3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

***POSTER SESSION***

***October 16, Tuesday***

***The Intourist Kolomenskoe, Kashyrskoye shosse, 39b, Moscow***

***Section 1.***

***Nuclear medicine, radiodiagnotics and radiotherapy***

***Chair: A.A. Postnov***

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| P1.1 | ***COMBINATION OF PET TRACERS IN BRAIN TUMOR STUDIES***  *A.V.Agafonova, I.N.Pronin, A.A.Postnov* |
| P1.2 | ***DEVELOPMENT OF CONE-BEAM 4DCT FOR PROTON THERAPY OF MOV- ING TUMORS IN SITTING POSITION: FIRST EXPERI-MENTAL RESULTS***  *M.A. Belikhin, A.A. Pryanichnikov, A.E. Shemyakov, A.I. Shestopalov* |
| P1.3 | ***INTERACTIVE SOFTWARE FOR IRRADIATION GUR-120 FACIL-ITY***  *E.N. Denisova, A.S. Snegiryov, G.V. Kozmin, Yu.A. Kurachenko* |
| P1.4 | ***PRECISION MODELING OF THYROID LESIONS IN RADIATION ACCI- DENTS***  *E.N. Denisova, A.S. Snegiryov, G.V. Kozmin, Yu.A. Kurachenko* |
| P1.5 | ***COMBINED ACTION OF CHEMICALS AND IONIZING RADIATION ON CELL SURVIVAL***  *A.N. Filimonova, Yu.N. Anokhin* |
| P1.6 | ***EVALUATION OF 99Mo AND 177Lu FOR NUCLEAR MEDICINE IN LOW POWER REACTORS***  *E. Gubanova, A. Maksimushkina, H. Nepovinnykh, T. Osipova, S. Shkavrov, N. Usov,*  *N. Epshtein* |
| P1.7 | ***ETCH TRACK DETECTOR METHODS FOR THE MEASUREMENTS OF SEC- ONDARY COSMIC RADIATION DOSES ONBOARD THE INTERNATIONAL SPACE STATION***  *K.O. Inozemtsev, V.V. Kushin, S. Kodaira, T. Kusumoto, A. Strádi, J. Szabó, I. Am-*  *brožová, R.V. Tolochek, V.A. Shurshakov* |
| P1.8 | ***THE RATIO BETWEEN ABSORBED DOSE, KERMA AND IONI-ZATION KERMA FOR SMALL-SIZE PHOTON BEAM***  *M. Kolyvanova, G. Galjautdinova, V. Klimanov* |
| P1.9 | ***SYNERGISM OF COMBINED ACTION OF ULTRAVIOLET LIGHT AND ION- IZING RADIATION***  *L.N. Komarova* |
| P1.10 | ***MICRODISTRIBUTION OF DEPOSITED DOSE IN BIOLOGICAL TISSUE IN THE PRESENCE OF GOLD AND GADOLINIUM NA-NOPARTICLES UNDER PHOTON BEAM IRRADIATION***  *Konobeev I.A., Sheino I.N.* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

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| P1.11 | ***CREATION OF MEDICAL DATABASE***  ***FOR DECISION SUPPORT SISTEM FOR MRI DIAGNOSIS OF ONCOLOGICAL DISEASES OF THE HUMAN BRAIN***  *V. S. Kozlov* |
| P1.12 | ***THE EFFECT OF SEMAX AND SELANK***  ***ON HEMISPHERIC BRAIN ASYMMETRY IN RATS***  ***WITN DIFFERENT MOTOR LAT-ERALIZATION PROFILE UNDER THE CONDITIONS OF THE AMYGDALA BASOLATERAL NUCLEUS DE-STRUCTION***  *I. Latynova, M. Fedorova, Zh. Vishnyakova, S. Mozerov* |
| P1.13 | ***FUNCTIONAL MAGNETIC RESONANCE SPECTROSCOPY STUDY OF ASPARTATE IN ACTIVATED CORTEX AT 3T***  *A. Manzhurtsev, P. Menshchikov, O. Vasiukova,*  *M. Ublinskiy, N.Semenova, T. Akhadov* |
| P1.14 | ***FUNCTIONAL MAGNETIC RESONANCE SPECTROSCOPY OF GLUTAMATE AT 3T***  *A. Manzhurtsev, P. Menshchikov, M. Ublinskiy,*  *O. Vasiukova, N.Semenova, O. Bozhko, T. Akhadov* |
| P1.15 | ***MONTE CARLO MODULATION OF LEKSELL GAMMA KNIFE PERFEXION***  *T. Medjadj, A. Ksenofontov, A. Dalechina* |
| P1.16 | ***RESTING-STATE FMRI: PREOPERATIVE MAPPING IN PATIENTS WITH BRAIN GLIOMAS***  *T. Melnikova-Pitskhelauri, M.Sharaev, A.Smirnov,*  *E.Pogosbekyan, E.Burnaev, L.Fadeeva, I.Pronin, D.Pitskhelauri* |
| P1.17 | ***31P-MR SPECTROSCOPY FOR BRAIN TUMORS РН-METRY***  *M. Mertsalova, L. Fadeeva, D.Piashina, A. Postnov, I. Pronin* |
| P1.18 | ***MONTE-CARLO CALCULATION OF DOSE ENHANCEMENT FACTOR IN THE PARTICLE OF DNA LIQUID-CRYSTALLINE DISPERSION***  ***IN PRESENCE OF GOLD NANOPARTICLES***  *K.V. Morozov, V.N. Morozov, A.V. Belousov,*  *G.A. Krusanov, M.A. Kolyvanova, A.A. Shtil* |
| P1.19 | ***FUNCTIONALIZATION OF POLYELECTROLYTE MICROCAP-SULES FOR SMART TARGETED DELIVERY OF THERANOSTIC AGENTS***  *Galina Nifontova, Maria Baryshnikova, Alyona Sukhanova* |
| P1.20 | ***BREMSSTRAHLUNG OF HIGH-CURRENT ELECTRON ACCEL-ERATOR FOR RADIOISOTOPE PRODUCTION***  *H.A. Onischuk, Yu.A. Kurachenko* |
| P1.21 | ***NEUTRON BEAMS QUALITY PERFORMANCE CRITERIA FOR NEUTRON CAPTURE THERAPY***  *H.A. Onischuk, Yu.A. Kurachenko, Eu.S. Matusevich* |
| P1.22 | ***EX VIVO BIODISTRIBUTION***  ***OF GALLIUM-68-LABELED POROUS SILICON NANOPARTICLES***  *V.M. Petriev, V.K. Tishchenko, A.A. Mikhailovskaya,*  *O.A. Smoryzanova A.V.Kabashin, I.N. Zavestovskaya* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

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| P1.23 | ***BIODISTRIBUTION EX VIVO OF 213Bi-KHEDP – A PROMISING BONE- SEEKING AGENT FOR TARGETED ALPHA THERAPY***  *V.M. Petriev, V.K. Tishchenko, A.A. Mikhailovskaya, O.A. Smoryzanova* |
| P1.24 | ***THE INFLUENCE OF WHOLE BODY RADIATION EXPOSURE ON THE BIO- DISTRIBUTION OF MONOPOTASSIUM SALT OF 1-HYDROXYETHYLIDENE DIPHOSPHONIC ACID LABELED WITH RHENIUM-188***  *V.M. Petriev, V.K. Tishchenko, O.A. Smoryzanova,*  *E.D. Stepchenkova, I.N. Zavestovskaya* |
| P1.25 | ***CYTOGENETIC EFFECTS IN LETTUCE SEEDS AFTER EXPOSURE TO AC- CELERATED GELIUM IONS***  *N.G. Platova, R.V. Тоlochek* |
| P1.26 | ***NEW MODIFICATION OF PROTOM PATIENT POSITIONING AND IMMOBI- LIZATION SYSTEM FOR PROTON THERAPY IN LYING POSITION***  *A.A. Pryanichnikov, V.E. Balakin, M.A. Belikhin, A.E Shemyakov* |
| P1.27 | ***SYNTHETIC MAGNETIC RESONANCE IMAGING IN NEU-ROVIZUALIZATION***  *A. Shevchenko, L. Fadeeva, I. Pronin, N. Zakharova* |
| P1.28 | ***PLANNING PROTON THERAPY ON CONE-BEAM CT IMAGES***  *A. Solovev, A. Chernukha, O. Lepilina, R. Shersnev,*  *O. Golovanova, A. Shestopalov, S. Ulyanenko* |
| P1.29 | ***DOSIMETRY OF PROTON SCANNING BEAM WITH FBX DOSI-METRIC SYSTEM***  *Troshina M.V., Potetnya V.I., Koryakina E.V.,*  *Baykuzina R.M., Koryakin S.N., Ulyanenko S.E.* |
| P1.30 | ***DOSIMETRY SUPPORT OF NUCLEAR MEDICINE***  *A. A. Trukhin, P.O. Rumyantsev, V.G. Nikitaev* |
| P1.31 | ***3D MRSI IN DIAGNOSIS OF BRAIN TUMOURS***  *A. Tyurina, A. Podoprigora, L. Fadeeva, V. Kornienko, I. Pronin* |
| P1.32 | ***SPECIFIC ABSORPTION RATE OF ORIENTED ASSEMBLES OF ELON- GARED CLUSTERS OF MAGNETIC NANOPARTICLES***  *Gubanova E.M., Epshtein N.B., Belyaeva G.A. Usov N.A.* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

***Section 2.***

***High technology medicine***

***Chair: Semenov I.Yu.***

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| P2.1 | ***MORPHOLOGICAL CHANGES IN THE WALLS OF THE ARTERIES***  ***OF THE ELASTIC AND MUSCULAR-ELASTIC TYPE, ASSOCIATED WICH AGE AND CONCOMITANT PATHOLOGICAL CONDITIONS***  *N. Averkin, M. Fedorova, V. Brosalov,*  *S. Mozerov, A. Stolyarov, E. Kharitonov, O. Zhurkina* |
| P2.2 | ***THE STIMULATING EFFECT OF LOW-INTENSITY LED IRRADI-ATION ON THE IN VITRO MODEL OF PARKINSON'S DISEASE***  *Bikmulina P.Y., Butnaru D.V., Shpichka A.I., Timashev P.S., Kosheleva N.V., Zurina I.M., Semenova M.L., Gorkun A.A.,*  *Maximchik P.V., Yusupov V.I., Gogvadze V.G., Rochev Y.A.* |
| P2.3 | ***CLONING AND EXPRESSION OF TBF GENE AS RECOMBINANT VACCINE CANDIDATE AGAINST VIBRIO CHOLERAE***  *Y.G. Bazarnova, T.A. Bolotnikova, E.B.Aronova* |
| P2.4 | ***FORECASTING OF LONE ATRIAL FIBRILLATION PAROXYSMS DURING PREGNANCY***  *N. Dyatlov, F. Rakhmatullov, M. Mitrokhin,*  *I. Moiseeva, L. Burmistrova, A. Kotlyarov* |
| P2.5 | ***RESEARCH OF SEGMENTATION METHODS FOR HIGHLIGHING POINTS AND GLOBULES ON IMAGES OF SKIN NEOPLASMS***  *T. Ezhov, V. Nikitaev, O. Tamrazova, A. Pronichev, V. Sergeev* |
| P2.6 | ***VOCAL FOLD SCARRING AND REPAIR THROUGH THE EYES OF ATOMIC FORCE MICROSCOPY***  *Anastasiya Frolova, Mikhail Svistushkin, Svetlana Kotova,*  *Valery Svistushkin, Anatoly Shekhter, Peter Timashev* |
| P2.7 | ***DECREASE OF GABA AND NAA IN THE HUMAN VISUAL CORTEX DURING VIDEOSTIMULATION. 1H MRS STUDY***  *A. Iakovlev, A. Manzhurtsev, P. Menshchikov,T. Akhadov, N. A. Semenova* |
| P2.8 | ***INVESTIGATION OF NEURAL SYSTEM POSSIBILITIES IN RECOGNITION OF MELANOMA***  *S. Kobelev, V Nikitaev, O. Tamrazova, A. Pronichev, V. Sergeev, E. Polyakov* |
| P2.9 | ***THE PREVALENCE OF ANTIBIOTIC-RESISTANT BACTERIAL CARRIAGE AMONG CHILDREN OF EARLY CHILDHOOD, PRE-SCHOOL AGE***  ***AND SCHOOL-AGE CHILDREN***  *S. Kolesnikova, E. Tulyakova , E. Burmistrova and O. Berseneva* |
| P2.10 | ***SYSTEM FOR RECOGNITION OF PIGMENT NETWORK LINES ON DER- MATOSCOPIC IMAGES OF MELANOCYTIC SKIN LESIONS***  *A. Kozyreva, V. Nikitaev, O. Tamrazova, A. Pronichev, V. Sergeev* |
| P2.11 | ***METABOLIC CONCENTRATIONS IN ACUTE ANG LONG-TERM SEVERE TBI. 1H MRS STUDY***  *P. Menshchikov, M. Ublinskiy, T. Akhadov, N.A. Semenova* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

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| P2.12 | ***QUANTIFICATION OF CEREBRAL WHITE AND GRAY MATTER ASPAR- TATE CONCENTRATIONS IN VIVO***  *P. Menshchikov, A. Manzhurtsev, T. Akhadov, N.A. Semenova* |
| P2.13 | ***ROBUST SEGMENTATION TOOL FOR IN VIVO SINGLE VOXEL AND 2D 1H MRS OF HUMAN BRAIN***  *P. Menshchikov, M. Melnikov, T. Akhadov, N.A. Semenova* |
| P2.14 | ***SELECTION OF OPTIMAL ANTIBODY FOR DETECTION OF HEPATITIS B SURFACE ANTIGEN VIA IMMUNOREAGENT SCREENING WITH SPECTRAL CORRELATION INTERFEROME-TRY***  *D.O. Novichikhin, A.V. Pushkarev, S.L. Znoyko,*  *V. A. Bragina, A.V. Orlov, P.I. Nikitin* |
| P2.15 | ***THE CONDITION OF THE CORONARY RESERVE IN PATIENTS WITH ASYMPTOMATIC ATRIAL FIBRILLATION WITH SUB-CLINICAL THYRO- TOXICOSIS***  *R. Rakhmatullov, A. Rakhmatullov, I. Moiseeva, A. Kotlyarov* |
| P2.16 | ***THE INTELLIGENT SYSTEM OF RECOGNITION OF THE NET-WORK STRUCTURE OF MELANOMA***  *A.Skripnik, V Nikitaev, O Tamrazova, A. Pronichev,*  *V Yu Sergeev, S. Zaytsev, V. Dmitrieva, E. Druzhinina* |
| P2.17 | ***BIONIC HEART: TRANSLATION PRINCIPLES***  *Dmitry Telyshev, Maxim Denisov, Anna Satyukova, Tatyana Le* |
| P2.18 | ***MALFUNCTION OF CEREBELLAR CONNECTIVITY IN PATIENTS WITH MILD TBI. RSFMRI STUDY***  *M.V. Ublinskiy, P.E. Menshchikov, A.V. Manzhurtsev, N.A. Semenova, T.A. Akhadov* |
| P2.19 | ***MICROSTRUCTURE AND METABOLISM ANALYSIS IN CHIL-DREN WITH SEVERE TBI***  *M.V. Ublinskiy, P.E. Menshchikov,*  *A.V. Manzhurtsev, N.A. Semenova, T.A. Akhadov* |
| P2.20 | ***CEREBRAL MICROSTRUCTURE DISORDERS IN THE ACUTE PHASE OF MILD TRAUMATIC BRAIN INJURY***  *O.R. Vasiukova, A.V. Manzhurtsev, P.E. Menshchikov,*  *M.V. Ublinskiy, T.A. Akhadov, N.A. Semenova* |
| P2.21 | ***THE RATING FACTORS IN THE PROGRESSION OF ACUTE PANCREATITIS***  *Vlasov A.P.,Trofimov V.A., Anaskin S.G., Malakhova O.S.,*  *Morozova M.M., Muratova T.A., Vasiliev V.V., Vlasova T.I., I.D. Korniletskiy* |
| P2.22 | ***DEVELOPMENT OF A SYSTEM OF SUPPORTING THE ADOPTION OF MED- ICAL DECISIONS FOR THE DIAGNOSTICS OF THE DEFORMATIONS OF THE GASTROINTESTINAL TRACT***  *E. Vorobyeva, V. Nikitaev, V. Selchuk, A. Pronichev, E. Polyakov* |
| P2.23 | ***COMBINATION OF CRYOGENIC DIAGNOSTICS AND TREAT-MENT OF ONCOLOGICAL DISEASES***  *Vorontsov V. A.* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

***Section3 Biomedicine technology***

***Chair: V.Yu. Timoshenko***

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| P3.1 | ***INFLUENCE OF NANOPARTICLES OF POROUS SILICON AND GOLD ON FREE-RADICAL HOMEOSTASIS OF THE SKIN OF RATS***  *Alykova A.F., Lomteva N.A., Kondratenko E.I., Timoshenko V.Yu.,*  *Kasimova S.K., Alykova O.M., Zavestovskaya I.N.* |
| P3.2 | ***PREPARATION NANOPARTICLES AND FILMS SI AND STUDY OF THEIR PROPERTIES BY SPM AND TEM***  *S. Antonenko, I. Derzhavin, M. Klimentov, O. Uvarov, A. Fronya* |
| P3.3 | ***IN VIVO ANALYSIS OF QUANTUM DOTS FLUORESCENCE SIGNAL INTEN- SITY AFTER SUBCUTANEOUS INJECTION***  *Svetlana Bozrova, Maria Baryshnikova, Zinaida Sokolova,*  *Amir Tu-khvatullin, Denis Logunov, Igor Nabiev, Alyona Sukhanova* |
| P3.4 | ***COLD CATHODES BASED ON CARBON NANOTUBES FOR THE X-RAY TUBE USED IN RADIATION THERAPY AND DIAGNOSTICS***  *A. Bratsuk, A. Simonov* |
| P3.5 | ***CALCULATION OF THE BINDING ENERGY OF IMPLANT COAT-ING COM- PONENTS WITH A SUBSTRATE BY QUANTUM CHEM-ISTRY METHODS***  *I. Dashevskiy, A. Balueva, P. Todebush* |
| P3.6 | ***THE DATABASE FOR THE AUTOMATED SYSTEM OF DIAGNOSIS OF A MELANOMA***  *E. Druzhinina, V Nikitaev, O Tamrazova, A Pronichev, V Sergeev, E. Polyakov* |
| P3.7 | ***FILTERING METHODS OF IMAGES OF SKIN IMPROVE-MENTS BASED ON SINGLE-DIMENSIONAL MASKS***  *E.Guguchkin, V. Nikitaev, O. Tamrazova, A. Pronichev, V. Sergeev, E. Druzhinina* |
| P3.8 | ***STUDY OF COMPRESSION ALGORITHMS IMAGES OF CYTO-LOGICAL PREPARATIONS***  *K. Hamadi, V. Nikitaev, O. Nagornov, A. Pronichev, E. Polyakov,*  *S. Zaytsev, V. Dmitrieva, Yu. Ivanov, I. Shabalova, T. Djangirova* |
| P3.9 | ***DEVELOPMENT OF MICROSCOPE SOFTWARE MODULE FOR SCANNING OF PRODUCTS WITH AUTOMATIC FOCUSING***  *E. Ivanov, V. Nikitaev, A. Pronichev, E. Polyakov, S. Zaytsev* |
| P3.10 | ***BIOPHYSICAL METHOD OF STRUCTURAL RESONANCE THERAPY IN TREATMENT OF ACUTE PANCREATITIS***  *Yu.V. Ivanov, S.G. Anaskin, I.D. Korniletskiy, D.Yu. Agibalov* |
| P3.11 | ***THE AUTOMATIC SYSTEM OF THE ANALYSIS OF TISSUE SPECIMENS IN INTRAOPEATSIONY DIAGNOSIS OF NODAL FORMATIONS OF THE THY- ROID GLAND***  *Yu.V. Ivanov, S.G. Anaskin, I.D. Korniletskiy, D.Yu. Agibalov* |
| P3.12 | ***BREATH ACETONE DETECTION WITH THE NEW COLORIMET-RIC SEN- SOR: INTERPRETATION OF THE PILOT STUDY RESULTS***  *A. Ivanova, M. Dmitrienko, E. Kolomina* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

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| P3.13 | ***ENGINEERING OF MATRIX-STRUCTURED CALCIUM CAR-BONATE MI- CROPARTICLES WITH DESIRED DISPERSION CHARACTERISTICS***  *Daria Kalenichenko, Galina Nifontova, Alyona Sukhanova, Igor Nabiev* |
| P3.14 | ***BIOMIMETIC NANOSTRUCTURES: MONOLAYERS, FILMS AND VESICLES BASED ON COMPLEXES OF AMPHIPHILIC COM-POUNDS, POLYMERS AND NANOPARTICLES***  *V.P. Kim, K.V. Potapenkov, G.B. Khomutov, A.V. Sybachin,*  *A.A. Yaroslavov, I.V. Taranov, V.A. Cherepenin, Y.V. Gulyaev* |
| P3.15 | ***DEVELOPMENT OF FORMATION SYSTEM FOR PANORA-MENT IMAGES FOR CYTOLOGICAL ANALYSIS***  *A. Koltsov, V. Nikitaev, A. Pronichev, E. Polyakov* |
| P3.16 | ***MOBILE MONITORING SYSTEM DETECTING THE PRECURSORS OF CAR- DIOVASCULAR DISEASES***  *I. Kozlovskaya, O. Bulkina, V. Lopukhova, A. Shubina, Yu. Karpov,*  *E. Lukoshkova, V. Ermishkin, A. Bogomolov, V. Nevezhin* |
| P3.17 | ***THREE STEPS FOR THE DETERMINATION OF FLAVO-NOID CONTENTS AS AN APPROACH TO STANDARDIZA-TION OF STEVIA LEAVES FOR BIO- MEDICINE***  *E. Kurdyukov, E. Semenova, I. Moiseeva,*  *S. Kolesnikova, А. Кuznetsova, O. Rodina, Ya. Moiseev* |
| P3.18 | ***RESEARCH OF BIOMECHANICAL PROPERTIES OF TISSUE SPHEROIDS BY USING OF LASER MICRODISSECTION AND METHODS OF TENSIOMETRY***  *A. Kurishev* |
| P3.19 | ***CONJUGATION OF NOVEL 4,5,9-TRI-SUBSTITUTED ACRIDINE DERIVA- TIVES AND QUANTUM DOTS***  *P. Linkov, K. Vokhmintcev, M. Cochard,*  *B. Brassart, P. Samokhvalov, J. Sapi, and I. Nabiev* |
| P3.20 | ***STRENGTH CHARACTERISTICS AND TRIBOLOGICAL PROP-ERTIES OF ISOTROPIC PYROLYTIC CARBON FRICTION PAIR IN TOTAL HIP RE- PLACEMENT.***  *A. Mitroshin, S. Mozerov, A. Kibitkin, M. Ksenofontov, D. Kosmynin* |
| P3.21 | ***OPTIMIZATION OF THE PHOTONIC CRYSTAL CHIP ACTIVATION PROCE- DURE FOR ULTRASENSITIVE OPTICAL BIOSENSING***  *I.O. Petrova, I. Nabiev, V.N. Konopsky, A. Sukhanova* |
| P3.22 | ***A CONTROL METHOD FOR ROTARY BLOOD PUMPS AS A BIVENTRICULAR ASSIST DEVICE UTILIZING PUMPING STATE IDENTIFICATION***  *D. Petukhov* |
| P3.23 | ***NANOCOMPOSITE MAGNETIC LIPOSOMES FOR TARGETED DELIVERY AND CONTROLLED RELEASE OF DRUGS: EFFECTS OF APPLIED ELEC- TRIC AND MAGNETIC FIELDS***  *K.V. Potapenkov, , V.P. Kim, G.B. Khomutov, A.V. Sybachin,*  *A.A. Yaroslavov, I.V. Taranov, V.A. Cherepenin, Y.V. Gulyaev* |
| P3.24 | ***OPTICAL METHODS IN THE DIAGNOSTICS OF FIBROSIS***  *I. Raznitsyna, Yu. Chursinova, D. Kulikov* |

3rd International Symposium on

“Physics, Engineering and Technologies for Biomedicine”

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| P3.25 | ***EXCITONIC-TO-PLASMONIC TRANSITION IN CuInS2 NANO-CRYSTALS***  *P. Samokhvalov, P. Linkov and I. Nabiev* |
| P3.26 | ***QUALITY CONTROL OF DITERPENOID GLUCOSIDES AS A MAIN BIOAC- TIVE MARKERS OF STEVIA REBAUDIANA BERTONI LEAVES***  *E. Semenova, E. Kurdyukov, N. Glebova, А. Kuznetsova,*  *I. Moiseeva, N. Gavrilova, S. Kolesnikova* |
| P3.27 | ***PARTICLES FROM STAR-SHAPED POLYLACTIDES AS A TOOL FOR PRO- LONGED PROTEIN DRUG RELEASE***  *Shavkuta B.S., Shpichka A.I., Bardakova K.N., Kostjuk S.V., Timashev P.S.* |
| P3.28 | ***ANALYSIS OF fMRI DATA IN CONN AND ICA***  *K. Shemarova* |
| P3.29 | ***ACOUSTOGRAVIMETRICSENSORS OF ACETONE VAPOR IN EXHALED AIR***  *V. Simonov* |
| P3.30 | ***PERSPECTIVES FOR USING QUANTUM TECHNOLOGIES IN BI- OMEDICINE***  *P.A. Tarasov, E.A Isaev and G.V. Detkov* |
| P3.31 | ***INTERACTIVE SEGMENTATION OF SKIN NEOPLASM IMAGES FOR HAIRS DETECTION***  *I. Trefilov, V. Nikitaev, O. Tamrazova, A. Pronichev, V. Sergeev, E. Druzhinina* |