medicine, Novosibirsk, Ural Federal University, Yekaterinburg, Russia; University of Tokyo, Tokyo, Japan; School of Pharmacy, Southwest University, Chongqing, China

MODELING WITHDRAWAL FROM ARECOLINE IN ZEBRAFISH. N Serikuly, E Alpyshev, D Wang, J Wang, D Yan, M Wang, Z Tang, TG Amstislavskaya and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China; Research Institute of Basic Physiology and Medicine, Novosibirsk, Russia

OREXIN A ANTAGONIST OX1R SB-408124 DECREASES FOOD COMPSUMTION BUT NOT SELF-STIMULATION IN FOOD SELF-DEPRIVATION MODEL OF COMPULSIVE OVEREATING IN FED RATS. YN Bessolova, NS Efimov, AA Lebedev, EA Vetlugin, ME Abrosimov, AR Moskaliov, ER Bychkov, IV Karpova and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia

ATTENTION PARAMETERS IN CHILDREN WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD). S Bakhtadze, N Khachapuridze, N Geladze and N Kapanadze, Tbilisi State Medical University, Tbilisi, Georgia

INFLUENCE OF SMARTPHONE ON DISTURBANCES OF ATTENTION IN YOUNG POPULATION. K Karher, I Banda, K Karher, J Karher, T Janicic, J Lekic-Beljanski, General Hospital Sombor, Department of Psychiatry, Sombor, Serbia

20.00-22.00 SOCIAL EVENT 5: CONFERENCE DINNER (admissions)

Day 4. Sun, May 19, 2019

Venue: Oktibrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St. Petersburg, Russia

09.00-14.00 REGISTRATION DESK OPEN

09.30-10.00 ISBS PRESIDENTIAL LECTURE: HOW ZEBRAFISH RESEARCH IS RESHAPING TODAY'S NEUROSCIENCE AND BIOLOGICAL PSYCHIATRY. AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China

10.00-10.30 ZNRC SPECIAL LECTURE 1: ZEBRAFISH NEUROPSYCHOLOGICAL AND NEUROCOGNITIVE PHENOTYPING: TOWARDS AUTOMATION AND HIGH-THROUGHPUT. MO Parker, M Cleal and BD Fontana, Brain and Behavior Laboratory, University of Portsmouth, Portsmouth, UK

10.30-11.00 ZNRC SPECIAL LECTURE 2: ASSESSMENT OF SOCIAL, ANXIOUS AND COGNITIVE BEHAVIOR IN WILD TYPE DANIO RERIO AND ITS ASSOCIATION WITH CORTISOL. BH Harvey, M Vlok and F Viljoen, Centre of Excellence for Pharmaceutical Sciences, School of Pharmacy, North-West University, Potchefstroom, North-West Province, South Africa

- 11.00-14.20 SYMPOSIUM 7: ZNRC ZEBRAFISH NEUROSCIENCE SYMPOSIUM**
Chairs: BH Harvey (South Africa), MO Parker (UK), AV Kalueff (Russia, USA, China)
- 11.00-11.20 BEHAVIORAL EFFECTS OF DEXMEDETOMIDINE ACUTE EXPOSURE IN ZEBRAFISH MODEL.** YI Sysoev, DV Petrov, SV Okovitiy, PE Musienko and AV Kalueff, St. Petersburg State Chemical Pharmaceutical University, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia; School of Pharmacy, Southwest University, Chongqing, China
- 11.20-11.40 U-47700, A μ -OPIOID RECEPTOR AGONIST: PHARMACOLOGICAL REVIEW AND TOXICOLOGY IN MICE AND ZEBRAFISH.** TO Kolesnikova, SL Khatsko and AV Kalueff, Ural Federal University, Ekaterinburg; Institute of Translation Biomedicine, St. Petersburg State University, St. Petersburg, Russia; ZENEREI Research Center, Slidell, LA, USA; School of Pharmacy, Southwest University, Chongqing, China
- 11.40-12.20 COFFEE BREAK**
- 12.20-12.35 MODELING WITHDRAWAL FROM CHRONIC FLUOXETINE TREATMENT IN ZEBRAFISH.** KN Zabegalov, SL Khatsko and AV Kalueff, Ural Federal University, Ekaterinburg; Institute of Translation Biomedicine, St. Petersburg State University, St. Petersburg, Russia; ZENEREI Research Center, Slidell, LA, USA; School of Pharmacy, Southwest University, Chongqing, China
- 12.35-12.50 BIOCHEMICAL ASSESSMENT OF TWO ACUTE STRESS MODELS IN ADULT ZEBRAFISH: A PILOT STUDY.** AV Zhdanov, MB Bytov, SL Khatsko, IA Kotov, KN Zabegalov and AV Kalueff, Ural Federal University, Ekaterinburg; Institute of Translation Biomedicine, St. Petersburg State University, St. Petersburg, Russia; ZENEREI Research Center, Slidell, LA, USA; School of Pharmacy, Southwest University, Chongqing, China
- 12.50-13.05 THE INFLUENCE OF [1,2,4]TRIAZIN-9-ONE DERIVATIVES S1-S3 ON ZEBRAFISH BEHAVIOR IN NOVEL TANK TEST: A PILOT STUDY.** EA Leont'eva, MV Bytov, I Kochnev, KN Zabegalov, SL Khatsko, AYu Barkov and AV Kalueff, Ural Federal University, Ekaterinburg; Institute of Translation Biomedicine, St. Petersburg State University, St. Petersburg, Russia; ZENEREI Research Center, Slidell, LA, USA; School of Pharmacy, Southwest University, Chongqing, China
- 13.05-13.20 BEHAVIORAL PATTERNS ARE IN RELATIONS WITH GHRELIN CONTENT AND GHRELIN GENE EXPRESSION IN BRAIN STRUCTURES IN DANIO RERIO.** PP Khokhlov, AA Lebedev, EA Sekste, IYu Tissen, AS Devyashin, AA Blazhenko, ER Bychkov, LK Khnychenko and PD Shabanov, Anichkov Department of Neuropharmacology, Institute of Experimental Medicine, St. Petersburg, Russia
- 13.20-13.35 FLUOXETINE REDUCED SOCIAL PREFERENCE TO A CONSPECIFIC FISH CUE IN ZEBRAFISH.** CJ Lee, Inha University, Incheon, Korea
- 13.35-13.50 THE TAIL IMMOBILIZATION TEST AS A TOOL TO ACCESS ANXIETY AND STRESS-RELATED BEHAVIOR IN ZEBRAFISH.** AM Lakstygala, KA Demin, MV Chernysh, N Tagawa, NY Prokofeva, AK Savva and AV Kalueff, Institute of Experimental Medicine, Almazov National Medical Research Centre, Institute of Translational Biomedicine, St. Petersburg State University, Russian Research Center of Radiology and Surgical Technologies, Ministry of Healthcare of Russian Federation, St. Petersburg, Novosibirsk State University, Research Institute of Basic Physiology and Medicine, Novosibirsk, Ural Federal University, Yekaterinburg, Russia; University of Tokyo, Tokyo, Japan; School of Pharmacy, Southwest University, Chongqing, China
- 13.50-14.05 UNDERSTANDING NEUROACTIVE EFFECTS OF ARECOLINE IN ZEBRAFISH.** E Alpyshov, N Serikuly, D Wang, J Wang, D Yan, M Wang, Z Tang, TG Amstislavskaya and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China; Research Institute of Basic Physiology and Medicine, Novosibirsk, Russia

14.05-14.20 MODELING PARADOXICAL CONSEQUENCES OF A SEVERE ACUTE STRESS IN ZEBRAFISH: THE 3-STEP STRESS PROTOCOL. J Wang, D Wang, M Wang, D Yan, E Alpyshov, N Serikuly, A Bekkozhin and AV Kalueff, School of Pharmacy, Southwest University, Chongqing, China

14.20-14.30 CONFERENCE CLOSING

19.00-22.00 SOCIAL EVENT 6: THEATRE (admissions)

POST-CONFERENCE DAY

Mon, May 20, 2019

SOCIAL EVENTS

10.15-15.00 SOCIAL EVENT 7: VISIT TO PAVLOV LABORATORY AND MUSEUM

10.00-16.00 SOCIAL EVENT 8: TOUR TO PETERHOF (admissions)



THE INTERNATIONAL STRESS AND BEHAVIOR SOCIETY (ISBS)

Established in 2007

President: Allan V. Kalueff, PhD (2018-2020)

Vice-President: Victor M. Klimenko, MD, PhD (2018-2020)

ISBS is the international society of experts working with in the field of clinical and translational neuroscience, neurobehavioral sciences, biopsychology and biopsychiatry, with a particular focus on stress, stress-related neurobehavioral phenotypes, their neural, molecular and genetic mechanisms, as well as stress-evoked neuropsychiatric disorders. Anyone with an interest in stress-related human or animal behaviors, neurobehavioral disorders and their mechanisms, wishing to join the International Stress and Behavior Society can do so by paying dues of \$100.00 regular member or \$60.00 student member for a three-year term. To join please send membership application request to the ISBS Secretariat at info@stressandbehavior.com.

Please join our forthcoming 2019-2020 ISBS conferences



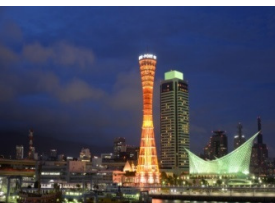
International Neuroscience and Biological Psychiatry ISBS Symposium "TRANSLATIONAL NEUROSCIENCE OF STRESS"
May 23, 2019, Kiev, Ukraine



27th International Neuroscience and Biological Psychiatry Conference "STRESS AND BEHAVIOR"
May 16-19, 2020, St. Petersburg, Russia



17th International Regional Neuroscience and Biological Psychiatry Conference "STRESS AND BEHAVIOR" (North America)
June 22-23, 2020, Miami Beach, FL, USA



18th International Regional Neuroscience and Biological Psychiatry Conference "Stress and Behavior" (Asia)
September 2020, Kobe, Japan

**E-mail: info@stressandbehavior.com
www.stress-and-behavior.com**