SCIENTIFIC PROGRAMME

TRAINING COURSE
“ALGORITHMS AND STANDARDS OF THE BIOLOGICAL MARKERS USE IN THE MODERN MEDICAL-BIOLOGICAL STUDIES”

CONFERENCE
“THEORETICAL AND PRACTICAL ASPECTS OF THE USE OF BIOLOGICAL MARKERS IN FUNDAMENTAL AND APPLIED MEDICINE AND BIOLOGY”

MARCH, 27-29
2018
PRAGUE, THE CZECH REPUBLIC
ESCBM, https://escbm.org
March 27-29, 2018, Prague, Czech Republic,
Congress Hall of the A&B-centre, Vaclavske namesti 833/31, 11000 Praha-1, Czech Republic

Scientific Programme
Training Course/Conference

MODULE 1: Molecular Genetic Markers (SNPs) in medicine and biology. Modern aspects of biological markers use in the diagnosis and monitoring of the effectiveness of treatment of diseases of systems and organs (from experimental to clinical research) – 50 hours of classroom and independent work.

MODULE 2: Modern methods of data processing in scientific biomedical researches – 20 hours of classroom and independent work.

MODULE 3: European standards and bioethical aspects of biomedical research – 15 hours of classroom and independent work.
TRAINING COURSE “Algorithms and standards of the biological markers use in the modern medical-biological studies” & CONFERENCE “Theoretical and practical aspects of the use of biological markers in fundamental and applied medicine and biology”
March 27-29, 2018, Prague, Czech Republic, https://escbm.org, escbm@escbm.org

Training Course/Conference
Design

27 MARCH 2018, TUESDAY

09:00 - 11:00 – Welcome reception, registration
11:00 - 11:30 – Opening ceremony of the Training/Conference
11:30 - 13:30 – Plenary session 1. “Theoretical and practical aspects of the use of biological markers in fundamental and applied medicine and biology”
12:30 - 13:30 – Oral abstracts session in the frames of the competition of scientific works.

13:30 - 14:00 – Coffee break

14:00 - 16:00 – Internship, module 1 - Molecular Genetic Markers (SNPs) in medicine and biology. Modern aspects of biological markers use in the diagnosis and monitoring of the effectiveness of treatment of diseases of systems and organs (from experimental to clinical research)

16:00 - 16:20 – Coffee break

16:20 - 18:00 – Internship, module 1, 2 Molecular Genetic Markers (SNPs) in medicine and biology. Modern aspects of biological markers use in the diagnosis and monitoring of the effectiveness of treatment of diseases of systems and organs (from experimental to clinical research) and Modern methods of data processing in scientific biomedical researches

18:30 – Greeting dinner.
28 MARCH 2018, WEDNESDAY

10:30 - 11:30 – Oral abstracts session in the frames of the competition of scientific works (continued).

11:30 - 12:15 – Lunch

12:30 - 15:00 – Internship, module 1, 2. Molecular Genetic Markers (SNPs) in medicine and biology. Modern aspects of biological markers use in the diagnosis and monitoring of the effectiveness of treatment of diseases of systems and organs (from experimental to clinical research) and Modern methods of data processing in scientific biomedical researches.

15:00 - 16:00 – Master class by Section Editor, BBA Clinical (ELSEVIER). Standards of the scientific writing. Medical-biological publications in Scopus, Web of Science.

16:00 - 16:30 – Coffee break

16:30 - 18:30 – Internship, module 2, 3. Modern methods of data processing in scientific biomedical researches.
Discussion club. European standards and bioethical aspects of biomedical research.

29 MARCH 2018, THURSDAY

10:00 - 12:00 – Internship, module 3. Modern methods of data processing in scientific biomedical researches.

12:00 - 12:15 – Coffee break

12:15 - 13:30 – Awards ceremony, Closing remarks, Closing ceremony.
27 MARCH 2018, TUESDAY

Opening ceremony of the Training/Conference
11:00 - 11:30

• Opening ceremony
• Prof. Daniel Petroviс, University of Ljubljana, Ljubljana Institute of Histology and Embryology, Cardiology, Genetic Epidemiology, Ophthalmology
• Prof. Shahidul Islam, Karolinska Institutet, Department of Clinical Sciences and Education, Stockholm, Sweden, President, Islet Society
• Prof. Ioana Mozos, Victor Babes University of Medicine and Pharmacy of Timișoara, Romania

Plenary session
11:30 - 13:30

“Theoretical and practical aspects of the use of biological markers in fundamental and applied medicine and biology”

Chairs: Prof. Ioana Mozos, Prof. Shahidul Islam

Genetic biomarkers for musculoskeletal injuries in Lithuanian athletes.
V. Ginevičienė, Department of Human and Medical Genetics, Faculty of Medicine, Institute of Biomedical Science, Vilnius University, Lithuania

Ischemia-modified albumin in experimental ovarian torsion.
C. Lazăr, “Nicolae Testemitanu” State University of Medicine and Pharmacy, Republic of Moldova

Klotho proteins as modern markers of diagnosis, prognosis, monitoring of the effectiveness of treatment of diseases of systems and organs.
S. Pavlov, State Medical University, Zaporozhye, Ukraine
Trace elements status as an effective biomarker in predictive and personalized medicine.
Sharipov K.O., Almuratov A. M., Batyrbaeva A.A., Asfendiyarov Kazakh National Medical University, Kazakh National University named after al-Farabi, Almaty, Kazakhstan

Positive association between gamma-glutamyl carboxylase gene rs2592551 polymorphism and large artery stroke
Ye.I. Dubovyk, Ye.A. Harbuzova, O.A. Obukhova Sumy State University, Ukraine

Radiation-mediated signaling pathways
T.R. Andriichuk, N.G. Raksha, L.I. Ostapchenko, ESC «Institute of Biology and Medicine», Taras Shevchenko National University of Kyiv, Kyiv, Ukraine

13:30 – 14:00 – Coffee break

Training
14:00 - 16:00

Molecular Genetic Markers (SNPs) in medicine and biology. Modern aspects of biological markers use in the diagnosis and monitoring of the effectiveness of treatment of diseases of systems and organs (from experimental to clinical research). Modern methods of data processing in scientific biomedical researches

Oxidized LDL biological markers of cardiovascular risk
Prof. Ioana Mozos, MD, PhD, Victor Babes University of Medicine and Pharmacy of Timisoara, Romania

16:00 – 16:20 – Coffee break

Utility of cardiac biomarkers in clinical heart failure care
Prof. Shahidul Islam, Karolinska Institutet, Department of Clinical Sciences and Education, Stockholm, Sweden, President, Islet Society
27 March 2018, Tuesday

Conference
(Oral abstracts and Poster session)
10:30 - 11:30

SECTION 1 Biological Markers of Clinical and Sportive Medicine.

Genetic Markers

Chairs: Prof. D. Petrovic, Prof. A. Berezin,
Prof. V.Yu. Harbuzova

Molecular genetic markers in ukrainian athletes.
S. Drozdovska, S. Goncharov, V. Dosenko, National University of Physical Education and Sport of Ukraine, Bogomoletz Institute of Physiology, National Academy of Science, Ukraine

Dermotropic effect of melanin on skin regeneration after injury.
O. Taburets, K. Dvorshenko, V. Vereschaka, T. Beregova, L. Ostapchenko, Educational and Scientific Center “Institute of Biology and medicine”, Taras Shevchenko National University of Kyiv, Ukraine

Association of apai polymorphism of gene vdr with the development of chronic generalized periodontitis.
I. H. Fomenko, O. Yu. Lopatka, V. Yu. Harbuzova, Sumy State University, Ukraine

The study of xpd gene polymorphism in workers of asbestos-cement plants in Ukraine.

Dynamics of plasma cytokines in patients with bladder cancer depends on tumorigenesis stages.
D. M. Oliinyk, T. V. Ishchuk, Taras Shevchenko National University of Kyiv, “Institute of Biology and Medicine”, Ukraine.
Fibrinogen and its complex plasma content under ischemic stroke with or without diabetes mellitus.
O. O. Kravchenko, The Educational and Scientific Centre “Institute of Biology and Medicine” of T. Shevchenko National University of Kyiv, Ukraine

Circulating non-classical endothelial progenitor cells in metabolically unhealthy obesity
T. A. Berezina, A. A. Kremzer, Clinical Pharmacology Department, Zaporozhye State Medical University, Private Hospital “Vita-Center Zaporozhye, Ukraine

Metabolites of nitric oxide as a marker of the syndrome of acute lung injury syndrome in newborns.
O. H. Buriak, V. V. Komarnitskiy, O. V. Pavliukovych, N. D. Pavliukovych, Higher State Educational Establishment of Ukraine «Bukovinian State Medical University», Ukraine

Peculiarities of acute non-q-wave myocardial infarction formation from a gender prospective.
I. V. Trefanenko, S. I. Grechko, Y. V. Kravchuk, Bukovinian State Medical University, Ukraine

Glucocorticoid function of adrenal glands in patients with coronary artery disease, diabetes mellitus Type 2 and anemia.
N. D. Pavliukovych, O. V. Pavliukovych, O. G. Buriak, Higher State Educational Establishment of Ukraine “Bukovinian State Medical University”, Ukraine

Peptides formed in the organism during pathological conditions as new biomarkers of diagnostics, correction and prevention of the metabolic disorders development.

Diagnostic value of biomarkers of acute myocardial infarction.
O. I. Zalyubovska, T. I. Tiupka, V. V. Zlenko, Yu. N. Avidzba, M. I. Litvinenko, A.O. Minaieva, Kharkiv National Medical University, National University of Pharmacy, Ukraine.
SECTION 2 Biological Markers of Experimental and Fundamental Medicine
Chairs: Prof. D. Petrovic, Prof. S. Pavlov

Influence of the selective estrogen receptor modulators on the expression and synthesis of HSP 70 proteins in cardiomyocytes of rats with experimental acute myocard infarction
S. Pavlov, K. Levchenko, Y. Nikitchenko, O. Kamyshniy, D. Robota, State Medical University, Zaporozhe, Ukraine

Intensification of surfactants synthesis under nocardia vaccinii IMV B-7405 cultivation on a mixture of glucose and glycerol
T. P. Pirog, T. A. Shevchuk, K. A.Beregova, L. V. Nikituk, Zabolotny Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, National University of Food Technologies, Ukraine

Features of the glutathione system functioning in the sciatic nerves in rats with toxic peripheral neuropathy related to the drug Kokarnit
S.M. Berehovyi, O.V. Durydivka, N.S. Nikitina, L.I. Stepanova, Kyiv National T. Shevchenko University, Educational and Scientific Center «Institute of Biology and Medicine», Ukraine

Problems of biological material using during normal human anatomy study in Ukraine
S.O. Dubyna, S.O. Turchenenko, Donetsk National Medical University, Ukraine

Biochemical parameters of the rats with esophageus burn treated with aqueous extract of Phaseolus Vulgaris Pods.
L. Ivashko, V. Dmytrik, Ya. Raetska, T. Shevchenko National University of Kyiv, Educational and Scientific Centre “Institute of Biology and Medicine”, Ukraine

Features of distribution of receptors to the wheat germ agglutinin (WGA) in the intercellular matrix of the menisci of rat knee joint after infratetal injection of antigens
Yu.Yu. Abrosimov, State Medical University, Zaporozhe, Ukraine
To the evaluation of citotoxicity of nanosized materials
N. Leonenko, State Institution “Institute for Occupational Health of the National Academy of Medical Sciences of Ukraine”, Ukraine

Study of fatigue in the dynamic of muscle contraction in rats with diabetes and after administration of Cocarnit
N. Nikitina, S. Beregovyi, D. Nozdrenko, L. Stepanova, T. Shevchenko National University of Kyiv, Ukraine

Tryptophan and serotonin levels under high-calorie diet consumption
A. Vasylaki, A. Yurchenko, T. Shevchenko National University of Kyiv, Educational and Scientific Centre “Institute of Biology and Medicine”, Ukraine

Antimicrobial effect of nanoceria in wound healing process
A. Amiri, T.V. Beregoava, T.O. Kondratiuk, Educational and Scientific Center “Institute of Biology and medicine”, T. Shevchenko National University of Kyiv, Ukraine

Cytokines as biomarkers of inflammation under obesity development and the influence of kidney bean (Phaseolus Vulgaris) pod extract on their content in animals blood.
A.Yurchenko, E. Pazhukova, D.Krenytska, T. Shevchenko National University of Kyiv, Educational and Scientific Centre “Institute of Biology and Medicine”, Ukraine

Features of the immune response in the experimental rhinitis and in the applying of gel “Imbirol”
S.I. Kryzhna, O.I. Zalyubovska, T.I. Tiupka, Yu.A. Kievska, Kharkov Medical Academy of Postgraduate Education, 2 Kharkiv National Medical University, National University of Pharmacy, Ukraine

11:30 – 12:15 – Lunch
Training
12:30 - 15:00

Molecular Genetic Markers (SNPs) in medicine and biology. Modern aspects of biological markers use in the diagnosis and monitoring of the effectiveness of treatment of diseases of systems and organs (from experimental to clinical research). Modern methods of data processing in scientific biomedical researches

Genetic polymorphisms as markers for carotid intimacy media thickness and carotid atherosclerosis.
Prof. D. Petrovic, University of Ljubljana, Ljubljana Institute of Histology and Embryology, Cardiology, Genetic Epidemiology, Ophthalmology

Biological markers of heart failure: view in the future
Prof. A. Berezin

15:00 - 16:00 – Master class by Section Editor, BBA Clinical (ELSEVIER). Standards of the scientific writing. Medical-biological publications in Scopus, Web of Science.
“How should scientists write the best articles? The main principles of “scientific literacy”

16:00 – 16:30 – Coffee break

Training
16:30 – 18:30

Discussion club. European standards and bioethical aspects of biomedical research.
Prof. D. Petrovic, Prof. I. Mozos, Prof. S. Islam
Conference
(Oral abstracts and Poster session)
10:00 - 11:30

SECTION 3 Biological Markers in Stomatology.
Chairs: Prof. D. Petrovic, Prof. I. Mozos, Prof. S. Pavlov

Condition of cellular immunity after complications of dental implantation.
U.D. Matolych, Danylo Halytsky Lviv National Medical University, Ukraine

Dynamics of the alkaline phosphatase bone isoenzym content in blood serum in patients with uncomplicated mandibular fractures.
S.V. Ushtan, L.Ye .Lapovets, V.M. Akimova, N.Ye. Lapovets, M.P.Zaletskyi, Kh.R. Pohranyncha, Danylo Halytsky Lviv National Medical University, Ukraine

Perspectives of genetic methods of study in dentistry
M. O. Kushnirenko, M. I. Khomyk, O. V. Litynska, Ivano-Frankivsk National Medial University, Ukraine

Indicators of immunity of oral fluid as markers of the condition of parodonta tissues.
Yu.Yu. Yarov, Donetsk National Medical University, Ukraine

11:30 - 12:15 - Coffee break

12:15 - 13:30 - Awards ceremony, Closing remarks, Closing ceremony.
Publishing center ESCBM,
Příkop 838/6, Zábrdovice, 60200 Brno, Česká republika.