



ELN LeukemiaNet[®]
European



IX Raisa Gorbacheva Memorial Meeting

Hematopoietic Stem Cell Transplantation. Gene and Cellular Therapy

September 18–20, 2015
Sochi, Russia

ORGANIZERS

- First Pavlov State Medical University of Saint Petersburg, Raisa Gorbacheva Memorial Research Institute for Pediatric Oncology, Hematology and Transplantation, St. Petersburg, Russia
- Federal State Budgetary Institution «Research Institute of Medical Primatology» under the Russian Academy of Medical Sciences, Sochi, Russia
- European LeukemiaNet, Mannheim, Germany
- Foundation for Development of Bone Marrow Transplantation, St. Petersburg, Russia

VENUE

The RADISSON Hotel

Adler district, 35 Olympiyskaya street, Estosadok district of The Adler Region – 354392 - Sochi - Rosa Khutor

Tel.: +7 (862) 243 1377

web-site: <http://www.radisson.ru/hotel-rosakhutor>

WORKING LANGUAGES

- Russian
- English

Simultaneous translation will be provided

ORGANIZING COMMITTEE

Honorary organizing committee

GORBACHEV Mikhail, Moscow, Russia

BAGNENKO Sergey, St. Petersburg, Russia

HEHLMANN Rüdiger, Mannheim, Germany

International organizing committee

AFANASYEV Boris, St. Petersburg, Russia

ORLOV Sergey, St. Petersburg - Sochi, Russia

ZANDER Axel, Hamburg, Germany

WAGEMAKER Gerard, Rotterdam, the Netherlands

PORKHANOV Vladimir, Krasnodar, Russia

ZUBAROVSKAYA Ludmila, St. Petersburg, Russia

MIKHAILOVA Natalia, St. Petersburg, Russia

KULAGIN Alexander, St. Petersburg, Russia

ALYANSKIY Alexander, St. Petersburg, Russia

CHUKHLOVIN Alexey, St. Petersburg, Russia

MARKOVA Inna, St. Petersburg, Russia

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Dear participants in the IX International Symposium “Hematopoietic stem cell transplantation. Gene and cellular therapy” in memory of R. M. Gorbacheva,

Dear friends!

Ladies and gentlemen!

It is a great honor for me to welcome you at the Symposium devoted to the memory of Raisa Gorbacheva.

The idea to arrange the Raisa Gorbacheva Memorial Research Institute of Childhood Oncology, Hematology and Transplantation has been proposed by Mikhail Sergeevich Gorbachev nine years ago and proved to be quite creative. The Institute is developing stably and rapidly.

In many aspects, international cooperation and, especially, the annual Memorial R.Gorbacheva Symposium are largely promoting our activity.

Educational events at the Symposium represent its important task, being of special significance for hematopoietic stem cell transplantation, due to rapid developments and changes in this field.

I would like to express my deep appreciation to all the lecturers and contributors. Your scientific merits and knowledge allowed involving over 300 participants from all regions of Russia and other countries.

These regular symposia have substantially changed the standards of knowledge among clinical hematologists and researchers who are working in the field of hematopoietic stem cell transplantation. There is a significant progress in this area of medicine. The numbers of patients undergoing hematopoietic transplantation in Russia are steadily growing now, and the outcomes are, generally, corresponding to international rates.

Over last years, allogeneic transplantation from alternative donors became a routine practice for some Russian clinics, e.g., transplantation from unrelated compatible, haploidentical donors, and cord blood cell grafting.

The database of Russian bone marrow donors is rapidly expanding. More than 1500 allogeneic unrelated transplantations were performed in Russian clinics including around 60 from unrelated Russian donors.

This time, the Symposium is preformed in Sochi which is located in the South-Western Region of Russia, at the Black Sea Coast. Nowadays, the Sochi Region is an internationally known, all-season health resort, the venue for successfully performed XXII Winter Olympic Games, Russian Grand Prix of the *Formula One* Race and various international forums and events.

Sochi itself has immediate connections to hematology, oncology and virology, since the city is a location place for the Research Institute of Primatology at which different issues of carcinogenesis, leukemia and virology have been studied. For many years, Academician B.A.Lapin headed this Institute.

Let me wish you a successful work and new creative contacts at the ongoing Symposium and.

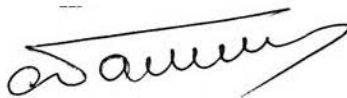
Boris V. AFANASYEV

First State Pavlov Medical University
of St. Petersburg



Sergej F. BAGNENKO

First State Pavlov Medical University
of St. Petersburg



Dear Professor Afanasyev, dear colleagues and guests

The European Leukemia Net congratulates you to another remarkable symposium on leukemia and transplantation.

Leukemia treatment and transplantation both have made progress over the past year: New disease subentities have been defined and the indications for transplantation are more clearly seen both in acute and chronic leukemias. This symposium will update us on what the progress is and where exactly the progress has been made.

From its inception Prof. Afanasyev has succeeded to make the Raissa Gorbachova Memorial Meeting a truly international endeavor. I had the privilege to attend the symposium over the years.

The start of the symposium was linked to the Wilsede meetings and the long lasting cooperation with Hamburg University, which brought mutual benefit to all participating groups. It also created trust and formed enduring friendships among the scientists involved.

In this spirit the symposium always emphasized not only scientific, but also cultural aspects. It introduced the participants to the rich Russian culture and tradition, which is particularly visible in St. Petersburg. But also the selections of venues in Astana 2013 and Sochi this year are appreciated since they demonstrate modern developments in Russia and close neighbours.

The European Leukemia Net appreciates the Russian cooperation in various European projects, one of which, the EUTOS for CML registry, has recently been completed successfully. Other projects are ongoing. The European Leukemia Net is proud to have the cooperations of the colleagues from St. Petersburg.

Dear Professor Afanasyev, I wish the IX Raissa Gorbachova Memorial Meeting as good a success as that of the earlier ones and hope for many more symposia to come in the future.

Rüdiger HEHLMANN,
Chair European Leukemia Net



Dear Participants in Symposium

Dear Friends

I am happy to welcome the participants in this outstanding scientific event integrating the specialists, clinicians and researchers who have devoted their professional activities to hematology and cell transplantation.

It is my pleasure to realize that the Institute named after R.M. Gorbacheva is developing rapidly, and now it is among leaders in the field not only in Russia but abroad as well.

It is important that the Institute clinics provide treatment for the patients from all the Russian regions, like as from other countries. The results of its activities, with regard of transplantation quality and efficiency, are comparable to the results achieved at the leading specialized clinics in Europe and USA.

There is known that the Institute is actively training specialists in Hematology and Bone Marrow Transplantation. A number of PhD and MD Theses are prepared here. The Institute is among the leading Russian educational centers in Hematology, Transplantation, and Oncology.

The Institute is incorporated into the system of multicentric cooperation, with a series of local international symposia held every year. A number of young doctors undergo training in abroad, at the British and German clinics.

I know about great support offered to the Institute on the part of St.Petersburg State Medical University and it's Rector, Academician S.F.Bagnenko. The Russian Healthcare Minister V. I. Skvortsova highly praised clinical activities at the Institute.

Due to selfless work of doctors, nurses, and entire clinical staff at the Institute of Children Hematology and Transplantation, an increasing number of patients with severe disorders get their chance for reliable cure.




I know that a smile of a recovering child is the highest reward for medical staff. I wish you, therefore, to become the "prize winners" of this kind.



I wish much success, health and welfare to all the participants in this Symposium.

Your



Mikhail GORBACHEV

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| 08.00 – 08.30 | Registration of participants | |
| 08.30 – 08.35 | Welcome speech AFANASYEV Boris (St. Petersburg, Russia) | |
|  | How to prevent thrombotic complications in paroxysmal nocturnal hemoglobinuria? Clinical cases. Chairpersons: AFANASYEV Boris (St. Petersburg, Russia) JOKIRANTA T. Sakari (Helsinki, Finland) | |
| 08.35 – 08.40 | AFANASYEV Boris (St. Petersburg, Russia) | Introduction speech |
| 08.40 – 09.10 | JOKIRANTA T. Sakari (Helsinki, Finland) | Complement-mediated thrombosis: relationships between the complement system and coagulation |
| 09.10 – 09.35 | KULAGIN Alexander (St. Petersburg, Russia) | Clinical evaluation and management of patients at risk of thrombotic complications in PNH |
| 09.35 – 10.00 | VINOGRADOVA Maria (Moscow, Russia) | Pregnancy in PNH. Clinical cases |
|  | Patient with neutropenia: what a hematologist has to know Chairperson: NOVICHKOVA Galina (Moscow, Russia) MASCHAN Alexey (Moscow, Russia) | |
| 10.00 – 10.25 | NOVICHKOVA Galina (Moscow, Russia) | Prophylaxis of infectious complications in patients with neutropenia |
| 10.25 – 10.45 | SOLOPOVA Galina (Moscow, Russia) | Prophylaxis of hospital infections and protocols of empirical antibacterial therapy |
| 10.45 – 11.10 | POPOVA Marina (St. Petersburg, Russia) | Febrile neutropenia in patient with hemato- logical disorders: the physician's strategy |
| 11.10 – 11.20 | Coffee break | |
|  | Role of intravenous immunoglobulins in post-HSCT period of patients management Chairperson: MASCHAN Alexey (Moscow, Russia) NOVICHKOVA Galina (Moscow, Russia) | |
| 11.20 – 11.50 | BALASHOV Dmitry (Moscow, Russia) | IVIG usage in pediatric patients after HSCT |
| 11.50 – 12.20 | CHALANDON Yves (Geneva, Switzerland) | The role of IVIG in patients after HSCT: Swiss and EU experience |

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|  | Multidisciplinary approach is a factor of successful therapy of invasive mycosis Chairperson: AFANASYEV Boris (St. Petersburg, Russia) MOROZOVA Elena (St. Petersburg, Russia) | |
| 12.20 – 12.45 | POPOVA Marina (St. Petersburg, Russia) | Invasive mycosis pre- and post-HSCT |
| 12.45 – 13.10 | VOLKOVA Alisa (St. Petersburg, Russia) | Early diagnosis of pulmonary infections |
| 13.10 – 13.35 | GOLOSHCHAPOV Oleg (St. Petersburg, Russia) | The morbidity pattern in intensive care unit of BMT clinic |
| 13.35 – 14.30 | Lunch | |
| | Donor registries Luncheon round table Chairperson: PARAMONOV Igor (Kirov, Russia) ALYANSKIY Alexander (St. Petersburg, Russia) BUBNOVA Ludmila (Moscow, Russia) | |
| | Workshop on AML and MDS Chairperson: NIEDERWIESER Dietger (Leipzig, Germany) MASCHAN Alexey (Moscow, Russia) | |
| 14.30 – 15.00 | NIEDERWIESER Dietger (Leipzig, Germany) (sponsored by Celgene company) | AML in elderly patients |
| 15.00 – 15.30 | MASCHAN Alexey (Moscow, Russia) | HSCT protocol for the childhood leukemia |
| 15.30 – 15.55 | MOROZOVA Elena (St. Petersburg, Russia) | Role of hypomethylation in MDS treatment |
|  | Diagnostic and treatment of Ph+ ALL patients Chairperson: AFANASYEV Boris (St. Petersburg, Russia) MOROZOVA Elena (St. Petersburg, Russia) | |
| 15.55 – 16.30 | LOMAYA Elsa (St. Petersburg, Russia) | The role of ITK in ALL treatment |
| 16.30 – 17.05 | BONDARENKO Sergey (St. Petersburg, Russia) | Diagnosis and treatment of patients with Ph+ ALL |
| 17.05 – 17.15 | Discussion | |
| 17.15 – 17.30 | Coffee break | |

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| 09.00 – 09.30 | Raisa Gorbacheva Memorial Lecture Risk Factors and Other Limitations of Progress in AML BÜCHNER Thomas (Münster, Germany) | |
| 09.30 – 10.00 | Achievements and perspectives in CML treatment by means of stem cell transplantation HEHLMANN Rüdiger (Mannheim, Germany) | |
| 10.00 – 10.30 | Advances and prospectives in AML diagnosis and treatment with stem cell transplantation NIEDERWIESER Dietger (Leipzig, Germany) | |
| 10.30-11.00 | Comparison of different approaches of Haploidentical-HSCT in children and adults ZANDER Axel (Hamburg, Germany) | |
| 11.00 – 11.15 | Coffee break | |
| | Session 1 Chairpersons: HEHLMANN Rüdiger (Mannheim, Germany) MADRIGAL Alejandro (London, Great Britain) RIBERA Jose (Catalonia, Spain) | |
| 11.15 – 11.45 | NAGLER Arnon (Tel Hashomer, Israel) | From reduced intensity to reduced toxicity conditioning regimen pre –alloSCT for AML/ MDS |
| 11.45 – 12.15 | GALE Robert (Los Angeles, USA) | Is MRD testing useful in AML? |
| 12.15 – 12.45 | AFANASYEV Boris (St. Petersburg, Russia) | Perspectives for improvement of HSCT efficacy in patients with hematological malignancies: Focus on <i>pre-</i> and <i>post</i> transplant therapy |
| 12.45 – 13.15 | KOLB Hans-Jochem (Muenchen, Gemany) | Allogeneic haematopoietic stem cell transplantation: GVHD and infection |
| 13.15 – 14.00 | Lunch. Poster session | |
| | Session 2 Chairpersons: RUUTU Tapani (Helsinki, Finland) SUREDA Anna (Barcelona, Spain) GALE Robert (Los Angeles, USA) | |
| 14.00 – 14.30 | Special lecture Clinical application of tissue-engineered human heart valves using autologous progenitor cells HAVERICH Axel (Hannover, Germany) | |

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| 14.30 – 15.00 | Special lecture Bispecific CD3/CD19 antibody (blinatumomab) in the setting of allogeneic stem cell transplantation HOELZER Dieter (Frankfurt, Germany) | |
| 15.00 – 15.30 | RIBERA Jose (Catalonia, Spain) | Controversies in the stem cell transplantation for acute lymphoblastic leukemia in adults |
| 15.30 – 16.00 | SAVCHENKO Valeriy (Moscow, Russia) | Results of all Russia clinical trials in patients with AML: role and place of HSCT |
| 16.00 – 16.30 | SUREDA Anna (Barcelona, Spain) | Treatment of relapsed/refractory Hodgkin's Lymphoma in the era of novel drugs |
| 16.30 – 16.45 | Coffee break | |
| | Session 3 Chairpersons: PINTO SIMOES Belinda (San Paolo, Brasil) ALEYNIKOVA Olga (Minsk, Belarus) MASCHAN Alexey (Moscow, Russia) | |
| 16.45 – 17.15 | ALEYNIKOVA Olga (Minsk, Belarus) | Where is the place for allo-SCT in children AML? |
| 17.15 – 17.45 | MASCHAN Mikhail (Moscow, Russia) | TCR-alpha/beta depletion in haploidentical and unrelated transplantation for pediatric acute leukemia: current results |
| 17.45 – 18.15 | PINTO SIMOES Belinda (San Paolo, Brasil) | Brazilian experience in the treatment of GVHD with mesenchymal cells |
| 18.15 – 18.45 | KYRGIZOV Kirill (Moscow, Russia) | Autologous HSCT in children with refractory multiple sclerosis |
| 18.45 – 19.05 | PARAMONOV Igor (Kirov, Russia) | Russian donor registries |
| | End of the first day | |
| 19.30 – 21.00 | Social program | |

September 20, Sunday

Symposium “Hematopoietic Stem Cell Transplantation”

SECOND DAY

Conference hall 1

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| | Session 4 Chairpersons: LANGE Claudia (Hamburg, Germany) WAGEMAKER Gerard (Rotterdam, the Netherlands) KOLB Hans-Jochem (Muenchen, Gemany) | |
| 09.00 – 09.15 | Memorial speech Dirk W. van Bekkum, 1925-2015 WAGEMAKER Gerard (Rotterdam, the Netherlands) | |
| 09.15 – 09.45 | WAGEMAKER Gerard (Rotterdam, the Netherlands) | Efficacy and safety evaluation of hematopoietic stem cell gene therapy in inherited immune deficiencies and lysosomal storage disorders |
| 09.45 – 10.15 | MADRIGAL Alejandro (London, Great Britain) | Immunotherapy for the treatment of haematological malignancies after allogeneic haematopoietic stem cell transplantation |
| 10.15 – 10.45 | RUUTU Tapani (Helsinki, Finland) | Allogeneic transplantation of hematopoietic stem cell and solid organs in the same patient |
| 10.45 – 11.15 | LINTON (Israel) | When things go wrong after stem cell transplant -The NATURE of Intensive Care |
| 11.15 -11.45 | BORSET Magne (Trondheim, Norway) | Microenvironment - induced signaling in myeloma cells - new targets for treatment |
| 11.45 – 12.00 | Coffee break | |
| | Session 5 Chairpersons: FIBBE Willem (Leiden, the Netherland) FEHSE Boris (Hamburg, Germany) GLOVER Joel (Oslo, Norway) | |
| 12.00 – 12.30 | FIBBE Willem (Leiden, the Netherland) | Cell and gene therapy: regulatory hurdles in current EU system |
| 12.30 – 13.00 | LANGE Claudia (Hamburg, Germany) | Cellular therapy without cells: extracellular vesicles in stem cell transplantation |
| 13.00 – 13.30 | FEHSE Boris (Hamburg, Germany) | The use of barcoding to assess clonal regeneration and malignant transformation |

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| 13.30 – 14.00 | STAERK Judith (Oslo, Norway) | 5-hydroxymethylcytosine poises genes for expression to instruct hematopoietic differentiation |
| 14.00 – 14.30 | GLOVER Joel (Oslo, Norway) | 3D bioprinting applications for the <i>in vitro</i> tissue modeling and cellular interactions |
| 14.30 – 15.15 | Lunch | |
| | Session 6 Chairpersons: PORKHANOV Vladimir (Krasnodar, Russia) NEMKOV Alexander (St. Petersburg, Russia) ORLOV Sergey (St. Petersburg, Russia) | |
| 15.15 – 15.45 | STEINHOFF Gustav (Rostock, Germany) | Bone marrow stem cells for the heart regeneration in cardiac surgery: clinical outcomes |
| 15.45 – 16.15 | PORKHANOV Vladimir (Krasnodar, Russia) | Current experience with cellular therapy in thoracic surgery |
| 16.15 – 16.45 | ORLOV Sergey (Sochi, Russia) | Personalized therapy in lung cancer |
| 16.45 – 17.15 | NEMKOV Alexander (St. Petersburg, Russia) | Bone marrow cell therapy in patients with coronary artery disease |
| 17.15 – 17.45 | LUKASHENKO Vadim (St. Petersburg, Russia) | Cell therapy with autologous bone marrow cells in patients with severe heart failure |
| 17.45-18.00 | KOMOK Vladimir (St. Petersburg Russia) | Intramyocardial bone marrow cell therapy as a complementary option to CABG |
| 18.00 – 18.30 | Special lecture Goals of CML Treatment: Disease Control or Cure? APPERLEY Jane (London, Great Britain) | |
| 18.30 – 18.45 | Awarding of posters Chairpersons: ZANDER Axel (Hamburg, Germany) MIKHAILOVA Natalia (St. Petersburg, Russia) KULAGIN Alexander (St. Petersburg, Russia) | |
| 18.45 – 19.00 | AFANASYEV Boris (St. Petersburg, Russia) | Closing remarks |
| | Social program | |