



COBRAIN[©]
Scientific-Educational Center
for Fundamental Brain Research



ISBS

Joint Meeting:

Annual Conference of COBRAIN Scientific-Educational Center
for Fundamental Brain Research, Yerevan State Medical University
after Mkhitar Heratsi, Armenia
(May 16-18, 2026)

The 32nd International Annual ISBS “Stress and Behavior”
Neuroscience and Biological Psychiatry Conference
(May 16-19, 2026)

Symposium of L.A. Orbeli Institute of Physiology NAS RA
(May 19, 2026)

NEUROSCIENCE WEEK-2026

International Conference
May 16-19, 2026, Yerevan, Armenia

PROGRAM

Supported by:

Yerevan State Medical University after Mkhitar Heratsi, Armenia
LA Orbeli Institute of Physiology NAS RA, Armenia



Welcoming address from the Conference Chair

Dear colleagues and friends,

Welcome to Yerevan's traditional annual neuroscience event - Neuroscience Week 2026! Over the years, Armenia has become a global hub for science and technology. This year we will again gather at the COBRAIN Center of Yerevan State Medical University and the L. A. Orbeli Institute of Physiology – the two institutions that represent both the rich history and the ambitious future of Armenian neuroscience - to bridge the gap between biological inquiry and clinical application. As before, they are joined by the International Stress and Behavior Society (ISBS), whose long-standing focus on the biological and societal consequences of stress has never been more relevant than today.

Over the busy four days of this joint international meeting, the program will take us through a wide spectrum of disciplines, from wet lab bench to bedside. This diversity is our strength. The "complex brain" is not a puzzle that can be solved in isolation – rather, it requires the collaborative effects from many fields. However, beyond the symposia and poster sessions, I encourage you to embrace the spirit of Yerevan, its cafes and squares. I hope the conversations started during our sessions will continue over Armenian coffee (or, perhaps, a glass of Areni), sparking multiple scholarly insights and lasting collaborations.

To our international guests: we thank you for traveling from every corner of the globe to be here. Your presence confirms, once again, that a true Science knows no borders. To our young researchers and students: you are the architects of the next breakthrough. We look forward to the energy and fresh perspectives you bring to our sessions. Finally, let us remember that every data point we will discuss during the meeting represents a person - a patient seeking hope, a child learning to navigate the world, or a community striving for mental well-being. We hope that this Neuroscience Week be filled with discovery and inspiration.

We look forward to welcoming you in Yerevan!



Allan V. Kalueff, PhD, DrSc
Professor of the Russian Academy of Sciences
Member, Academia Europaea



SYMPOSIUM ORGANIZERS

International Organizing Committee:

Allan Kalueff, DrSci, MAE (ISBS), ISBS President, Conference Chair
Armen Muradyan, DrSci (Yerevan), YSMU Rector, Co-Chair
Konstantin Yenkovyan, DrSci (Yerevan), COBRAIN Director, Co-Chair
Naira Ayvazyan, DrSci (Yerevan), Institute of Physiology Director, Co-Chair
Victor M. Klimenko, DrSci (St. Petersburg), ISBS Vice President
Philip Fauket-Alekhine, PhD (Paris)
Mamiko Koshiba, PhD (Tokyo)
Dusko Kozic, MD (Belgrade)
Shun Nakamura, PhD (Tokyo)
Alexey Semyanov, DrSci, MAE (Jiaxing)
Vladimir Parpura, MD, PhD, MAE (Hangzhou)
Nataliya Zinevych, PE, ISBS Secretary General, *Ex Officio*

Local Organizing Committee:

Konstantin Yenkovyan, DrSci (Yerevan), Co-Chair
Naira Ayvazyan, DrSci (Yerevan), Co-Chair
Arsen Arakelyan, DrSci (Yerevan)
Vaginak Sargsyan, DrSci (Yerevan)
Alvard Antonyan, PhD (Yerevan)
Adel Tadevosyan, DrSci (Yerevan)
Mariam Movsisyan (Yerevan)
Lilit Martirosyan (Yerevan)
Katarine Fereshetyan (Yerevan)
Hasmik Harutyunyan (Yerevan)
Ani Gregoryan (Yerevan)
Ruben Minasyan (Yerevan)
Hamlet Torosyan (Yerevan)

Scientific Program Committee:

Victor Klimenko, DrSci (St. Petersburg), Chair
Konstantin Demin, PhD (Tokyo)
Seyran Qocharyan (Yerevan)
Katarine Fereshetyan (Yerevan)

Symposium Secretariat:

Nataliya Zinevych, PE, ISBS Secretary General



PROGRAM

Day 1, May 16, 2026
Yerevan State Medical University

9.00-17.00 Conference registration

9.30-10.00 CONFERENCE WELCOMING REMARKS
AA Muradyan, YSMU Rector
AV Kalueff, ISBS President, Conference Chair
KB Yenkovyan, LOC Co-Chair
NM Ayvazyan, LOC Co-Chair

OPENING LECTURES:

10.00-10.30 REGULATION OF THE SEROTONIN 5-HT_{1A} RECEPTOR IN DEPRESSION AND ANXIETY: FROM MOLECULAR MECHANISMS TO BIOMARKERS. E Ponimaskin, Department of Cellular Neurophysiology, Hannover Medical School, Hannover, Germany.

10.30-11.00 IMAGING OF THE TREATMENT-INDUCED CEREBRAL INJURIES IN ONCOLOGY PATIENTS. D Kozić, University of Novi Sad, Faculty of Medicine, Novi Sad, Serbia.

11.00-11.30 *Coffee break*

11.30-12.00 ENGINEERED EGF-FGF-EXOSOMES SUPPRESS POST-SEIZURE INFLAMMATION. Y Wang, X Liu, G Gao, Department of Neurology, Institutes of Brain Science, Zhongshan Hospital, Fudan University, Shanghai, Suzhou EV Medical Co. Ltd., Suzhou, China.

12.00-12.30 IMPULSIVITY, REWARD SENSITIVITY, AND DOPAMINE 2/3 RECEPTORS IN PEOPLE WITH COCAINE USE DISORDER: A [¹¹C] PHNO PET IMAGING STUDY. M Mayeli, P Worhunsky, RE Carson, MN Potenza, GA Angarita, D Matuskey, Department of Radiology and Biomedical Imaging, Yale University, New Haven, Rockefeller Neuroscience Institute, West Virginia University, Morgantown, Department of Psychiatry, Yale School of Medicine, Child Study Center, Department of Neuroscience, Yale University, Connecticut Mental Health Center, Wu Tsai Institute, Department of Neurology, Yale University, New Haven, USA.

12.30-14.00 *Lunch break (free time)*



14.00-17.00 MIKHAI AGHAJANOV COBRAIN NEUROSCIENCE SYMPOSIUM
Chair: KB Yenkovyan

14.00-14.05 GENERAL INTRODUCTION:
PROFESSOR MIKHAIL AGHAJANOV (1939-2024)

14.05-14.30 THE ROLE OF INSULIN AND IGF IN ALZHEIMER'S DISEASE: A SCIENTIFIC PERSPECTIVE. KB Yenkovyan, Neuroscience Laboratory, COBRAIN Center, Yerevan State Medical University named after M. Heratsi, Yerevan, Armenia.

14.30-14.50 ELECTROPHYSIOLOGICAL AND TRANSCRIPTOMIC PHENOTYPE OF 16P11.2 DUPLICATION. A Hakobyan, Neuroscience Laboratory, COBRAIN Center, Yerevan State Medical University named after M. Heratsi, Yerevan, Armenia.



14.50-15.10 VALPROIC ACID-INDUCED SYNAPTIC AND GLIAL ALTERATIONS IN THE DEVELOPING PREFRONTAL CORTEX. K Fereshetyan, E Sahakyan, KB Yenkovyan, Neuroscience Laboratory, COBRAIN Center, Department of Biochemistry, Yerevan State Medical University named after M. Heratsi, Yerevan, Armenia.

15.10-15.20 PALATABLE FOOD-INDUCED ADIPOKINES ALTER DOPAMINE LEVELS IN REWARD CIRCUITS UNDER DEPRESSIVE AND PAIN STATES IN RATS. HS Harutyunyan, GS Vardanyan, KB Yenkovyan, Neuroscience Laboratory, COBRAIN Center, Biochemistry Department, Yerevan State Medical University after M. Heratsi, Yerevan, Armenia.

15.20-15.45 Coffee break

15.45-16.10 TESTING RAT COGNITION IN A SOCIAL HOME CAGE: AUTOMATION, SEROTONIN, AND ADOLESCENT BEHAVIORAL DEVELOPMENT. A Andreasyan, JJ Bos, M Xianzong, RAJ Bulthuis, JR Homberg, Department of Medical Neuroscience, Radboud University Medical Center, Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen, Metris BV, Hoofddorp, Netherlands.

16.10-16.35 A BURNOUT CONCEPTUALIZED: A SYSTEMATIC REVIEW OF DEFINITIONS. R Steyn, O Pieters, University of South Africa, South Africa.

16.35-17.00 A STRESS-FREE BRAIN NEEDS 'VITAMIN-T'. F McGlone, Manchester Metropolitan University, School of Life Sciences, Manchester, UK.

17.00-17.45 COBRAIN/ISBS ROUND TABLE: CAREER ADVISE: Q&A FOR YOUNG CLINICAL AND EXPERIMENTAL NEUROSCIENTISTS.

18.00-19.30 YSMU/COBRAIN Welcoming reception



Day 2, May 17, 2026
Yerevan State Medical University

9.30-17.00 Conference registration

10.00-10.30 OPENING LECTURE: ALTERED RESPONSE OF CENTRAL DOPAMINERGIC NEURONS TO AN ANTAGONIST OF SEROTONIN 2C RECEPTORS FOLLOWING MATERNAL IMMUNE ACTIVATION BY LIPOPOLYSACCHARIDE. E Dremencov, M Raciciky, D Grinchii, R Dekhtiarenko, J Gaburjakova, M Gaburjakova, Institute of Molecular Physiology and Genetics, Center of Biosciences SAS, Bratislava, Slovakia.

10.30-17.00 ZOFIA ZUKOWSKA TRANSLATIONAL NEUROSCIENCE SYMPOSIUM
Chair: AV Kalueff

10.30-10.35 GENERAL INTRODUCTION: PROFESSOR ZOFIA ZUKOWSKA (1949-2012)

10.35-11.00 ANTI-INFLAMMATORY AND NEUROREGENERATIVE POTENTIAL OF CAFFEINE-MODIFIED IMMUNE CELLS. EV Markova, IV Savkin, EV Serenko, EV Nekhoroshev, S Wang, MA Tikhonova, TG Amstislavskaya, AV Kalueff, Research Institute of Fundamental and Clinical Immunology, Novosibirsk State University, Scientific Research Institute of Neuroscience and Medicine, Novosibirsk, Russia; Suzhou Municipal Key Laboratory of Neurobiology and Cell Signaling, Department of Biosciences and Bioinformatics, School of Science3, Xi'an Jiaotong-Liverpool University, Suzhou, China.



11.00-11.25 EFFECTS OF SEROTONIN RECEPTORS TYPE 7 ACTIVATION ON BEHAVIOR AND MEMORY IN ADGED 5XFAD MICE. EV Mitroshina, AV Belov, EN Andronova, AA Vedunova, UA Mikheeva, AV Maslyak, IS Korolev, MV Vedunova, Lobachevsky State University, Nizhny Novgorod, Russia.

11.25-11.50 *Coffee break*

11.50-12.15 BEHAVIORAL DISTURBANCES IN RATS AFTER LIFE-THREATENING STRESS ARE ACCOMPANIED BY ALTERATIONS IN THE GUT MICROBIOME COMPOSITION AND MUCOSAL CELLULAR ORGANIZATION. AM Zabelnikova, SG Tsikunov, AV Matsulevich, OV Kirik, DE Korzhevskii, IN Abdurasulova, Institute of Experimental Medicine, St. Petersburg, Russia.

12.15-12.40 ISBS ONLINE TALK: RECONSTRUCTION OF THE PTSD GENE NETWORK: A NEW STRATEGY FOR TARGET THERAPY. DEDICATED TO THE 100TH ANIVESARY OF PROFESSOR FELIX MEERSON. VE Tseilikman, D-M V Tseilikman, EV Burlakov, IV Yatsyk, AA Ermolenko, IM Altotskii, OB Tseilikman,



NEUROSCIENCE WEEK-2026
May 16-19, 2026 Yerevan, Armenia
www.stressandbehavior.com

Chelyabinsk State University, Chelyabinsk, Institute Cytology and Genetics SB RAS, Novosibirsk, Russia.

12.40-14.00 Lunch break (free time)

14.00-14.20 A SYNAPTIC LEVEL RECONSTRUCTION OF A MEMORY ENGRAM USING ELECTRON MICROSCOPY. MA Sahakian Robbins, M Corrales, AJ Correia da Silva, M Clayton, S Mohinta, A Cardona, M Zlatic, MRC Laboratory of Molecular Biology, Department of Physiology, Development, and Neuroscience, Department of Zoology, University of Cambridge, UK.

14.20-14.40 EVALUATING THE VALIDITY OF FEAR CONDITIONING AND EXTINCTION LEARNING AS BEHAVIORAL MARKERS OF POST-TRAUMATIC STRESS DISORDER IN RATS. E Sitnikova, Institute of the Higher Nervous Activity and Neurophysiology RAS, Moscow, Russia.

14.40-15.00 THREE PROFILES OF AUDITORY PROCESSING OF DIFFICULT-TO-DIFFERENTIATE SOUNDS: ALPHA POWER DIFFERENTIATES MUSICIANS, HIGH-PERFORMING, AND LOW-PERFORMING NON-MUSICIANS: A PILOT STUDY. K Liaukovich, SA Kolesnikova, LY Yarikova, Institute of Higher Nervous Activity and Neurophysiology RAS, National Research University Higher School of Economics, Moscow, Russia.

15.00-15.20 TUNING TIME PERCEPTION IN DIFFERENT SCALES FOR REACHING OPTIMAL FUNCTIONAL STATE: PHENOMENOLOGY AND MECHANISMS. O Sysoeva, Sirius University of Science and Technology, Federal Territory Sirius, Russia.

15.20-15.40 THE IMPACT OF AFFECTIVE TOUCH ON CORTISOL LEVELS IN INSTITUTIONALIZED & FOSTERED CHILDREN. EA Dydenkova, EI Nikolaeva, GV Portnova, Institute of Higher Nervous Activity and Neurophysiology RAS, Moscow, Herzen State Pedagogical University of Russia, St. Petersburg, Russia.

15.40-16.00 ZNRC TALK: THE USE OF LARVAL ZEBRAFISH AS A TRIAGE PLATFORM FOR SMALL-MOLECULE ANTI-INFLAMMATORY SCREENING: A ROUTE-SEGMENTED SYSTEMATIC REVIEW. AP Sarapultsev, MV Komelkova, SA Fedorov, AV Kalueff, South Ural State University, Chelyabinsk, Russia.

16.00-16.30 Coffee break

16.30-18.00 COBRAIN JOURNAL CLUB



16.30-18.00 POSTER SESSION I

MODELING OF PARKINSON'S SYNDROME IN A MOUSE LINE WITH ALPHA-SYNUCLEIN DYSFUNCTION. AA Khizeva, AM Krayushkina, TA Ivanova, KD Chaprov, Institute of Physiologically Active Compounds at Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry RAS, Chernogolovka, Russia.

ALTERED PERCEPTION OF A SUBJECTIVE MINUTE IN OBSESSIVE-COMPULSIVE DISORDER. P Safronov, G Portnova, G Khayrullina, O Sysoeva, O Martynova, Institute of Higher Nervous Activity and Neurophysiology RAS, Faculty of Biology and Biotechnology, National Research University Higher School of Economics, Moscow, Russia.

GENETIC CORRELATES OF OBSESSIVE-COMPULSIVE DISORDER: ASSOCIATIONS WITH OCD AND ITS CLINICAL SUBTYPES. A Gaidareva, G Khayrullina, P Safronov, O Martynova, Institute of Higher Nervous Activity and Neurophysiology RAS, Faculty of Biology and Biotechnology, National Research University Higher School of Economics, Moscow, Russia.

DOSE-DEPENDENT EFFECT OF OPIOID ANALGESIC TRAMADOL ON SODIUM TRANSPORT IN FROG SKIN EPITHELIUM. AV Melnitskaya, ZI Krutetskaya, VG Antonov, MA Beltov, St. Petersburg State University, St. Petersburg State Pediatric Medical University, St. Petersburg State Chemical-Pharmaceutical University, St. Petersburg, Russia.

FEATURES OF INTERFERENCE IN THE STROOP CROSS-MODAL TEST MODEL WHEN USING DIFFERENT TYPES OF DISTRACTORS. SP Rzhanova, AA Karmokova, AO Krasnova, AB Kushnir, NY Gerasimenko, ES Mikhailova, Institute of Higher Nervous Activity and Neurophysiology RAS, Pirogov Russian National Medical University, Federal Research and Clinical Center of Intensive Care Medicine and Rehabilitology, Moscow, Russia.

EFFECT OF QUININE, AN INHIBITOR OF EXTRASYNAPTIC DOPAMINE UPTAKE, ON HYPERDOPAMINERGIA IN DAT-KO RATS. AB Volnova, AL Pelevin, AD Belskaya, ZS Fesenko, VA Zavialov, RR Gainetdinov, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia.

THE ROLE OF WORKING MEMORY IN THE DEVELOPMENT OF EMOTIONAL INTELLIGENCE DURING ADOLESCENCE. E Armanova, Herzen State Pedagogical University of Russia, St. Petersburg, Russia.

LIFESTYLE FACTORS, PSYCHOLOGICAL DISTRESS, AND HEART RATE VARIABILITY ASSOCIATED WITH STRESS LEVELS IN FATIGUE CLINIC PATIENTS. WK Bae, SW Oh, Seoul National University Bundang Hospital, Seongnam-si, Seoul National University Hospital Healthcare System Gangnam Center, Seoul, South Korea.

THE ROLE OF ASTROCYTIC GLT-1 IN SCHIZOPHRENIA: THE NMDA RECEPTOR. Y-J Ho, T-P Pan, T-Y Lin, Y-J Liu, Department of Psychology, School of Medicine, Chung Shan Medical University, Taiwan.



GENETIC FACTORS IN NEUROPLASTICITY: IMPACT OF POLYMORPHISMS IN THE STMN1 GENE ON BRAIN ADAPTATION IN CONDITIONS OF PSYCHO-EMOTIONAL STRESS. A Balanutsa, A Sochirca, L Sidorenko, Department of Molecular Biology and Human Genetics, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Moldova.

NEURODEGENERATIVE DISORDERS IN LIGHT OF ANCIENT PHYTOTHERAPY WITH NOVEL INSIGHTS INTO NEUROPROTECTION AND NEUROINFLAMMATION. A Sochirca, A Balanutsa, L Sidorenko, Department of Molecular Biology and Human Genetics, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Moldova.

DISTINCT PHENOTYPES WITHIN A SHARED GENETIC BACKGROUND: MUTUAL EXCLUSIVITY OF ABSENCE AND AUDIOGENIC EPILEPSY. M Pupikina, E Sitnikova, Institute of the Higher Nervous Activity and Neurophysiology RAS, Moscow, Russia.

ISOFLURANE ANESTHESIA PREVENTS IMMEDIATE SEIZURES BUT NOT HIPPOCAMPAL NEURODEGENERATION AFTER TRAUMATIC BRAIN INJURY IN RATS. OV Kostyunina, IG Komoltsev, AA Soloveva, PA Kostrukov, MR Novikova, NV Gulyaeva, Institute of Higher Nervous Activity and Neurophysiology RAS, Moscow Research and Clinical Center for Neuropsychiatry, Moscow, Russia.

VR INCLUSION: CLINICIAN-CONTROLLED VR BIOFEEDBACK SYSTEM FOR REDUCING ANXIETY IN PEDIATRIC MEDICAL PROCEDURES AUTHORS: K Meshkov, A Otruschenko, S Andreev, A Gorin, S Bordovsky, Remembrance LLC, Moscow, Russia.

PASSIVE BEHAVIOR AND RIGID COGNITIVE PHENOTYPE CONNECTION WITH ABSENCE EPILEPSY. I Lazarenko, A Matveeva, M Belova, M Pupikina, E Sitnikova, Institute of the Higher Nervous Activity and Neurophysiology RAS, Moscow, Russia.

COMPARATIVE ANALYSIS OF THE MICROBIOLOGICAL LANDSCAPE OF CEREBROSPINAL FLUID IN NEUROINFECTIONS AMONG HIV-POSITIVE AND HIV-NEGATIVE PATIENTS. AV Ivanov, MA Uvarova, AN Vaganova, North-West Centre for Evidence-Based Medicine, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia.

ESPORTS AND VR: HOW DOES IT CHANGE EEG SPECTRAL DYNAMICS OF ATTENTION SHIFT AND MAINTENANCE? AS Ovakimian, ED Karimova, Applied physiology of Higher Nervous Activity Lab, Institute of Higher Nervous Activity and Neurophysiology RAS, Moscow, Russia.

CHRONIC STRESS BY INSTITUTIONAL ENVIRONMENT AND DIURNAL CORTISOL PRODUCTION IN CHILDREN OF EARLY AGES. DI Chernego, RJ Muhamedrahimov, St. Petersburg State University, St. Petersburg, Russia.

AB-INDUCED DYSREGULATION OF WNT/B-CATENIN AND PROTECTIVE ROLE OF INSULIN SIGNALING IN NEURODEGENERATION. H Torosyan, KB Yenkovyan, Neuroscience Laboratory, COBRAIN Center, Yerevan State Medical University named after M. Heratsi, Yerevan, Armenia.



FROM SYNAPSE TO SYSTEM: A FOCUSED REVIEW LINKING DENDRITIC SPINE PATHOLOGY AND DTI ALTERATIONS IN ANIMAL MODELS OF ASD. EA Baghdasaryan, KB Yenkovyan, Neuroscience Laboratory, COBRAIN Center, Yerevan State Medical University named after M. Heratsi, Yerevan, Armenia.

PROPIONIC ACID-INDUCED BRAIN ABNORMALITIES: FOCUS ON AUTISM SPECTRUM DISORDER-RELATED BEHAVIOR, NEURONAL MORPHOLOGY AND CIRCUITS' HOMEOSTATIC PLASTICITY. M Mirumyan, V Chavushyan, M Danielyan, A Grigoryan, KB Yenkovyan, Neuroscience Laboratory COBRAIN Center, Department of Biochemistry, Yerevan State Medical University named after M. Heratsi, Laboratory of Neuroendocrine Relations, Laboratory of Histochemistry and Morphology, LA Orbeli Institute of Physiology NAS RA, Yerevan, Armenia.

ISBS BLITZ: CROSS-CULTURAL ASPECTS OF COPING STRATEGIES FOR OCCUPATIONAL STRESS. Ph. Fauquet-Alekhine, JAK Erskine, SEBE-Lab-Behavioural and Psychological Science, LSE, St George's, University of London, London, UK.



Day 3, May 18, 2026
Yerevan State Medical University

9.30-17.00 Conference registration

10.00-10.20 BRAIN ACTIVITY IN RATS IN RESEARCH ON EMPATHY. VV Gavrillov, Institute of Psychology RAS, Moscow, Russia.

10.20-10.40 THE EFFECT OF CHRONIC STRESS ON POSTNATAL NEUROGENESIS AND NEURONAL NO SYNTHASE IN THE RAT HIPPOCAMPUS. VA Aniol, MYu Stepanichev, MV Onufriev, AO Manolova, NA Lazareva, NV Gulyaeva, Institute of Higher Nervous Activity and Neurophysiology RAS, Moscow, Russia.

10.40-11.00 COMPARATIVE STUDY OF ND SUBUNITS OF NADH-DEHYDROGENASE COEXPRESSION IN PREFRONTAL CORTEX OF ADHD ANIMAL MODELS. AN Vaganova, PA Sylko, ZS Fesenko, EV Kanov, RR Gainetdinov, AB Volnova, Institute of Translational Biomedicine, St. Petersburg State University, St. Petersburg, Russia.

11.00-11.20 PROTEOMIC FEATURES OF PREFRONTAL CORTEX OF GENETIC DISC1-Q31L MOUSE MODELS OF DEPRESSION. KV Smirnova, EM Dmitrieva, MG Zavialova, AG Brzhozovskiy, AA Seregin, TG Amstislavskaya, LP Smirnova, Tomsk National Research Medical Center RAS, Mental Health Research Institute, Tomsk, Skolkovo Institute of Science and Technology (Skoltech), Moscow, Novosibirsk State University, Novosibirsk, Russia.

11.20-11.50 *Coffee break*

11.50-12.10 IDENTIFICATION OF BIOMARKERS FOR DETECTING HUMAN PSYCHOEMOTIONAL STATUS. E Blagovechtchenski, St. Petersburg State University, St. Petersburg, Russia.

12.10-12.30 THE INFLUENCE OF STIMULUS ONSET ASYNCHRONY AND PRIME CONGRUENCY ON BASIC- AND SUPERORDINATE-LEVEL CATEGORIZATION. NY Gerasimenko, AB Kushnir, ES Mikhailova, Institute of Higher Nervous Activity and Neurophysiology RAS, Moscow, Russia.

12.30-12.50 ULTRA-LOW-FIELD MRI FOR DEMENTIA ASSESSMENT: A SCOPING REVIEW. JS Robbins, W Pyke, E Barrett, M Liljeroth, J Dobrzanski, S Shergill, J Rodda, Kent and Medway Medical School, Kent and Medway Mental Health NHS Trust, University of Kent, Dartford and Gravesham NHS Trust, Kent, Royal Surrey NHS Foundation Trust, Surrey, Essex Partnership University NHS Foundation Trust, Essex, Kings College London, London, UK.

12.50-13.10 COGNITIVE AND NEUROPHYSIOLOGICAL CORRELATES OF DEVELOPMENT IN CHILDREN WITH CONGENITAL NON-PROGRESSIVE UPPER LIMB MOTOR DISORDERS. MM Koriakina, OE Agranovich, AN Shestakova, ED Blagovechtchenski, HSE University, St. Petersburg, Russia.



13.10-14.30 Lunch break (free time)

14.30-14.50 LONG-TERM IMPACT OF PANDEMIC STRESS ON MATERNAL MENTAL HEALTH. VO Anikina, MV Lokteva, Department of Psychology, St. Petersburg State University, St. Petersburg, Russia.

14.50-15.10 PARENING STRESS RELATED TO PARENTING ATTITUDES IN MOTHERS OF YOUNG AND PRESCHOOL CHILDREN. SS Savenysheva, V Zamlelova, Department of Psychology, St. Petersburg State University, St. Petersburg, Russia.

15.10-15.30 PARENTAL STRESS AND BURNOUT IN MOTHERS OF INFANTS IN RELATION TO MATERNAL ATTITUDE PRE- AND POSTPARTUM. ME Blokh, RA Blokh, Department of Psychology, St. Petersburg State University, St. Petersburg, Russia.

15.30-15.50 CHRONIC PSYCHOEMOTIONAL STRESS AS A TRIGGER FOR PRECLINICAL CARDIAC AUTONOMIC DYSREGULATION: EARLY DETECTION BY FEATURE-BASED CARDIORHYTHMOGRAM ANALYSIS AND DRUG-FREE MODULATION. L Sidorenko, I Sidorenko, A Sochirca, A Balanutsa, N Wessel, Nicolae Testemitanu State University of Medicine and Pharmacy, Medical Center Gesundheit, Chisinau, Moldova; MSB Medical School Berlin GmbH, Berlin, Germany.

15.50-16.10 CHANGES IN CEREBRAL BLOOD FLOW IN A HEALTHY ADULT UNDER THE INFLUENCE OF A COURSE OF SPELEOCLIMATOTHERAPY. VA Semiletova, The NN Burdenko Voronezh State Medical University, Voronezh, Russia.

16.10-16.30 Coffee break

16.30-16.50 THE ROLE OF PSYCHOLOGICAL WELLBEING IN REDUCING STRESS REACTIONS IN ADULTS. EG Troshikhina, St. Petersburg State University, St. Petersburg, Russia.

16.50-17.30 COBRAIN INTERACTIVE NEURO-QUIZ SESSION



Day 4, May 19, 2026

LA Orbeli Institute of Physiology

9.30-17.00 Conference registration

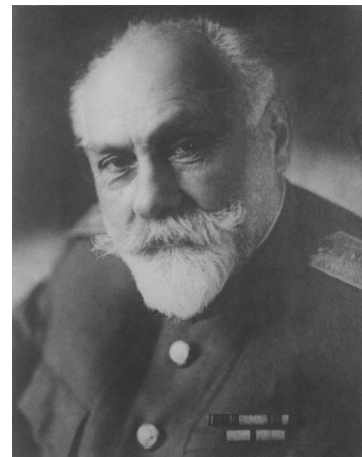
10.00-10.30 ISBS PRESIDENTIAL LECTURE: ZEBRAFISH MODELS OF BRAIN DISORDERS: 2026 UPDATES AND TRENDS. AV Kalueff, The International Stress and Behavior Society (ISBS), The International Zebrafish Neuroscience Consortium (ZNRC), New Orleans, USA.

10.30-11.00 IMPAIRED LEXICAL DECISION IN PATINENTS WITH SUBCORTICAL ISCHEMIC STROKE. G Pluck, DR Rodriguez, P Vorasayan, P Chokariyapithak, KIMEP University, Almaty, Kazakhstan; Hospital Universitario de Toledo, Toledo, Spain; King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok, Thailand.

11.00-11.30 *Coffee break*

11.30-12.40 LA ORBELI INSTITUTE CNS PHYSIOLOGY SYMPOSIUM
Chairs: NM Ayvazyan, AV Voskanyan

11.30-11.45 COMBINED EFFECT OF FOLATE CYCLE GENE POLYMORPHISMS ON THE SUSCEPTIBILITY TO MULTIPLE SCLEROSIS AND THE AGE OF DISEASE ONSET. EA Tsymbalova, EA Chernyavskaya, AY Polushin, EI Lopatina, IN Abdurasulova, VI Liudyno, Institute of Experimental Medicine, IP Pavlov First St. Petersburg State Medical University, St. Petersburg, Russia.



11.45-12.00 AMITRIPTYLINE, TRICYCLIC ANTIDEPRESSANT, MODULATES Ca^{2+} RESPONSES INDUCED BY IMMUNOMODULATOR MOLIXAN IN MACROPHAGES. LS Milenina, ZI Krutetskaya, VG Antonov, NI Krutetskaya, MA Beltov, St. Petersburg State University, St. Petersburg State Pediatric Medical University, St. Petersburg, St. Petersburg State Chemical and Pharmaceutical University, St. Petersburg, Russia.

12.00-12.20 MICROGLIAL PROTEIN IBA-1 AND MACROPHAGE MARKER CD206 DO NOT COLOCALIZE IN SHR RAT BRAIN. VA Razenkova, DE Korzhevskii, Institute of Experimental Medicine, St. Petersburg, Russia.

12.20-12.40 EFFICIENT AND RELIABLE SEMI-AUTOMATED DETECTION OF HIGH-FREQUENCY OSCILLATIONS BASED ON A SHORT-TERM SPECTRAL ANALYSIS TECHNIQUE. A Sargsyan, MR Hudson, PM Casillas-Espinosa, LA Orbeli Institute of Physiology, Yerevan, Armenia, Monash University, Melbourne, Alfred Health, Melbourne, Australia.



12.40-14.00 *Lunch break (free time)*

14.00-14.45 LA ORBELI INSTITUTE LECTURE: NEUROSCIENCE HIGHLIGHTS FOR 2025: A POPULAR REVIEW. AS Paevskii, Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry RAS, Chernogolovka, Moscow Region, Russia.

14.45-17.00 POSTER SESSION II

RELATIONSHIP BETWEEN THE DURATION OF PREDATOR STRESS AND THE SEVERITY OF POST-TRAUMATIC STRESS DISORDER IN DANIO RERIO: ANALYSIS OF BEHAVIORAL, NEUROENDOCRINE, AND OXIDATIVE MARKERS. D-MV Tseylikman, OB Tseilikman, TG Amstislavskaya, AR Mustafaeva, VA Shatilov, MS Zhukov, AV Golovanov, AK Shonina, ER Tepikina, TN Khaibullin, AS Rezikov, A Ermolenko, NV Mayer, VE Tseilikman, Chelyabinsk State University, Ural Medical Institute, U MED, Chelyabinsk, Novosibirsk National Research State University, Novosibirsk, Russia.

RELATIONSHIP BETWEEN COGNITIVE PROCESSES, DEPRESSION AND MENTAL PERFORMANCE IN PARTICIPANTS OF MILITARY OPERATIONS. AA Sahakyan, AA Tumanian, HG Galstyan, AV Sargsyan, LV Vahradyan, NE Tadevosyan, LA Orbeli Institute of Physiology NAS RA, Yerevan, Armenia.

EFFECTS OF REPEATED AUDIOVISUAL STIMULATION ON COGNITIVE FUNCTION AND AUTONOMIC REGULATION. NE Tadevosyan, BB Forghan, AA Tumanian, AR Sargsyan, LV Vahradyan, AS Khachunts, LA Orbeli Institute of Physiology NAS RA, Yerevan, Armenia.

LACTOBACILLUS RHAMNOSUS K/A^R-08 PRESERVES INTESTINAL IMMUNE HOMEOSTASIS IN ANIMAL MODEL OF MULTIPLE SCLEROSIS. VV Bynzar, A V Matsulevich, OV Kirik, IN Abdurasulova, Institute of Experimental Medicine, St. Petersburg, Russia.

INTESTINAL DYSBIOSIS IN FEMALE RATS AT DIFFERENT GESTATION PERIODS CAUSES SPECIFIC BEHAVIORAL DISTURBANCES IN OFFSPRING. MS Sudarenko, AM Zabelnikova, AV Matsulevich, VV Bynzar, IN Abdurasulova, Institute of Experimental Medicine, Saint Petersburg, Russia.

CROSS-COMPARTMENT MOLECULAR SIGNATURES IN NEURAL TUBE DEFECTS: FROM FETAL NEURAL TISSUE TO MATERNAL EXTRACELLULAR VESICLES. M Goncharova, P Kuchur, ITMO University, St. Petersburg, Russia.

SPECIFICITY OF *DM NXF1* GENE EXPRESSION IN THE DEVELOPMENT OF *DROSOPHILA MELANOGASTER* NERVOUS SYSTEM. DM Grudkova, EV Golubkova, MA Kulakova, KV Akhromov, St. Petersburg State University, St. Petersburg, Russia.

EXTINCTION OF A CONDITIONED REFLEX UNDER URETHANE ANESTHESIA. RD Cherkassova, NS Pestereva, VV Sizov, Institute of Experimental Medicine, St. Petersburg, Russia.



EFFECT OF FRACTIONATED X-RAY IRRADIATION OF THE HEAD ON THE BEHAVIOR AND COGNITIVE FUNCTIONS OF FEMALE C57BL/6 MICE IN REMOTE PERIOD. AM Kadukova, Institute of Radiobiology NAS Belarus, Gomel, Belarus.

NEUROPROTECTIVE AND ANTIOXIDANT EFFECTS OF THE FLAVONOID HESPERIDIN IN A LASER-INDUCED TRAUMATIC BRAIN INJURY MODEL *IN DANIO RERIO*. EV Nekhoroshev, IV Klimenkov, N P Sudakov, EV Markova, AV Kalueff, TG Amstislavskaya, Novosibirsk State University, Research Institute of Fundamental and Clinical Immunology, Novosibirsk, Russia.

ANGER REGULATION IN A NATURALISTIC PARADIGM. AD Medvedeva, KA Yakimchuk, VV Kosonogov, Institute for Cognitive Neuroscience, HSE University, Moscow, Institute of Health Psychology, HSE University, St. Petersburg, Russia.

ANXIETY PROFILES ACROSS LIFE DOMAINS: A LATENT PROFILE ANALYSIS OF WORRY FREQUENCY AND INTENSITY. E Alenina, V Kosonogov, Affective Psychophysiology Laboratory, Institute of Health Psychology, HSE University, St. Petersburg, Russia.

THE EFFECTS OF AGING AND DEUTERIUM CONTENT IN DRINKING WATER AS METABOLIC FACTORS AFFECTING THE POST-TRAUMATIC STRESS SYNDROME IN MICE. MA Chervinskaya, JC Nunes, AV Gorlova, JMP de Munter, TV Strekalova, Peoples' Friendship University of Russia named after Patrice Lumumb (RUDN University), Moscow, Russia; Lisbon University, Lisbon, Portugal; Maastricht University, Maastricht, Netherlands; Technosmart Europe slr, Rome, Italy.

THE ROLE OF AGING AND ENVIRONMENTAL DEUTERIUM IN MODULATING VULNERABILITY TO ULTRASOUND-INDUCED EMOTIONAL STRESS. PA Novikova, AV Gorlova, AB Burova, AE Umriukhin, JPM de Munter, TV Strekalova, I.M. Sechenov First Moscow State Medical University, Peoples' Friendship University of Russia named after Patrice Lumumb, Moscow, Russia; Technosmart Europe slr, Rome, Italy; Maastricht University, Maastricht, Netherlands.

ALTERATIONS OF THE PI3K/AKT/MTOR SIGNALING PATHWAY UNDER CHRONIC UNPREDICTABLE STRESS (CUS) IN ZEBRAFISH. EM Kozlova, J Cui, L Yang, AV Kalueff, National Research University Higher School of Economics (NRU HSE), Moscow, Russia; School of Science, Xi'an Jiatong-Liverpool University (XJTLU), Suzhou, China.

16.00-16.30 Coffee break

MORPHOLOGICAL AND FUNCTIONAL STATE OF ANTINOCICEPTIVE BRAIN REGIONS IN A RAT MODEL OF PARKINSON'S DISEASE: EFFECTS OF THERAPEUTIC AGENTS OF DIFFERENT ORIGINS. MH Danielyan, KA Nebogova, IV Antonyan, NH Azizyan, AA Mkrtychyan, MV Poghosyan, ZA Avetisyan, HYu Stepanyan, KV Karapetyan, LA Orbeli Institute of Physiology NAS RA, Yerevan, Armenia.

ELECTROPHYSIOLOGICAL STUDY OF THE VENTROMEDIAL HYPOTHALAMUS DURING REPEATED INSULIN-INDUCED HYPOGLYCEMIA IN RATS CONSUMING STEVIA. LA Abovyan, KV Simonyan, AS Isoyan, LG Avetisyan, LR Gevorgyan, LE



NEUROSCIENCE WEEK-2026
May 16-19, 2026 Yerevan, Armenia
www.stressandbehavior.com

Hovhannisyanyan, VA Chavushyan, LA Orbeli Institute of Physiology NAS RA, Davtyan Institute of Hydroponics Problems, Yerevan, Armenia.

CURCUMIN ATTENUATES MOTOR DEFICITS AND NEURODEGENERATION IN A ROTENONE-INDUCED RAT MODEL OF PARKINSON'S DISEASE. L Darbinyan, L Hambardzumyan, L Manukyan, M Danielyan, K Karapetyan, V Sarkisian, K Nebogova, R Avetisyan, M Grigoryan, P Bezrukavaia, L Mkrtychyan, L Ohanyan, K Simonyan, Sensorimotor Integration Lab, Neuroendocrine Relationships Lab, Histochemistry and Morphology Lab, Central Nervous System Physiology Lab, Toxinology and Molecular Systematics Lab, LA Orbeli Institute of Physiology, Armenian State Institute of Physical Culture and Sport, Yerevan, Armenia.

OXYTOCIN-INDUCED MODULATION OF SPONTANEOUS ELECTRICAL ACTIVITY IN RHYTHMOGENIC AREAS OF THE RAT MYOMETRIUM. NG Hunanyan, KV Kazaryan, MA Danielyan, RG Chibukhchyan, HH Mkrtychyan, YY Trofimova, AV Mkrtychyan, TA Piliposyan, LA Orbeli Institute of Physiology NAS RA, Yerevan, Armenia.

17.00-17.15 CONFERENCE CLOSING

Join our forthcoming meetings:



**19th ISBS Regional (Asia) Neuroscience
"STRESS AND BEHAVIOR" Conference**
August 18-22, 2026, Karon Beach, Phuket, Thailand



6th Caribbean Biomedical Research Days CBRD-2027,
January 13-15, 2027, Rodney Bay, St. Lucia



NEUROSCIENCE WEEK-2027
International Conference
May 16-19, 2027, Yerevan, Armenia

Become a member of our ISBS community:
www.stressandbehavior.com

