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RUSSIAN NATIONAL CONTACT POINT ON FP7
BIOTECHNOLOGY, AGRICULTURE & FOOD

IV International Symposium
EU—RUSSIA CO-OPERATION IN BIOTECHNOLOGY,
AGRICULTURE, FORESTRY AND FOOD

PROGRAMME

August 30 – September 02, 2007, Suzdal

ORGANISERS

For 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 Fisheries, and Biotechnology (Bio NCP of Russia)

For the European Union:

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

STEERING GROUP

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

Co-chair: **C. Patermann**, 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 Chair: **V.O. Popov**, Director of A.N. Bakh Institute of Biochemistry RAS, Head of Bio NCP of Russia

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Dr. I.V. Vichegzhana

Dr. A.V. Zherdev

Programme at a Glance

Thursday, August 30

09.30 – 11.00	EC-Russia Working Group on Agro-Bio-Food
11.00 – 22.00	Arrival and Registration in Hotel "Suzdal"
19.00 – 21.00	Get-together of Symposium participants

Friday, August 31

09.00 – 14.15	Symposium Opening and Plenary lectures
14.15 – 15.00	Lunch
15.00 – 19.00	Parallel Sessions
	SESSION I: PLANT and MICROBIAL BIOTECHNOLOGY SESSION II: INDUSTRIAL BIOTECHNOLOGY and BIOFUELS SESSION III: FOREST-BASED SECTOR SESSION IV: NANOTECHNOLOGIES IN FOOD INDUSTRY
19.00 – 19.30	Conclusions of the sections co-chairs
20.00 – 22.00	Symposium Reception

Saturday, September 1

09.00 – 12.00	Parallel Sessions
	SESSION V: ANIMAL HEALTH SESSION VI: FISHERIES and AQUACULTURE

PROGRAMME

Thursday, August 30

09.30 - 11.00	Meeting of EC-Russia Working Group on Agro-Bio-Food Co-chairs: Inna BILENKINA, Deputy Head of the Russian Federal Agency for Science and Innovation, Moscow, Russia Christian PATERMANN, Director, Directorate «Biotechnologies, Agriculture and Food», Research DG, European Commission
	General Programme
11.00 – 16.00	Transfer Moscow – Suzdal
08.00 – 22.00	Registration in Hotel "Suzdal"
19.00 – 21.00	Get-together Party of Symposium participants Hotel "Suzdal"

Friday, August 31

09.00 – 09.20	Opening Remarks <i>(concert hall)</i>
09.00 – 09.10	Welcome Address Nikolay VINOGRADOV, The Governor of the Vladimir Region
09.10 – 09.20	Christian PATERMANN, Director, Directorate «Biotechnologies, Agriculture and Food», Research DG, European Commission
	Inna BILENKINA, Deputy Head of Russian Federal Agency for Science and Innovations, Moscow, Russia
09.20 – 14.15	Plenary Lectures
09.20 – 09.40	The Knowledge Based Bioeconomy: Food, Agriculture and Biotechnology under the EU 7th Framework Programme Christian PATERMANN, Director, Directorate «Biotechnologies, Agriculture and Food», Research DG, European Commission
09.40 – 10.00	Russian-European Cooperation in Framework Programmes Vladimir POPOV, Institute of Biochemistry, Russian Academy of Sciences, Bio NCP of Russia, Moscow, Russia
10.00 – 10.20	Biotechnology Research under FP7 Alfredo AGUILAR-ROMANILLOS, Head of Biotechnologies Unit, Biotechnologies, Food and Agriculture Directorate, Research DG, European Commission
10.20 – 10.40	Biofuels - EU research and prospects for EU-Russia co-operation Tord Fjällström, European Biomass Industry Association, Brussels, Belgium
10.40 – 11.00	Development of Russian bioenergetics: trends and problems Nikolay SOROKIN, Department of R&D and Education, Ministry of Agriculture of the Russian Federation, Moscow, Russia
11.00 – 11.20	Agroenergetics Il'ya MOISEEV, N.S. Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow, Russia, Giuliano GRASSI, European Biomass Industry Association, Brussels, Belgium, Lev TRUSOV and Vadim TARASSOV, Association "Aspect", Moscow, Russia
11.20 – 11.50	<i>Coffee-break</i>

11.50 – 12.10	Putting the Forest-based sector Technology Platform into action – The role of National Support Groups Wilhelm VORHER, Forest-Based Sector Technology Platform, Hosbach, Germany
12.10 – 12.30	Contributions of Plant Sciences towards a Knowledge Based Economy Marc VAN MONTAGU, Ghent University, Ghent, Belgium
12.30 – 12.50	Plant biotechnology – view from Russia Konstantin SKRYABIN, Centre «Bioengineering» RAS, Moscow, Russia
12.50 – 13.10	Food and Nanotechnology: EU views and prospects for EU-Russia co-operation Maria SMOLANDER, VTT Technical Research Centre of Finland, Espoo, Finland
13.10 – 13.30	Animal health -The EU Strategic Research Agenda and prospects for EU-Russia co-operation Thomas METTENLEITER, Friedrich-Loeffler Institute, Federal Research Institute for Animal Health, Boddenblick, Germany
13.30 – 13.50	The European Aquaculture Technology Platform Strategic Research Agenda and prospects for EU-Russia co-operation Torgeir EDVARSEN, Norwegian Institute of Fisheries and Aquaculture, Trondheim, Norway
13.50 – 13.55	Principles of Formation of Russian Technology Platform «Animal Health» Alexander PANIN, Federal State Institute All-Russian Centre for Quality and Standardisation of Veterinary Drugs and Feed (VGNKI), Moscow, Russia, Raif VASILOV, Russian Society of Biotechnologists, Moscow, Russia
13.55 – 14.05	State and Corporations: Interaction in Animal Health Issues. Experience of International Cooperation Sergey KRYUKOV, Open Joint Stock Company «Rosagrobioprom», Moscow, Russia
14.05 – 14.15	Presentation of Russian Technology Platform in Aquaculture Olga MEZENOVA, Kaliningrad State Technical University, Kaliningrad, Russia
14.15 – 15.00	<i>Lunch</i>
15.00 – 19.00	Parallel Sessions
15.00 – 19.00	SESSION I: PLANT and MICROBIAL BIOTECHNOLOGY <i>(hall №1)</i> Co-chair persons: Konstantin SKRYABIN, Centre «Bioengineering» RAS, Moscow, Russia Marc VAN MONTAGU, Ghent University, Ghent, Belgium
15.00 – 15.20	Creation of beneficial plant-microbe systems for sustainable agriculture Igor TIKHONOVICH, All-Russian Research Institute of Agricultural Microbiology RAAS, St.-Petersburg, Russia
15.20 – 15.40	Plant pathogens and plant disease control strategies Maarten de WAARD, University of Wageningen, Netherlands
15.40 – 16.00	Superproduction of vaccines and therapeutic proteins in plants agroinfected by vector viruses Joseph ATABEKOV, Biological Faculty of Moscow State University, Moscow, Russia
16.00 – 16.20	New technology of development of salt-tolerant plants based on expression of bacterial membrane pyrophosphatases Nikolay RAVIN, Centre «Bioengineering» RAS, Moscow. Russia
16.20 – 16.40	Diagnostics of plant pathogenic bacteria: Gleaning complete sequence informatics for designing primers and probes Alexander IGNATOV, Centre «Bioengineering» RAS, Moscow, Russia
16.40 – 17.00	<i>Coffee-break</i>
17.00 – 17.20	Molecular analysis of biodiversity of Solanaceae (potato, pepper, tomato) and its utilization in plant breeding programs Elena KOCHIEVA, Centre «Bioengineering» RAS, Moscow, Russia

17.20 – 17.40	Analysis of genes involved in resistance to stress factors Alexey APCHELIMOV, Biological Faculty of Moscow State University, Moscow, Russia
17.40 – 18.00	Molecular biology approach for improving stone fruits resistance to Sharka (plum pox virus) Sergey DOLGOV, Branch of Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry RAS, “Biotron” Laboratory, Moscow, Russia
18.00 – 18.20	Gene and genome mapping for plant improvement Elena SALINA, Institute of Cytology and Genetics, Siberian Branch of RAS, Novosibirsk, Russia
18.20 – 19.00	General discussion
15.00 – 19.00	SESSION II: INDUSTRIAL BIOTECHNOLOGY and BIOFUELS <i>(hall №2)</i> Co-chair persons: Vladimir POPOV, Institute of Biochemistry RAS, Bio NCP of Russia, Moscow, Russia Alfredo AGUILAR-ROMANILLOS, Head of Biotechnologies Unit, Biotechnologies, Food and Agriculture Directorate, Research DG, European Commission
15.00 – 15.20	The next generation of Bio-refineries Huub SCHERES, «Genencor International», Danisco, Netherlands
15.20 – 15.40	Large-scale products in the field of White Biotechnology. Russian priorities and perspectives Alexander YANENKO, State Research Institute of Genetics and Selection of Industrial Microorganisms, Moscow, Russia
15.40 – 16.00	Bioclusters - integrated systems for conversion of renewable resources. European and Russian experience Valeriy BRENNER, Vladimir PETROVICHEV, «ROSALKO», Moscow, Russia
16.00 – 16.20	Biofuels - business opportunities Karlheinz DRAUZ, Innovation Management Chemicals International Scientific Relations, Germany
16.20 – 16.40	Biofuels – investing in a sustainable future Raif VASILOV, Russian Biofuels Association, Moscow, Russia Alex ABLAEV, Russian Biofuels Association, Moscow, Russia
16.40 – 17.00	<i>Coffee-break</i>
17.00 – 17.20	New heterogenic catalytic processes for obtaining and conversion of biofuels Sergey VARFOLOMEEV, Institute of Biochemical Physics after N.M. Emanuel RAS, Moscow, Russia
17.20 – 17.40	Advanced technologies and cost effectiveness of bioethanol production in Russia Nadezhda ORLOVA, Research Company “Abercade”, Moscow, Russia
17.40 – 18.00	Enzymatic hydrolysis of lignocellulosic biomass - challenges for the EU and Russia Kristiina KRUUS, VTT Technical Research Centre of Finland, Espoo, Finland
18.00 – 18.20	Enzymes for conversion of lignocelluloses materials Arkadiy SINITZYN, Ivan ZOROV, Institute of Biochemistry RAS, Moscow State University, Moscow, Russia
18.20 – 18.40	Perspectives of the rational design of biocatalysts for industrial biotechnology Vytautas SVEDAS, Moscow State University, Moscow, Russia
18.40 – 19.00	Biocatalysis for environment protection Esther SULMAN, Tver Technical University, Tver, Russia
15.00 – 19.00	SESSION III: FOREST-BASED SECTOR <i>(hall №3)</i> Co-chair persons: Alexander ISAEV, Centre for Forest Ecology and Productivity RAS, Moscow, Russia Wilhelm VORHER, Forest-Based Sector Technology Platform, Hosbach, Germany

15.00 – 15.20	Prospects for forestry research under FP7 Thomasz OSZAKO, Agriculture, Forestry, Fisheries and Aquaculture Unit, Research DG, European Commission
15.20 – 15.40	Putting the Forest-based sector Technology Platform into action - the role of national support groups Wilhelm VORHER, Forest-Based Sector Technology Platform, Hosbach, Germany
15.40 – 16.00	Research strategy of the Finnish forest cluster Päivi LUOMA, Finnish Forest Industries Federation, Helsinki, Finland
16.00 – 16.20	Russian National Research Programme of Forest Technology Platform: general description Natalia LUKINA, Centre for Forest Ecology and Productivity RAS, Moscow, Russia
16.20 – 16.40	Russian National Research Programme of Forest Technology Platform: value-chain forestry Alexander ISAEV, Centre for Forest Ecology and Productivity RAS, Moscow, Russia
16.40 – 17.00	Coffee-break
17.00 – 17.20	Russian National Research Programme of Forest Technology Platform: value-chain pulp and paper Eduard AKIM, St.-Petersburg State Technological University of Plant Polymers, St.-Petersburg, Russia
17.20 – 17.40	Russian National Research Programme of Forest Technology Platform: value-chain bioenergetics Andrey BENIN, Russian Federation State Duma, Deputy, St.-Petersburg, Russia
17.40 – 18.00	Russian National Research Programme of Forest Technology Platform: value-chain specialties Irina PERMINOVA, Moscow State University, Moscow, Russia
18.00 – 18.20	Russian National Research Programme of Forest Technology Platform: education and training Natalia KHUTOROVA, Moscow State Forest University, Moscow, Russia
18.20 – 18.40	Possible participation of Russian forest Universities in Forest-Based Sector Technology Platform activities Aleksandr ALEKSEEV, Andrei SELIKHOVKIN, St.-Petersburg State Forest-Technical Academy, St.-Petersburg, Russia
18.40 – 19.00	General discussion
15.00 – 19.00	SESSION IV: NANOTECHNOLOGIES IN FOOD INDUSTRY <i>(concert hall)</i> Co-chairs persons: Maria SMOLANDER, VTT Technical Research Centre of Finland, Espoo, Finland Iosif ROGOV, Moscow State University of Applied Biotechnology, Moscow, Russia Victor TUTELYAN, Institute of Nutrition of Russian Academy of Medical Sciences, Moscow, Russia Boris DZANTIEV, Institute of Biochemistry RAS, Moscow, Russia
15.00 – 15.20	Converging technologies in Food Science under FP7 Domenico De MARTINIS, Food, Health and Well-being Unit, Research DG, European Commission
15.20 – 15.40	Trends in the development of Russian food industry Iosif ROGOV, Moscow State University of Applied Biotechnology, Moscow, Russia
15.40 – 16.00	Perspectives and features of nanotechnologies application to the food industry Anatoly FILIPPOV, Moscow State University of Food Production, Moscow, Russia
16.00 – 16.20	Consumer safety and regulatory issues in relation to the usage of nanotechnologies in the food sector Qasim CHAUDHRY, Central Science Laboratory, Sand Hutton York, UK

16.20 – 16.40	Development of nanosafety rules in Russia: Demands to food industry and food market Victor TUTELYAN, Alexander BATURIN, Institute of Nutrition of RAMS, Moscow, Russia
16.40 - 17.00	<i>Coffee-break</i>
17.00 – 17.20	Safety of application of nanotechnologies in food production Hans BOUWMEESTER, RIKILT Institute of Food Safety, Wageningen University, Netherlands
17.20 – 17.40	Rapid techniques on the base of nanomaterials in food quality control Boris DZANTIEV, Institute of Biochemistry RAS, Moscow, Russia
17.40 – 18.00	Product quality studies and bio risk assessment of nano in food Sergei IGNATOV, State Research Center for Applied Microbiology and Biotechnology, Obolensk, Moscow region , Russia
18.00 – 18.15	Mycotoxins: an important concern for food safety in Europe Antonio LOGRIECO, Institute of Science of Food Production, Bari, Italy
18.15 – 18.30	Functional dairy products and nanotechnologies Boris SHENDEROV, «Bactotech, Ltd», Russia
18.30 – 19.00	General discussion
19.00 – 19.30	Conclusions of the sections co-chairs (SESSIONS I – IV) <i>(concert hall)</i>
20.00 – 22.00	Symposium Reception <i>(hotel “Suzdal”)</i>

Saturday, September 1

09.00 – 12.00	SESSION V: ANIMAL HEALTH <i>(conference hall №2)</i> Co-chair persons: Ivan ROZHDESTVENSKY, Director of Department of Veterinary and Livestock-breeding, Ministry of Agriculture of the Russian Federation, Moscow, Russia Eugene BELIK, FGI Federal Centre for Animal Health, Vladimir, Russia Thomas METTENLEITER, Friedrich-Loeffler Institut, Federal Research Institute for Animal Health, Boddenblick, Germany
09.00 – 09.15	Diagnostics, monitoring, prevention and treatment of animal diseases. Hazardous to human health animal diseases Eugene BELIK, FGI Federal Centre for Animal Health, Vladimir, Russia
09.15 – 09.30	Methods, diagnostics and prevention of murrain Vladimir BORISOV, FGI Federal Centre for Animal Health, Vladimir, Russia
09.30 – 09.45	Economically Significant Diseases of Farm Animals in RF. New Avenues in Vaccine Prevention Dmitry KUZNETSOV, Open Joint Stock Company “Pokrov Plant of Bioproducts”, Vladimir region, Russia
09.45 – 10.00	Role of Biotechnology in Provision of Safety for Animal Products and Feedstuff Alexander PANIN, Vladimir SMOLENSKY, All-Russian State Institute of Control, Standardization and Certification of Veterinary Products (VGNI), Moscow, Russia

10.00 – 10.15	Modern methods for epizootic control of animal rabies Sergey RYIBAKOV, FGI Federal Centre for Animal Health, Vladimir, Russia
10.15 – 10.30	Modern bio-pharmaceutical drugs in veterinary Sergey SHABUNIN, All-Russian scientific veterinarian Institute for pathology, pharmacology and therapy, Voronezh, Russia
10.30 – 10.45	<i>Coffee-break</i>
10.45 – 11.00	Bird flu – global challenge of veterinary medicine Victor IRZA, FGI Federal Centre for Animal Health, Vladimir, Russia
11.00 – 11.25	Advanced Animal Feedings Technologies and Prospects for Development of Animal Feedings Production in Russia Il'ya TROFIMOV, All-Russian Research Institute of Feed named after V.R. Williams RAAS, Moscow region, Russia Alexander KRICHEVSKY, "Sibbiofarm", Novosibirsk, Russia
11.25 – 11.40	Biotechnology of pig waste disposals by vermicultivation for value-chain feedings products for animal husbandry Ivan MOSHKUTELO, All-Russian Institute of animal husbandry RAAS, Moscow region, Russia
11.40 – 12.00	Ecologically safe technologies for utilization of organic waste from animal husbandry Sergey LUKIN, All-Russian scientific, production engineering Institute of organic fertilizers and peat RAAS, Vladimir region, Russia
09.00 – 12.00	SESSION VI: FISHERIES and AQUACULTURE <i>(hall № 1)</i> Co-chair persons: Alexander FOMIN, Director of Department of Fishing, Ministry of Agriculture of the RF Olga MEZENOVA, Kaliningrad State Technical University, Kaliningrad, Russia Galina MASLOVA, «GIPRONIribflot», St.-Petersburg, Russia Torgeir EDVARDESEN, Norwegian Institute of Fisheries and Aquaculture, Trondheim, Norway
09.00 – 09.15	Value-chain hydrobionts by the method of deep fractionation Galina MASLOVA, «GIPRONIribflot», St.-Petersburg, Russia
09.15 – 09.30	Modern technologies of seaweed processing for production of polysaccharides Antonina PODKORYTOVA, Russian Federal Research Institute of Fishery and Oceanography, Moscow, Russia
09.30 – 09.45	Topical problems of professional education and science in marine biotechnology, food quality and safety Tatiana KALENIK, Institute of Food Technologies and Commodity Research of Pacific State University of Economics, Vladivostok, Russia
09.45 – 10.00	Perspectives of aquaculture development in Russia Yuri MAMONTOV, Russian Association of Fishery, Moscow, Russia
10.00 – 10.15	Biotechnology processing for fisheries in Volgo-Caspian region Marfuga MUKATOVA, Astrakhan State Technical University, Russia
10.15 – 10.30	Problems of fisheries restoration and value-chain Antarctic krill Sergey NEMCEV, Russian Federal Research Institute of Fishery and Oceanography, Moscow, Russia
10.30 – 10.45	<i>Coffee-break</i>

10.45 – 11.00	Production of biologically active substances and additives from hydrobionts Tatiana PIVNENKO, Pacific Research Fisheries Center («TINRO-center»), Vladivostok, Russia
11.00 – 11.15	Biotechnological aspects of using of secondary raw material resources in fisheries Olga BREDIHINA, Russian Federal Research Institute of Fishery and Oceanography, Moscow, Russia
11.15 – 12.00	Presentation and discussion of projects submitted in FP7: Marine bioenergetics: production of bioenergetical materials from under useable marine bioresources Olga MEZENOVA, Kaliningrad State Technical University, Kaliningrad, Russia Galina MASLOVA, “GIPRONIribflot”, St.-Petersburg, Russia
	Endorsement of Joint Communique of the Symposium

Culture Programme

Saturday, September 1

10.00 – 13.00	Excursion, Suzdal
14.00 – 18.00	Excursion, Vladimir

Transfers

Saturday, September 1

14.00	Transfer 1: Suzdal – Moscow
19.00	Transfer 2: Suzdal – Moscow

Sunday, September 2

11.00	Transfer 3: Suzdal – Moscow
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Location of the Symposium

Address: OJSC "TOURCENTER"
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