



October 15-17, 2018, Moscow, Russia

The 3rd International Symposium on “Physics, Engineering and Technologies for Biomedicine”

The 3rd *International Symposium on «Physics, Engineering and Technologies for Bio-Medicine»* is organized following the successful 1st and 2nd International Symposium on “Physics, Engineering and Technologies for Bio-Medicine”, held in Moscow at the occasion of the foundation of the Institute PhysBio at MEPhI (Russia).

Under the auspices of the Russian Ministry of Science and Education, the Ministry of Health and the State Company Rosatom, the 3rd Symposium is again organized by the Institute of Engineering Physics for Biomedicine (PhysBio) of the National Research Nuclear University MEPhI (Moscow Engineering Physics Institute) in close collaboration with non-profit partnership «Kaluga pharmaceutical cluster».

The Symposium aims at bringing together leading scientists and experts in nuclear medicine, biophysics, bio-photonics, and emerging fields to present their works and having invited lectures.

The Symposium provides a unique opportunity for fruitful scientific discussions and for establishing contacts with scientists all over the world.

Key note lecture: *Marco Durante*, director of the Biophysics Department at the GSI Helmholtz Center, Darmstadt, Germany.

In the framework of the Symposium, the *Workshop «Perspectives on Nuclear Nanomedicine»* will be held 13 October 2018.

The 3rd *International school for medical doctors and young scientists “Physics, Engineering and Technologies for Biomedicine”* will be held 14 October 2018. Special lectures for medical doctors, students and young scientists will be organized from 10:00 to 17:00.

After the Symposium, you have the opportunity to visit the laboratory of PhysBio MEPhI in Moscow and Obninsk. Excursions will be held on 18 October 2018.

The format of the Symposium – **invited lectures and poster session.**

The Poster session is foreseen. Students and young scientists will have the opportunity to showcase aspects of their work as part of a poster exhibition.

Please note the following important information about the Symposium:

The official language of the Symposium is English.

Location: The Intourist Kolomenskoe, Kashyrskoye shosse, 39b, Moscow

Deadline for abstract submission: September 23, 2018

Deadline for registration: October 1, 2018

Welcome reception: 7 p.m. on October 15, 2018

Please note the following important information about the School:

The official language of the School is English and Russian.

Location: The Intourist Kolomenskoe, Kashyrskoye shosse, 39b, Moscow

Deadline for registration: October 5, 2018

More detailed information on the Symposium and the School organizations are available on the following webpage: <http://physbio.mephi.ru/symp18/> If you have any questions, please, use the following e-mail: PhysBioSymp@mephi.ru

Symposium Co-Chairs

Mikhail N. Strikhanov, MEPhI, Moscow, Russia

Paras Prasad, University of Buffalo, New York, USA

Program-Committee Co-Chairs

Andrei V. Kabashin, CNRS, Aix-Marseille University, France

Oleg B. Loran, S.P. Botkin City Clinical Hospital, Department of Urology and Surgical Andrology of the Russian Medical Academy of Post-Graduate Education, Moscow, Russia.

Organizing-Committee Chair

Chair: Irina N. Zavestovskaya, PhysBio of MEPhI, P.N. Lebedev Physical Institute of RAS, Moscow, Russia

Vice-chair: Andrey Postnov, MEPhI, Moscow, Russia

Scientific Secretary

Yurii A. Aleshchenko, PhysBio of MEPhI, P.N. Lebedev Physical Institute of RAS

International Program Advisory Committee

Walter Blondel, Université de Lorraine, Nancy, France

Vladimir I. Chernov, Department of Radiologic Diagnosis of the Tomsk Research Institute of Oncology, Tomsk, Russia

Sergey M. Deyev, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, MEPhI, Moscow, Russia

Boris I. Dolgushin, Research Institute of Clinical Oncology of N.N. Blokhin Cancer Research Center, Moscow, Russia

Marco Durante, director of the Biophysics Department at the GSI Helmholtz Center, Darmstadt, Germany

Dmitry K. Fomin, Nuclear Medicine Clinic of the Russian Scientific Center of Radiology and Nuclear Medicine of the RF Ministry of Health, Head of the Society of Nuclear Medicine, Moscow, Russia

Hans H. Gutbrod, GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt, Germany and MEPhI, Moscow, Russia

Roger Kamm, Massachusetts Institute of Technology, USA

Andrey D. Kaprin, Herzen Moscow Oncology Research Institute, Moscow, Russia

Anatoly V. Karalkin, Nuclear Medicine Clinic of N.I. Pirogov State Clinical Hospital No. 1, Moscow, Russia

Aleksandr A. Khasin, NRS Kurchatov Institute, Director of LLC Nuclear Medicine Development Center, Moscow, Russia

Galina E. Kodina, A.I. Burnazyan Federal Medical Biophysics Center, Department of Pharmaceutical and Radiopharmaceutical Chemistry, Moscow, Russia

Vitali I. Konov, A.M. Prokhorov General Physics Institute of RAS, PhysBio of MEPhI, Moscow, Russia

Valentina V. Kosenko, Federal Service for Surveillance in Healthcare (Roszdravnadzor)

Eduard V. Kotlyarov, FACNM, FACR, International Radiology and Nuclear Medicine, USA

Oleg N. Krokhin, P.N. Lebedev Physical Institute of RAS, MEPhI, Moscow, Russia

Yurii B. Lishmanov, Research Institute of Cardiology, Laboratory of Radionuclide Research Techniques, Tomsk, Russia

Hans-Peter Meinzer, Department Medical and Biological Informatics E130, DKFZ, Heidelberg, Germany

Oleg S. Medvedev, Department of pharmacology, Faculty of Fundamental Medicine, Lomonosov Moscow State University

John Mendelsohn, The University of Texas MD Anderson Cancer Center, USA

Igor R. Nabiev, University of Reims Champagne-Ardenne, France, LNBI, MEPhI, Moscow, Russia

Rainer Rienmuller, Radiology of Medical University of Graz, European Society of Cardiac Radiology, Austria

Sergey A. Rumiantsev, Department of Innovation development and Scientific Engineering, Ministry of Healthcare of the Russian Federation, Moscow, Russia

Nidal Salim, Center of beam therapy of The European Medical Center, Moscow, Russia

Marc Sentis, CNRS, Aix-Marseille University, France

Sergey V. Shestakov, Genetics Department, Biological Faculty of the M.V. Lomonosov Moscow State University, Moscow, Russia

Rudolf Steiner, Institut für Lasertechnologien in der Medizin (ILM), Universität Ulm, Germany

Sergey V. Suchkov, Sechenov University, MEPhI, Moscow, Russia

Gleb Sukhorukov, Queen Mary University of London, UK

Maksim V. Zabelin, Deputy Head of Federal Biomedical Agency, Moscow, Russia

Organizing Committee

Yurii A. Aleshchenko, PhysBio of MEPhI, P.N. Lebedev Physical Institute of RAS, Moscow, Russia

Yuri N. Anokhin, MEPhI, Moscow, Russia

Vladimir N. Belyaev, MEPHI, Moscow, Russia

Vladimir G. Bychenko, Research Center of Obstetrics, Gynecology and Perinatology, Ministry of Healthcare of the Russian Federation, Moscow, Russia

Philippe Delaporte, Aix -Marseille University, France

Marco Durante, Department of Biophysics at the GSI Helmholtz Center, Darmstadt, Germany

Natalia B. Epshtein, PhysBio of MEPHI, Moscow, Russia

Elena V. Gromushkina, MEPHI, Moscow, Russia

Igor A. Gulidov, Department of beam therapy of the A.F. Tsiba Radiological Medical Scientific Center, Obninsk, Russia

Hans H. Gutbrod, GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt, Germany and MEPHI, Moscow, Russia

Evgeniy V. Khmelevskiy, Department of beam therapy of Herzen Moscow Oncology Research Institute, Ministry of Healthcare of the Russian Federation, Moscow, Russia

Sergey M. Klimentov, PhysBio of MEPHI, Prokhorov General Physics Institute of RAS, Moscow, Russia

Victor B. Loschenov, A.M. Prokhorov General Physics Institute of RAS, PhysBio of MEPHI, Moscow, Russia

Vladimir Lysenko, CNRS, INL, National Institute of Applied Sciences (INSA de Lyon), France

Valentin G. Nikitaev, MEPHI, Moscow, Russia

Vasyli M. Petriev, Laboratory of Experimental Nuclear Medicine, Medical Radiological Research Center, Ministry of Health, Moscow, Russia

Viktoria O. Shipunova, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, MEPHI, Moscow, Russia

Sergey V. Shiryayev, Department of Radiologic Diagnosis of the N.N. Blokhin Cancer Research Center, President of the Oncological Society of Molecular Imaging, Moscow, Russia

Dmitry V. Sosin, PhysBio of MEPHI, Moscow, Russia

Victor Yu. Timoshenko, M.V. Lomonosov Moscow State University, PhysBio of MEPHI, P.N. Lebedev Physical Institute of RAS, Moscow, Russia

Igor E. Tyurin, Department of Radiodiagnostics and Medical Physics of the Russian Academy of Post-qualifying Education, Moscow, Russia

Secretary of the Local Organizing-Committee

Maria S. Grigoryeva, PhysBio of MEPHI, P.N. Lebedev Physical Institute of RAS, Moscow, Russia

Local Organizing-Committee

Yulia A. Akmalova, PhysBio of MEPHI, Moscow, Russia

Anna V. Evsovich, PhysBio of MEPHI, Moscow, Russia

Anastasia A. Fronya, MEPhI, P.N. Lebedev Physical Institute of RAS, Moscow, Russia
Nikita V. Karpov, PhysBio of MEPhI, Moscow, Russia
Anna V. Vishivanyuk, PhysBio of MEPhI, Moscow, Russia
Olesia V. Rodionova, PhysBio of MEPhI, Moscow, Russia
Daria A. Gaponova, PhysBio of MEPhI, Moscow, Russia
Alexey N. Maiorov, PhysBio of MEPhI, Moscow, Russia