

# The First International Symposium "Physics, Engineering and Technologies for Bio-Medicine"

October 20-23, 2016, Moscow, Russia.

E-mail: [PhysBioSymp16@mephi.ru](mailto:PhysBioSymp16@mephi.ru)



**The Symposium is aimed to meet the leading scientists and experts in nuclear medicine, biophysics, biophotonics, and emerging fields to present their works and to give lectures**

## Symposium co-chairs:

**Mikhail Strikhanov**  
Russia  
**Paras Prasad, USA**

## Program-Committee

### Co-Chairs:

**Andrei Kabashin**  
France  
**Oleg B. Loran, Russia.**

## Organizing committee

### chair:

**Irina Zavestovskaya**  
Russia

## Conference topics :

- **Diagnosis methods, today and in the future**
- **Isotopes for medical purpose**
- **Brachy-, Proton and Ion therapy methods**
- **Immuno-therapy**
- **Nanomaterials for biomedical applications**
- **Bioimaging technologies and materials**
- **Advanced materials and methods for MRI and PET**
- **Plasma and laser technologies for biomedicine**
- **Medical-biological aspects of radiation effects**
- **Bio-photonics for diagnosis and therapy**

**MEPhI organizes special lectures for students at October 19<sup>th</sup> from 9:00 till 17:00**

## Invited speakers:

**Dimiter L. Balabanski**, Nuclear Physics IFIN-HH Marurele, Bucharest, Romania  
**Vladimir I. Chernov**, Tomsk Research Institute of Oncology, Tomsk, Russia  
**Juergen Debus**, Heidelberg Ion Therapy Centre HIT, Germany  
**Boris I. Dolgushin**, Research Institute of Clinical Oncology of the N.N. Blokhin Cancer Research Center, Moscow, Russia  
**Dmitry K. Fomin**, Nuclear Medicine Clinic of the Russian Scientific Center of Radiology and Nuclear Medicine, Moscow, Russia  
**François Guérard**, CRCNA, GIP Arronax, France  
**Thomas Haberer**, Heidelberg Ion Therapy Centre HIT, Germany  
**Andrei V. Kabashin**, CNRS, Aix-Marseille University, France  
**Andrey D. Kaprin**, Herzen Moscow Oncology Research Institute, Russia  
**Anatoly V. Karalkin**, Nuclear Medicine Clinic of N.I. Pirogov State Clinical Hospital No. 1, Moscow, Russia  
**Valery V. Krylov**, The A.F. Tsyb Medical Radiological Research Center, Obninsk, Russia  
**Victor B. Loschenov**, Prokhorov General Physics Institute of RAS, PhysBio, MEPhI, Moscow, Russia  
**Vladimir Lysenko**, CNRS, INL, INSA de Lyon, France  
**Igor Meglinski**, University of Oulu, Finland  
**Hans P. Meinzer**, Department of Medical and Biological Informatics E130, Heidelberg, Germany  
**Igor R. Nabiev**, University of Reims Champagne-Ardenne, France; LNBI, MEPhI, Moscow, Russia  
**Valentin G. Nikitaev**, PhysBio, MEPhI, Moscow, Russia  
**Igor N. Pronin**, Research Institute of Neurosurgery, Russia  
**Paras Nath Prasad**, University at Buffalo, USA  
**Michael Scholz**, GSI Helmholtz Centre for Heavy Ion Research, Germany  
**Sergey V. Shestakov**, M.V. Lomonosov Moscow State University, Russia  
**Sergey V. Shiryaev**, N.N. Blokhin Cancer Research Center, Russia  
**Rudolf Steiner**, ILM, Universität Ulm, Germany  
**Gleb Sukhorukov**, Queen Mary University of London, UK  
**Viktor Y. Timoshenko**, M.V. Lomonosov Moscow State University, PhysBio, MEPhI, Moscow, Russia  
**Igor I. Vlasov**, Prokhorov General Physics Institute of RAS  
**Raisa I. Yakubovskaya**, Herzen Moscow Oncology Research Institute, Russia  
**Andrey Zvyagin**, Macquarie University, Sydney, Australia

**Conference papers are planned for publication at IOP Conference Series**

## Important dates:

**October 16, 2016 - Deadline for registration and abstract submission**

## Organized by :

- The Ministry of Education and Science of the Russian Federation
- The Ministry of Health of the Russian Federation
- The State Company Rosatom
- National Research Nuclear University MEPhI



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