Dear sir

International Hypoxia Problems Academy, National Academy of Sciences of Ukraine, invite You to participate in the VII International Symposium “Actual problems of biophysical medicine” which will take place in Kiev, in A.A.Bogomoletz Physiology Institute from 17.05 till 20.05.2012.

Chief of Organization committee
O.A. Krishtal

Address of Organization committee:
A.A.Bogomoletz Physiology Institute,
Bogomoletz st., 4
01024 Kiev-24,
Managing secretary Responsible:
Litovka Irina Georgievna

tel: (38044) 256-25-02; 256-24-95,
tel./fax: (38044) 256-24-95; 256-20-38,
E-mail: vadber@serv.biph.kiev.ua
litir@serv.biph.kiev.ua
levashov@serv.biph.kiev.ua

Topics:
- Molecular principles of cell reactivity
- Biophysical and biological aspects environmental sanogenetics influences on human and animal
- Biophysical diagnosis and treatment methods in clinical medicine
- Biophysical methods for valueology, sports and space medicine
- Space weather and human health
Chairman of the Organizing Committee:

Academician of European Academy of Sciences, National Academy of Sciences of Ukraine,
Prof. OA Krishtal

Executive Secretary of the Organizing Committee:

Dr. IG Lithuanian (Kiev)

Program Committee Members:

prof. V.A.Berezovsky
prof. M.I.Levashov
prof. I.N.Mankovskaya

Committee members:

Acad. RAMS, N. Aghajanian (Moscow)
Acad. National Academy of Sciences of the Kyrgyz Republic AA Aidaraliev (Bishkek)
Acad. V.M.Baranov RAMS (Moscow)
Acad. NAS N.S.Veselovsky (Kiev)
Acad. NAS AA Moibenko (Kiev)
Acad. NAS and AMS of Ukraine Y. Kundiev (Kiev)
Acad. NAS IS Magura (Kiev)
Corr. NAS VF Sagach (Kiev)
prof. GV Belov (Bishkek)
prof. VA Berezovsky (Kiev)
prof. V.A.Bernshteyn (Boston)
Professor. B. Valenzi (Lugano CH)
prof. EA Dotsenko (Minsk)
D., Professor. M.Pokorsky (Warsaw)
doctor of TN. OP Fedorov (Kiev)
WORK PROGRAMME
5/17/12,
the I session - 10.00-13.00
Opening of the Symposium

Conference Hall of the Institute of Physiology named by A.A. Bogomoletz (Bogomoletz Street, 4, high-rise building in the yard)

Chairs: Acad. NAS O. Krishtal, Acad. NAS A.A.Moybenko, Acad. NAS I.S. Magura, prof. VA Berezovsky

Opening Remarks - Acad. NAS and AMS of Ukraine Y. Kundiev.
Greetings from: - National Space Agency of Ukraine - Director of the Institute for Space Studies O. Fedorov

1.1. Mechanisms of adaptation of integrative functions of the neuron to the conditions of hypoxia. Magura, I.S.

Institute of Physiology named by A.A. Bogomoletz, National Academy of Sciences of Ukraine, Kiev.

1.2. Preliminary data on some development on biophysics and medicine. Vincenzo Valenzi ISREP / LIUM Bellinzona Switzerland.

1.3. Membrane and molecular components to ensure high functionality of the body. Aidaraliev A.A., Yakovlev, V. International University of Kyrgyzstan, Bishkek.

1.4. Water - the physico-chemical basis of the new paradigm of medicine. Slesarev V.I. Northwestern State Medical University. Mechnikov, St. Petersburg, Russia.

1.5. Features of development of oxidative stress in tumor processes. Shcherbatyuk T.G. Nizhny Novgorod State Medical Academy, Nizhny Novgorod, Russia.

1.6. Aspects of health caused by detoxification enzymes in the population of the central region of Ukraine, the peculiarities of bronchial asthma. Yakovlev A.A., A.A. Zhamba, Doroshevich I.A.

Vinnitsa National Medical University named by N.I.Pyrohov, Vinnitsa.

5/17/12, the
Session II - 15.00-18.00
Conference Hall of the
Institute of Physiology. AA
Bogomoletz

Chairmen: prof. Apanasenko G.L.,
prof. Slesarev V.I.

2.1. The principles of organization of
nanostructured functional systems of
biological tissues.
Vasina A.A., Paton B.E.
Institute of Theoretical and
Experimental Biophysics, Pushchino
Research Center "Kurchatov Institute",
Moscow, Institute of Electric named
by Paton, NAS of Ukraine.

2.2. Individual health as a control
object.
Apanasenko G.L.
NMAPE named by Shupyk, Kiev.

2.3. High-frequency acoustic emission
as a physical mechanism for
communication with the effect of
electro-resonance diagnostics.

2.4. Dopler shear elastography of soft
tissues.
Marusenko A.I., E.A. Barannik
"Radmir" DPPAO "AONIIRI",
Kharkov.

2.5. Experience of using ultrasound
densitometry in health care workers
with the pathology of the
cardiovascular system..
Bridged S.E., Dynnik O.B.,
Berezovsky V.A.
Institute of Physiology named by A.A.
Bogomoletz, Kiev, Medical Research
and practical association "Medbud",
Kiev.

2.6. Biophysical basis of non-invasive
monitoring of motor activity in
humans.
Alexanian Z.A., Romanov S.P.
Institute of Human Brain FGBUN
named by N.P.Behtereva, Academy of
Sciences, Institute of Physiology

FGBUN named by Pavlov, Academy
of Sciences, Russia.

Poster Session: Butskaya L.V., N.V.
Chukhrai, Samosyuk N.I., Chuhraeva
O.M., Zhelezo O.V., I.S. Pachevsky
(Kiev), Fedotcheva T.A., Rzheznikov
V.M., Kruglov A.G., V.V. Teplova,
Fedotcheva N.I., Szymanowski N.L.
(Moscow, Pushchino).

5/18/12, the
Session III - 10.00 -13.00
Conference Hall of the Institute of
Physiology named by A.A.Bogomoletz
(Bogomoletz Street, 4, in the yard)

Chairmen: prof. Levashov M.I., prof.
Savilov P.N.

3.1. The principle of "dose-effect" in
biophysical medicine.
Berezovsky V.A.
Institute of Physiology named by
Bogomolets, National Academy of
Sciences of Ukraine, Kiev.

3.2. Genetic mechanisms of adaptation
to hypoxia.
Savilov P.N.
Tambov State Technical University,
Tambov, Russia.

3.3. Effect of modified atmosphere on bone metabolism.
Litovka I.G.
Institute of Physiology named by A.A. Bogomoletz, Kiev

3.4. Hypoxia causes periodic changes in the phase of respiration and energy metabolism.
Portnichenko V.I., V.I. Nosar,
Drevitskaya T.I., Portnichenko A.G.,
Sidorenko A., Mankovskaya I.N.
International Centre for Astronomical and Medico-Ecological Research of NASU, Institute of Physiology,
National Academy of Sciences of Ukraine, Kiev.

3.5. Intermittent hypoxia and sport medicine: reality and perspectives.
Serebrovskaya T.V.
Bogomoletz Institute of Physiology,
Kiev.

3.6. Effect of different feeding regimes influence the normobaric hypoxia on oksiprolin contents in the lungs of young and adult rats.

Chuck O.
Institute of Physiology Bogomolets NAS of Ukraine, Kyiv.

3.7. Dosed normobaric hypoxia increases the activity of the thyroid gland of young rats.
Janko R.
Institute of Physiology named by Bogomoletz, National Academy of Sciences of Ukraine, Kiev.

3.8. The influence the normobaric hypoxsyotherapy the quality of life of children with cerebral palsy.
V. Martynyuk, Nazar A.

Bogomoletz (Bogomoletz Street, 4, in the yard)


4.1. Stress, epigenetics and behavior.
Rozanov V.A.
Institute of innovative and postgraduate education of Odessa National II Mechnikov University, Odessa.

4.2. Methods of ultrasound elastography of soft tissues.
Barannik E.A., A.I. Marusenko
KNU named by V.N. Karazin,
"Radmir" DPPAO "AONIIIRI", Kharkov.

4.3. Electrical resistance sections of human skin at different frequencies.
Gorgo Yu.P., Lyabah M.O., Osipovich T.
National Technical Institute of Ukraine "KPI", Kyiv.

4.4. Bioelectric properties undergoing bone
Levashov M.I., Safonov S.L.

Poster Session: Litovka I.G.,
Veselsky S.P., T.M. Zamorska
(Kyiv), Yatsenko K. V., Berezovskii
V. A. (Kiev), Plotnikov L.N.,
Berezovsky V.A. (Kiev), Lisuha
L.M. (Kyiv)

5/18/12, the
Session IV - 15.00-18.00
Conference Hall of the Institute of Physiology named by A.A.
4.5. The dispersion mapping - a new campaign to biophysical assessment of the electrical activity of the myocardium.
Dynnik O.B., Mostovoy S., Berezovsky V.A., Tsybin I.N., N.V.
Timofeeva
Institute of Physiology named by Bogomolets, National Academy of Sciences of Ukraine, Medical NGO "Medbud", Kiev, NPF "BIOSS" Zelenograd.

4.6. Metod biomikry as a way to increase the body's tolerance to the implant material of inorganic origin.
T.A. Alekseeva, Gomolyako I.V., Lazarenko O.N., Oshkaderov S.P.
Institute of Metal named by G.V. Kurydumov, National Academy of Sciences of Ukraine, Kiev, Institute of Transplantation and Surgery named by A.A. Shalimov, AMS of Ukraine, Kiev, NMAPE named by A.L. Shupik MOH of Ukraine, Kiev.

4.7. Personality traits in the reaction of the autonomic nervous system to the application of ozokerite and the possibility of forecasting.
Popovych I.L., Popovych A.
Institute of Physiology named by Bogomolets, National Academy of Sciences of Ukraine, Kiev.

Lazaretnik B.Sh., Daniel A.
Interdisciplinary Health Research and Engineering Center, Kiev, National Medical Academy of Postgraduate Education named by Shupyk, Kiev.

Poster Session:
Fedotcheva N.I.
Zakharchenko A.V.
Zakharchenko M.V.,
Kondrashova
M.N.(Pushchino),
Temuryants N.A., Kostyuk A.S., Tumanyants K.N., N.S.
Yarmolyuk (Simferopol).

05/19/2012, the 5th Meeting - 10.00-13.00
Conference Hall of the Institute of Physiology. AA Bogomoletz
Chairmen: prof. G.V. Belov, prof. Martynyuk V.S.

5.1. The change of surface activity and lipid peroxidation in exhaled breath condensate in the rehabilitation of sickly children in the medium-resort.
G.V. Belov, M.F. Altana, OB Bakalaeva
Kirghiz-Russian Slavic University,
Bishkek, Kyrgyzstan.
Republican Children's Clinical Sanatorium "Alatau", Almaty, Kazakhstan,
Kirghiz Institute of Balneology and Rehabilitation, Bishkek, Kyrgyzstan.
TS Miller, JO Kompaniets
Cherkasky natsionalny universitet im. Bohdan Khmelnytsky, Cherkasy.

5.3. Effect of extremely low frequency magnetic fields on the functional properties of muscle tissue.
Martynyuk VS, Tsymbalyuk OV
Tseysler YV, OV Shelyuk
Kyiv National University named by Taras Shevchenko Kyiv.

5.4. Microelementology in reconstructive medicine.
Weeds AA Oshkaderov SP, AV Pavlenko, O. Strebkova
National Medical Institute.
Bogomolets, Institute of Metal Physics.G.V.Kurdyumova NASU,
Institute of Dentistry NMAPE them. Shupyk MOH.

5.5. Elastically properties of the liver tissue of healthy rats in vitro and in vitro according to the ultrasound elastometry.
Dynnik OB, Kobylyakov NN
Barannik EA Litovka I., Yanko R.

5.6. Modern approaches to comprehensive assessment of adaptive capacity in the correction of oxidative damage.
Yeliseyev AP, Kaminsky D., Simon H.O., Sirota TV, Ostrovskaya GV,
Rybalchenko VK Nektyehayev IO, OD Luchyk
National Medical University .. D. Chee, Lviv. Institute of Theoretical and Experimental Biophysics,
Pushchino, Russia, the National University. Taras Shevchenko Kyiv.

5.7. Matric layered effect of implants in the formation of ordered cytoarchitectonic regenerating tissues.
Petrash VV Nikityuk IE, Kubasov VA Shtrupp BM, Ilyina, LV
Institute of Industrial and Marine Medicine, Federal Medical-Biological Agency, Moscow, Research Institute of Children's Orthopedic Institute.

5.8. Influence of acute hypoxia on the system of proteolysis in the basal ganglia of the brain in the pineal gland hypofunction.
Sopova IY, Overseas II
Bukovina State Medical University, Chernivtsi.

5/19/12, the
VI session - 15.00-18.00
Conference Hall of the
Institute of Physiology. AA
Bogomoletz

Chairmen: prof. Koltover VK, Dr. Litovka IG

6.1. Fluctuations in atmospheric pressure and suicidal injuries.
Didyk LA, Gorgo Yu.P., Prigantsova A.
Institute of Physics, National Academy of Sciences of Ukraine, National Technical University of Ukraine "KPI", Institute of Geophysics of the Slovak Academy of Sciences, Slovakia.

6.2. Free radical theory of aging: from BHT to resveratrol.
Koltover VK
Institute of Problems of Chemical Physics, Russian Academy of Sciences, Chernogolovka, Moscow Region.

6.3. Influence of low-frequency fluctuations of atmospheric pressure and geomagnetic field on the vital activity of bloobjects.
Gorgo Yu.P., Peťko B., Didyk L.A.
National Technical University of Ukraine, Medical - Engineering Faculty, Ukraine.
Parasitological Institute, Slovak Academy of Sciences, Košice, Slovakia.
Institute of Physic National Academy of Sciences, Ukraine

6.4. Electromagnetic foundations of life.
Limansky JP

6.5. Studying of person adaptation to chronic exposure to electromagnetic radiation of a mobile phone and its influence on the activity change of acetylcholinesterase in human erythrocytes.
Rybalko S., Yashchenko S., Shlapak M., Butirskaya I.
Crimean State Medical University named after S. I. Georgievsky, Simferopol.

6.6. Information and communication technologies in large-scale biophysical project "Geliomed"
Vishnevsky VV, MV Ragulsky
Institute of Mathematical Machines and Systems, Kyiv, Ukraine
Institute of Terrestrial Magnetism and Radio Wave Propagation, Troitsk, Russia.

6.7. Some aspects of the relationship between physiological processes of regeneration and metabolism in children of all school age.
Semenyaka DM, Miller TA
Cherkasy National University. Bohdan Khmelnytsky, Cherkasy.

Adoption of a resolution closing the symposium

20/05/12
The cultural program.