



MINISTRY OF EDUCATION & SCIENCE
OF THE RUSSIAN FEDERATION



EUROPEAN COMMISSION



RUSSIAN NATIONAL CONTACT POINT ON FP7
BIOTECHNOLOGY, AGRICULTURE & FOOD



UniKasselTransfer

Ost-West-Wissenschaftszentrum

**V International Symposium
«EU-RUSSIA: COOPERATION in BIOTECHNOLOGY,
AGRICULTURE, FORESTRY, FISHERIES AND FOOD
in the 7-th FRAMEWORK PROGRAMME»**

PROGRAMME

1-3 Oct. 2008, Pushchino, Russia

ORGANISERS

From the Russian Federation:

- Ministry of Education and Science
- Federal Agency for Science and Innovations
- Russian Academy of Sciences
- A.N. Bakh Institute of Biochemistry RAS
- Russian Society of Biotechnologists
- Russian Foundation for Basic Research
- Russian National Contact Point on FP7-TP2 Food, Agriculture and Biotechnology (Bio-NCP of Russia)
- Voronezh State University, the Regional Information Point for Scientific and Technological Cooperation with the EU
- Center for Ecological Research and BioResources Development, Pushchino

From the European Union:

- The European Commission Research DG:
- Biotechnologies, Food and Agriculture Directorate
 - International Cooperation Directorate

From Germany:

- Ministry of Innovation, Science, Research and Technology of the State of North Rhine-Westphalia, Germany
- East-West-Science Centre University of Kassel
- ZAB Brandenburg Economic Development Board

STEERING GROUP

Chair - **S.N. Mazurenko**, Head of the RF Federal Agency for Science and Innovation

Co-chair : **T. Hall**, Director for Biotechnologies, Food and Agriculture, Research DG, European Commission, Co-Chair of the EC-Russia Working Group on Agro-Bio-Food

Co-chair - **I.P. Bilenkina**, Deputy Head of the RF Federal Agency for Science and Innovation, Co-Chair of the EC-Russia Working Group on Agro-Bio-Food

Deputy chairman – **V. Popov**, A.N. Bakh Institute of Biochemistry, RAS, Russian National Contact Point on FP7-TP2 Food, Agriculture and Biotechnology (Bio-NCP of Russia)

Organizing Committee

From the Russian Federation:

Academician of Russian Academy of Sciences and Academician of Russian Academy of Agricultural Sciences I.G. Atabekov
Academician of Russian Academy of Sciences V.T. Ivanov
Academician of Russian Academy of Sciences A.S. Isaev
Academician of Russian Academy of Sciences M.P. Kirpichnikov
Academician of Russian Academy of Sciences A.I. Miroshnikov
Academician of Russian Academy of Sciences I.I. Moiseev
Academician of Russian Academy of Sciences V.Ya. Panchenko

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E.V. Ugrinovich
Prof. S.A. Khurshudian
Prof. V. Svedas
Prof. A.S. Yanenko
Prof. A.M. Khoviv

From the European Union:

Dr. E. Balzi, Directorate for Biotechnologies, Food and Agriculture, Research DG, European Commission
Dr. R. Burger, Science Counsellor at the EU Delegation in Moscow

Symposium work group:

Dr. I. Sharova – Head of group

Dr. V.A. Dmitrieva

Dr. I.V. Vychezhzhanina

Dr. V.A. Eryomin

Dr. A.V. Zherdev

Dr. I.V. Savintsev

A.Yu. Razumovskaya

E.V. Sokolova

N.A. Filonov

From Russian Platforms:

Prof. A.A. Kochetkova

Prof. D.V. Karpenko

Prof. A.K. Bogeruk

Dr. L.A. Gnezdilova

Dr. O.A. Legonkova

Dr. N.V. Lukina

Programme at a Glance

30 Sept., Tuesday

11.00 – 22.00	Arrival (for EU participants) and Registration at the Hotel “Tsargrad”
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1 Oct., Wednesday

GERMAN-RUSSIAN FORUM ON COOPERATION NETWORK IN BIOTECHNOLOGY

09.30 – 13.30	Forum Opening and lectures
13.30 – 14.30	Lunch
14.30 – 18.30	Parallel sections
	Russia – Germany Forum: round table discussions. Individual meetings
	German-Russian Working Group on Biotechnology
	Qualification Course: FP7: Project Development and Application

2 Oct., Thursday

V INTERNATIONAL SYMPOSIUM

**«EU-RUSSIA: COOPERATION in BIOTECHNOLOGY, AGRICULTURE, FORESTRY,
FISHERIES AND FOOD in the 7-th FRAMEWORK PROGRAMME»**

10.00 – 10.30	Registration, <i>Welcome Coffee</i>
10.30 – 17.00	Symposium Opening and Plenary lectures
16.00 – 16.15	<i>Coffee-break</i>
	Plenary lectures
17.00 – 18.00	Visits to the Research Institutes of the Pushchino Scientific Center
19.00 – 21.00	Symposium Reception

3 Oct., Friday

10.00 – 16.00	Parallel Sessions
	SESSION I: INDUSTRIAL BIOTECHNOLOGY and BIOFUELS
	SESSION II: PLANT and MICROBIAL BIOTECHNOLOGY
	SESSION III: FOREST - BASED SECTOR
	SESSION IV: FOOD INDUSTRY
	SESSION V: ANIMAL HEALTH
	SESSION VI: FISHERIES and AQUACULTURE

Programme

30 Sept., Tuesday

11.00 – 22.00	Arrival (for EU participants) and Registration at the Hotel “Tsargrad”
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1 Oct., Wednesday

GERMAN-RUSSIAN FORUM ON COOPERATION NETWORK IN BIOTECHNOLOGY

**Venue: Branch of Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry,
Russian Academy of Sciences, Pushchino**

07.30 - 10.00	Arrival (for Russian participants), Transfer Moscow – Pushchino, Registration
09.30 – 13.30	Forum opening and lectures
	Opening: Pushchino Scientific Center Anatoly MIROSHNIKOV, Head of Branch of Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry, Russia
	Federal Ministry of Education and Science of Germany (BMBF) [TBC]
	Konstantin VORONIN, International Cooperation Department, Ministry of Education and Science, Russia
	Christian PATERMANN, Advisor to the NRW State Government, Germany

	Vladimir POPOV, Director of A.N. Bakh Institute of Biochemistry, RAS, Head of Russian National Contact Point on FP7-TP2 Food, Agriculture and Biotechnology (Bio-NCP of Russia)
	Konstantin SKRYABIN, Centre «Bioengineering» RAS, Moscow, Russia
	Andreas SCHMID, Member of the board CLIB2021. Coordinator: Biocatalysis, Germany [TBC]
11.00 – 11.20	Coffee-break
	Raif VASILOV, President, Yu.A. Ovchinnikov Russian Society of Biotechnologists, Russia
	Biotechnology in Germany Ulrich BEHRENDT, VBU – Association of German Biotech Companies, Germany
	The German-Russian Co-operation Network Biotechnology: Services and Support for bilateral projects Gabriele GORZKA, East-West-Science-Centre, University of Kassel, Germany
	Igor ZORNIKOV, Head of the Regional Information Point for Scientific and Technological Cooperation with the EU, Voronezh State University, Russia
	Jörn SONNENBURG, International Bureau of the Federal Ministry of Education and Science (BMBF), Germany [TBC]
	Evgeny UGRINOVICH, Assistant on International S&T Cooperation to the Director-General Russian Research Center "Kurchatov Institute", Russia [TBC]
	Annette WANDROWSKI, Project manager «German-Russian Co-operation Network Biotechnology», GmbH (The Brandenburg Economic Development Board), Germany
	Sergey FEOFANOV, Deputy Director Branch on Science and Technology, Branch of Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry, Russia
	The Funding Programmes of the German Research Foundation (DFG) Christian SCHAICH, DFG Bureau Moscow [TBC]
	Russian Funding Programmes Vladimir KOVALEV, Head of International Relations Department, Russian Foundation for Basic Research, Russia
13.30 – 14.30	Lunch
14.30 – 18.30	Parallel sections
14.30 – 18.30	Russia – Germany Forum: round table discussions. Individual meetings
14.30 – 18.30	German-Russian Working Group on Biotechnology
14.30 – 18.30	German-Russian Workshop Bioinformatics Computational Systems Biology Ralf HOFESTÄDT, Bielefeld University, Germany Nikolai KOLCHANOV, Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia

14.30 – 18.30	Qualification Course: FP7: Project Development and Application Teamer: Andrey GIRENKO European Research and Project Office GmbH (EURICE) Saarbrücken, Germany
14.30 – 16.00	A – Project Development Rules for Participation and Guidelines for Application From Research Idea to Project Proposal – Shaping Project Formula before Starting Writing a Proposal What Makes your Proposal Competitive... <ul style="list-style-type: none"> • Proposal Formalities • Consortium • Project Management • Monitoring • Finances
16.00 – 16.15	Coffee break
16.15 – 18.00	B – Application Process How to Manage the Application Process and how to Write a Proposal <ul style="list-style-type: none"> • Application Process Management • Application Contents: <ul style="list-style-type: none"> Working Packages Responsibilities Time Schedules Budget Dissemination Evaluation

2 Oct., Thursday

V INTERNATIONAL SYMPOSIUM
«EU-RUSSIA: COOPERATION in BIOTECHNOLOGY, AGRICULTURE, FORESTRY,
FISHERIES AND FOOD in the 7-th FRAMEWORK PROGRAMME»

Venue: Institute of Biochemistry and Physiology of Microorganisms (IBPM RAS)

10.00 – 10.30	Registration, Welcome Coffee
10.30 – 17.00	Symposium Opening and Plenary lectures
	Opening Remarks
	Welcome Address Timothy HALL, Director of «Biotechnologies, Agriculture and Food», Research DG, European Commission Inna BILENKINA, Deputy Head of Russian Federal Agency for Science and Innovations, Moscow, Russia [TBC]
10.40 – 17.00	Plenary Lectures
	Timothy HALL, Director of «Biotechnologies, Agriculture and Food», Research DG, European Commission
	Russian-European Cooperation in Framework Programmes

	Vladimir POPOV, A.N. Bakh Institute of Biochemistry, RAS, Russian National Contact Point on FP7-TP2 Food, Agriculture and Biotechnology (Bio NCP of Russia)
	Biotechnology Research under FP7 Alfredo AGUILAR-ROMANILLOS, Head of Biotechnologies Unit, Biotechnologies, Food and Agriculture Directorate, Research DG, European Commission
	Bio-based economy: opportunities and challenges for sustainable development Alexandre BARTSEV, Biotechnology Division, Directorate for Science, Technology and Industry, Organisation for economic co-operation and development (OECD), Paris, France [TBC]
	Biotechnology in Germany with the emphasis on the state of Hesse and the Rhine/Main region [TBC] Theo DINGERMANN, Goethe University of Frankfurt, Hesse
	Lunch
	ERA-NET Industrial Biotechnology Maarten de ZWART, Project coordinator, NWO - Chemical Sciences and ACTS, Netherlands [TBC]
	ERA-NET WoodWisdom-Net Ilmari ABSETZ, Project coordinator, Tekes - Finnish Funding Agency for Technology and Innovation, Finland [TBC]
	ERA-NET Plant Genomics Christine BUNTHOF, Coordinator of ERA-PG, Netherlands [TBC]
	ETP Food for Life Jana HAJŠLOVA, Institute of Chemical Technology Prague, Faculty of Food and Biochemical Technology, Czech Republic [TBC]
	Animal Health ERA-NET EU expert, [TBC]
	ERA-NET MARIFISH Laszlo VARADI, European Aquaculture Technology Platform (EATP), Research Institute for Fisheries, Aquaculture and Irrigation, Hungary, [TBC]
	Co-ordinated calls:
	Molecular modelling for rational design of industrial enzymes Lucia GARDOSSI, Trieste University, Trieste, Italy Vytautas SVEDAS, Moscow State University, Moscow, Russia
	PLAPROVA: Plant vaccines co-ordinated call George. LOMONOSSOFF, Swindon, UK [TBC]
	Coffee-break
	FP7 INCO-NET Eastern Europe and Central Asia Georges BONAS, Athens, Greece [TBC]
	FP7 BILAT EU-Russia [TBC]
	FP7 BIO-CIRCLE [TBC]
18.00 – 19.00	Visits to the Research Institutes of the Pushchino Scientific Center
19.00 – 21.00	Symposium Reception
	EC-Russia Working Group on Agro-Bio-Food [TBC]

3 Oct., Friday

10.00 – 16.00	Parallel Sessions
10.00 – 16.00	SESSION I: INDUSTRIAL BIOTECHNOLOGY and BIOFUELS
	Enantioselective enzymatic acylation in aqueous medium is an effective new route to produce individual enantiomers of aminocompounds Dorel GURANDA, Vytas SVEDAS, Moscow State University, Moscow, Russia
	Protein engineering of oxidoreductases Vladimir TISHKOV, Moscow State University, Moscow, Russia
10.00 – 16.00	SESSION II: PLANT and MICROBIAL BIOTECHNOLOGY Co-chair: Konstantin SKRYABIN
	Revealing the biocatalytic potential of hyperthermophilic archaea from genome sequence data Nicolai RAVIN, Centre «Bioengineering», RAS, Moscow, Russia
	Разработка компьютерной системы для аннотации аминокислотных последовательностей Eugene KOROTKOV, Centre «Bioengineering», RAS, Moscow, Russia
	Biodiversity of Rx 1 and GPA 2 genes in Solanaceae Elena KOCHIEVA, «Bioengineering», RAS, Moscow, Russia
	Possible impact of climatic changes on bacterial plant diseases – a view from bacteriodiversity research in Russia Alexander IGNATOV, Centre «Bioengineering», RAS, Moscow, Russia
	Application of wheat microsatellite markers for wheat mapping and gene evaluation Elena SALINA, Institute of Cytology and genetics, RAS, Novosibirsk, Russia
	Fruit trees transformation: methodology and application Sergej DOLGOV, Branch of the Institute of bioorganic chemistry, RAS, Pushchino, Russia
	General discussion
10.00 – 16.00	SESSION III: FOREST - BASED SECTOR
	Strategy of the Russian Federation forest sector development Alexander ISAEV, Centre for Forest Ecology and Productivity RAS, Moscow, Russia
	National research agenda and strategy of the Russian Federation forest sector development: forestry Natalia LUKINA, Centre for Forest Ecology and Productivity RAS, Moscow, Russia
	National research agenda and strategy of the Russian Federation forest sector development: wood products

	Alexander ALEXEEV, St.-Petersburg State Forest-Technical Academy, St.-Petersburg, Russia
	National research agenda and strategy of the Russian Federation forest sector development: pulp and paper Eduard AKIM, St-Petersburg State Technological University of Plant Polymers, St.-Petersburg, Russia
	National research agenda and strategy of the Russian Federation forest sector development: bio-energy Andrey BENIN, Russian Federation State Duma, Deputy, St.-Petersburg, Russia
	National research agenda and strategy of the Russian Federation forest sector development: specialties Irina PERMINOVA, Moscow State University, Moscow, Russia
	National research agenda and strategy of the Russian Federation forest sector development: education and training Valentine SHALAEV, Natalia KHUTOROVA, Moscow State Forest University, Moscow, Russia
	General discussion
10.00 – 16.00	SESSION IV: FOOD INDUSTRY
	Technology Platform "Food, Fairness and Ecology - Vision for an Organic Food & Farming Stefan LANGE, International Bureau of the Federal Ministry of Education and Research at the Project Management Agency, German Aerospace Center (DLR), Germany
	Structure of nutrition for Russian population: dynamic for the last 10 years. Bases of state policy in the field of healthy food for population of Russian Federation for the period until 2020 Victor TUTELYAN, Alexander BATURIN, Institute of Nutrition of Russian Academy of Medical Sciences, Moscow, Russia
	Technical regulation in the sphere of manufacture and rotation of foodstuffs [TBC] Andrey LISITSIN, V.M. Gorbатов All-Russian Research Institute of Meat Industry, Moscow, Russia
	Supervision and provision of sanitary and epidemiological well-being in the sphere of production and turnover of food products Sergei HOTIMCHENKO, Scientific and research institute of food, RAMS, Moscow, Russia
	Coffee-break
	Development of food biotechnology Iosif ROGOV, Moscow state university of applied biotechnology, Moscow, Russia
	Nano-technologies and nano - materials. Prospects of development and safety Anatoly FILIPOV, Moscow State University of Food Production, Moscow, Russia
	Modern techniques for detection of toxic nanoparticles and other contaminants in foodstuffs Boris DZANTIEV, Institute of Biochemistry RAS, Moscow, Russia
	Lunch

	<p>Supervision and maintenance of sanitary and epidemiologic well-being in the sphere of manufacture and rotation of foodstuff Minkail GAPPAROV, Institute of Nutrition of Russian Academy of Medical Sciences, Moscow, Russia [TBC]</p>
	<p>Functional foodstuffs. Perspective directions and technologies: Functional foodstuffs of plant origin Alla KOCHETKOVA, Moscow State University of Food Production, Moscow, Russia</p>
	<p>Functional foodstuffs of animal origin. Perspective directions and technologies Enver TOKAEV, Moscow state university of applied biotechnology, Moscow, Russia</p>
	<p>Biologically active additives to food: place and role in food optimization for population. Boris SUKHANOV, Institute of Nutrition of Russian Academy of Medical Sciences, Moscow, Russia</p>
	<p>Problems of falsification of foodstuffs. Methods of identification and control Sergey KHURSHUDIAN, Moscow State University of Food Production, Moscow, Russia</p>
10.00 – 16.00	<p>SESSION V: ANIMAL HEALTH Co-chair persons: Fyodor VASILEVICH, Moscow State Academy of Veterinary Medicine and Biotechnology named after K. I. Skryabin</p>
10:00-10:15	<p>Role of Biotechnology in Ensuring Safety for Animal Products and Fodder. Alexander PANIN, Vladimir SMOLENSKY, All-Russian State Centre quality and Standardization of Animal and Fodder Medicines Moscow, Russia</p>
10:15– 10.30	<p>Some Veterinary Problems of Russian Animal Husbandry in the Period of Integration with EU Alexander SIDORCHUK, Larisa GNEZDILOVA, Moscow State Academy of Veterinary Medicine and Biotechnology, Moscow, Russia</p>
10.30 – 10.45	<p>Diagnostics, Monitoring, prevention and Treatment of Animal Diseases. Animal Diseases Hazardous to Human Health. Eugene BELIK, Federal Centre for Animal Health Protection, Vladimir, Russia [TBC]</p>
10.45 – 11.00	<p>Modern Bio-pharmaceuticals in Veterinary Medicine Sergey SHABUNIN, All-Russian Research Veterinary Institute for Pathology, Pharmacology and Therapy, Voronezh, Russia [TBC]</p>
11.00 – 11.15	<p>Modern Concepts of Study on Equine Infections Diseases. Michael GULYUKIN, All-Russian Research Institute for experimental Veterinary Medicine named after Ya. P. Kovalenko, Moscow, Russia</p>
11.15 – 11.30	<p>Main Aspects of Anthropogenic Ecopathology of Highly Productive Animals in Southern Federal District. Vladimir TRUCHACHYOV, Andrei KVOCHKO, Stavropol State Agrarian University, Stavropol, Russia</p>
11.30 – 11.50	Coffee-break
11.50 – 12.10	<p>Bird Flu as Global Problem of veterinary medicine Victor IRZA, Federal Centre for Animal Health Protection,</p>

	Vladimir, Russia [TBC]
12.10 – 12.25	Modern Aspects of Solution to Micotoxin Problem by means of Monnana Compositions with Natural Ion Exchangers. Igor TICHONOV, Tatyana ZABOLOTSKAYA, Moscow State Academy of Veterinary Medicine and Biotechnology, Moscow, Russia
12.25 – 12.40	Possibilities and Prospects for Application of Gumin Preparations in Animal Husbandry Alexander BERKOVICH, Public Joint-Stock Company “Ligpharm“, Moscow, Russia
12.40 – 13.00	Problems of Leptospirosis in South Federal District. Michael FOMENKO, Marianna VICULOVA “Stavropol Inter-Regional Veterinary Laboratory“, Stavropol, Russia
13.00 – 14:00	Lunch
14:00 – 14:15	Methods, Diagnostics and Prevention of Food-and-Mouth Disease. Vladimir BORISOV, Federal Centre for Animal Health Protection, Vladimir, Russia [TBC]
14:15 – 14:30	Farm Animal Diseases Causing Economic Losses in RF. New Trends in Vaccine Prevention. Dmitry KUZNETSOV, “Pokrov Factory of Bio-preparations”, Vladimir region, Russia
14:30 – 14:45	Prospects for Application of Bacteriophages in Control of Animal Infections Diseases. Nicolai PIMENOV, Moscow State Academy of Veterinary Medicine and Biotechnology named after K. I. Skryabin, Moscow, Russia
14:45 – 15:00	Means and Methods of Animal Protection against Radiation Denis KOLBASOV, State Research Institute, Pokrov, Russia
15:00 – 15:15	DNA-Diagnostic of Swine Productivity Markers Valery VINOGRADOV, All-Russian Research Institute of Animal Husbandry (RASKAN), Moscow region, Russia [TBC]
15:15 – 15:25	Increase in Efficiency of Production and Improvement of Poultry Egg and Meat Quality in Use of Biologically Active Supplements Grigory AFANASYEV, Russian State Academy of Management- Ministry of Agriculture, Moscow, Russia [TBC]
15:25 – 15:40	Modern Methods of Control of Epizootic Situation in Rabies of Animals Sergey RYIBAKOV, Konstantin GRUZDEV, Federal Centre of Animal Health Protection, Vladimir, Russia [TBC]
15:40 – 16:00	Round-Table Discussion Summing up
10.00 – 16.00	SESSION VI: FISHERIES and AQUACULURE
16.00 – 17.30	Individual match meetings/ Round table discussion
	Endorsement of Joint Communique of the Symposium
	Culture Programme

19.00 – 21.00

Transfer Pushchino - Moscow

Venue of the Symposium

Address: Moscow region, Serpukhov area, Pushchino

Hotel “Pushchino” <http://www.pushino.ru/>

Hotel “Tsargrad” <http://www.tsargrad-hotels.ru/>