

German-Russian Forum Biotechnology

16. – 18.06.2010

Munich, Germany

Programme Organisers:

UniKasselTransfer

Ost-West-Wissenschaftszentrum

[East-West-Science Centre, University of Kassel](#)



[German-Russian Cooperation Network Biotechnology](#)



[Biotechnology Cluster Bavaria](#)



[Chemie-Cluster Bayern](#)



[Bio^M WB white biotechnology GmbH Bavaria](#)



[Association of German Biotech Companies \(VBU\)](#)



[A.N. Bakh Institute of Biochemistry, RAS
National Contact Point FP7](#)



[International Science & Technology Center \(ISTC\)](#)

Technical Organisation:



[Bio^M Biotech Cluster Development GmbH](#)
Prof. Dr. H. Domdey
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UniKasselTransfer

Ost-West-Wissenschaftszentrum

[East-West-Science Centre, University of Kassel](#)
Dr. G. Gorzka
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Venue:

Innovations und Gründerzentrum Biotechnologie IZB
Am Klopferspitz 19
82152 Martinsried
[Location plan](#)

PROGRAMME

16.06.	16:00	Individual Arrival	
	17:00	<p>Registration</p> <p>Plenary Session (Room: "Ellipse")</p> <ul style="list-style-type: none"> - Welcome Bio^M Biotech Cluster Development GmbH Bavaria <i>Prof. Dr. H. Domdey</i>, Managing Director East-West-Science Centre Hessen, University of Kassel <i>Dr. G. Gorzka</i>, Director - Overview on Russian / German Biotechnology – Industry and R&D A.N. Bach Institute of Biochemistry, RAS National Contact Point FP7 <i>Prof. Dr. V. Popov</i>, Director Association of German Biotechnology Companies <i>Dr. U. Behrendt</i>, Member of the Board Chemistry Cluster Bavaria <i>Mr. D. Gottschald</i>, Managing Director Bio^M WB GmbH <i>Prof. H. Zorbass</i>, Managing Director - Funding Programmes in Germany and Russia & Best Practice Examples International Science and Technology Center (ISTC) <i>Prof. W. Gudowski</i>, EU Deputy Executive Director Deutsche Forschungsgemeinschaft <i>Dr. C. Schaich</i>, Director International Affairs Helmholtz Association of German Research Centre <i>Dr. Martin Sandhop</i>, Head of Representative Office 	
	19:30	<p>Get Together</p> <p>Restaurant "Freshmaker" Am Klopferspitz 19 82152 Martinsried</p>	
17.06.	09:00	German-Russian Forum on Biotechnology	
		Thematic Sections	
		<p>Section I: (Room "Ellipse") BioNano <u>Chair:</u> <i>Prof. Dr. A. Savitsky</i> A.N. Bach Institute of Biochemistry, RAS, Moscow</p> <ul style="list-style-type: none"> - FRET pair of fluorescent proteins for life – time based detection of enzymatic activity in living cells and small animal <i>Prof. Dr. A. Savitsky</i> A.N. Bach Institute of Biochemistry, RAS, Moscow 	<p>Section II: (Room "Kubus") Bioinformatics and System Biology <u>Chair:</u> <i>Dr. C. Alecke</i> Federal Ministry of Education and Research, Berlin</p> <ul style="list-style-type: none"> - Universality of principles of the organisation of live systems <i>Prof. Dr. A. Mulik</i> Volgograd State University, Volgograd - Reconstruction, visualization and computational analysis of genetic and metabolic networks <i>Dr. E. Ananko</i> Institute of Cytology and Genetics, SB RAS, Novosibirsk

	<ul style="list-style-type: none"> - Fluorescence 3D imaging of small animals <i>Dr. I. Turchin</i> Institute of Applied Physics, RAS, Nizhny Novgorod - Some Like It Hot – Biomolecule Analytics Using Microscale Thermophoresis <i>Dr. Stefan Duhr</i> NanoTemper Technologies GmbH, Munich - Soft non-destructive ablation with THz for transferring biomacromolecules from solid supports to the aerosol phase <i>Prof. Dr. S. Peltek</i> Institute of Cytology and Genetics, SB RAS, Novosibirsk - Nanoparticle assisted delivery of nucleic acid reagents to the eukaryotic cells as gene targeted therapeutics <i>Prof. Dr. S. Zagrebelny</i> Novosibirsk State University, Novosibirsk - "Soft matter nanosystems for nucleic acid transfer and single cell analysis of eu-caryotic cells" <i>Prof. J. Rädler</i> Ludwig-Maximilians University Munich 	<ul style="list-style-type: none"> - Energy metabolism of yeast: a Systems Biology view <i>Dr. M. Zakhartsev</i> University of Heidelberg - Computer simulation of the temperature self-regulation phenomena in biological tissue <i>Prof. Dr. A. Arzamastsev</i> Tambov State University, Tambov - Information driven cell lines screening platforms to study anticancer agents <i>Dr. I. Ivanov</i> Oncolead GmbH & Co.KG, Planegg - The model of 9-lipoxygenase specificity based on Autodocking results <i>Mrs. E. Osipova</i> Kazan Institute of Biochemistry and Biophysics, Kazan
10:30	Coffee break	
10:45	<ul style="list-style-type: none"> - Targeted delivery across blood-brain barrier <i>Dr. V. Chekhonin</i> Pirogov Russian State Medical University, Pirogov - Nanoparticles for Drug Delivery Across the Blood-Brain-Barrier <i>Dr. S. Gelperina</i> Nanosystem Ltd., Moscow - Nanodiamonds and their application in Biology <i>Dr. A. Burov</i> Krasnoyarsk Scientific Center, SB RAS, Krasnoyarsk - Synthesis and functionalization of silver nanoparticles by trypsin inhibitor <i>Dr. N. Ibragimova</i> S. Asfendiyarov Kazakh National Medical University, Almaty - Improving of optical diagnostics and photothermal therapy of tumors with gold nanoparticles <i>Prof. Dr. E. Zagaynova</i> Nizhny Novgorod State Medical Academy, Nizhny Novgorod 	<ul style="list-style-type: none"> - Calcium responses of individual hippocampal neurons on agonists of glutamate receptors <i>Prof. Dr. V. Zinchenko</i> Institute of Cell Biophysics, RAS, Pushchino - Knowledge Management, solutions for the LifeSciences <i>Dr. Klaus Heumann</i> Biomax Informatics AG, Martinsried - Title (to be submitted) <i>Dr. Martin Seifert</i> Genomatix Software GmbH, Munich - Systems Biology – Trends, Challenges and Perspectives <i>Prof. Dr. Ulrike Gaul</i> Gene Center, Ludwigs-Maximilians-University Munich
12:30 – 13:30	Lunch & Poster Presentation (Foyer "Ellipse")	

13:30	<p>Section III: (Room “Ellipse”) Postgenomics and Proteomics</p> <p><u>Chair:</u> <i>Prof. Dr. V. Prasolov</i> Engelhardt Institute of Molecular Biology, RAS, Moscow</p>	<p>Section IV: (Room “Kubus”) Industrial Biotechnology</p> <p><u>Chair:</u> <i>Dr. C. Patermann,</i> German BioEconomy Council, Bonn</p>
	<ul style="list-style-type: none"> – Quantitative Proteomics <i>Prof. F. Lottspeich</i> Max-Planck Institute of Biochemistry, Martinsried – Creating of CIS Collaborative Drug Discovery Portal; Organisation of pharmaceutical and biotechnology cluster “Northern” in Moscow Region; Creating of novel LMW drugs, drug delivery systems, generics, biosimilars and preparations for ecological purposes <i>Dr. A. Sosnov</i> CHEMRAR Hi-Tech Center, Moscow – New thermophilic microorganisms and their genomes as a source of novel enzymes for biotechnology <i>Dr. E. Bonch-Osmolovskaya</i> Winogradsky Institute of Microbiology RAS, Moscow – Proteomics of body liquids as a source for potential methods for medical diagnostics <i>Prof. Dr. E. Nikolaev</i> Institute for Biochemical Physics, RAS, Moscow – Engineered D-amino acid oxidase for biotechnology and medicine diagnostics <i>Prof. Dr. Vladimir Tishkov</i> M.V. Komonosov Moscow State University, Moscow – Sensitive Quantitative Detection of Phosphorylated Signaling Proteins with ELISA Microarrays <i>Mr. P. Holenya</i> University of Heidelberg, Heidelberg 	<ul style="list-style-type: none"> – Topics for German-Russian Cooperation in Industrial Biotechnology <i>Dr. Manfred Kircher</i> CLIB 2010, Düsseldorf – Biotechnological valorization of raw glycerol discharged after bio-diesel manufacturing process: Production of 1,3-propaned <i>Dr. I. Morgunov</i> G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms, RAS, Pushchino – Bio-based Chemicals & Fuels from Renewable Ressources <i>Dr. I. Sterr</i> Süd-Chemie AG, Munich – Enzyme complex for highly efficient saccharification of lignocellulosic feedstocks <i>Prof. Dr. A. Sinityn</i> A.N. Bach Institute of Biochemistry, RAS, Moscow – Microbial production of C-4 metabolites <i>Mr. T. Yuzbashev</i> State Research Institute of Genetics and Selection of Industrial Microorganisms
15:00 – 15:15	<p>Coffee break</p>	

	15:15	<ul style="list-style-type: none"> - Modulation of expression of activated oncogenes by RNA interference <i>Prof. Dr. V. Prasolov</i> Engelhardt Institute of Molecular Biology, RAS, Moscow - Alteration of catalytic mechanism of cytochromes P450 of the CYP74C subfamily by site-directed mutagenesis <i>Y. Toporkova</i> Institute of Biochemistry and Biophysics of KSC, RAS, Kazan - Biomolecular Interaction Analysis in Functional Proteomics <i>Prof. F. Herberg</i> Institute of Biology, University of Kassel, Kassel - Improvement of abiotic and biotic stress factor resistance in transgenic potato (<i>Solanum tuberosum</i>) plants as a result of different gene expression <i>Dr. S. Kirsanova</i> All-Russian Potato Research Institute by A.G. Lorkh, RAAS, Kraskovo - Legal regulation of modern reproductive technologies in Russia <i>Dr. E. Stebleva</i> Russian legal academy of the RF Ministry of Justice, Krasnoyarsk 	<ul style="list-style-type: none"> - Perspectives of the production of succinic acid by the yeast <i>Dr. S. Kamzolova</i> G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms, RAS, Pushchino - Industrial Biotechnology at the Leuna chemical site <i>Dr. M. Wolperdinger</i> Infra Leuna GmbH, Leuna - Epidemiological grounds in Russia and Europe for vaccine prophylaxy of hemorrhagic fever with renal syndrome and prospects of the vaccine development <i>Prof. Dr. E. Tkachenko</i> Chumakov Institute of polio-myelitis and viral encephalites, RAMS, Moscow Region
	17:00	Match-Making-Talks	
	17:30 – 18:30	Panel Discussion (Room: "Ellipse") Biotechnology – New Challenges for 2020 <u>Chair:</u> <i>Dr. Peter Haider</i> , Chemistry Cluster Bavaria <ul style="list-style-type: none"> - <i>Prof. Dr. Vladimir Popov</i> A.N. Bach Institute of Biochemistry, RAS National Contact Point FP7 - <i>Dr. Sergey Peltek</i> Institute of Cytology and Genetics, SB RAS - <i>Dr. Christian Patermann</i> German BioEconomy Council - <i>Prof. Dr. Horst Domdey</i> Bio^M Biotech Cluster Development GmbH, Bavaria 	
	19:30	Reception Gasthaus zum Erdinger Weißbräu Heighofstrasse 13 81377 München-Großhadern	
18.06.	10:00	Excursion to Biotech Institutes and Enterprises	
	19:00	Farewell Dinner	
19.06.		Individual Departure	

Match-Making-Talks

Please register at <http://www.b2match.com/biotechnology2010> to offer your cooperation proposals and coordinate your time schedule for the Match-Making-Talks.