

PROGRAM

of the International Conference

**«BIOTECHNOLOGY AS A SCIENTIFIC AND PRACTICAL
PRIORITY OF DEVELOPMENT OF KIROV REGION »**

Kirov

June 26 - 28, 2007

Government of Kirov Region

Vyatka State University

Yu.A. Ovchinnikov Russian Society of Biotechnologists

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**«BIOTECHNOLOGY AS A SCIENTIFIC AND PRACTICAL
PRIORITY OF DEVELOPMENT OF KIROV REGION »**

June 26 - 28, 2007

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ORGANIZERS:

Government of Kirov Region

Vyatka State University

Yu.A. Ovchinnikov Russian Society of Biotechnologists

WITH THE SUPPORT OF:

The State Duma of the Russian Federation

Union of Biotechnology Enterprises

Kirov Regional Center of Information and Innovations

SPONSORED BY:

Group of companies "AVANT-group"

OOO "Kirov BioChemPlant"

GE Healthcare Life Sciences

AGENDA OF THE CONFERENCE

The International Conference “Biotechnology as a Priority of Development of Kirov Region” will be held on June 26-28 in Kirov in the building of Vyatka State University (VGU), at the address: 36, Moskovskaya Str., Kirov.

How to get there:

- special conference bus with a plate “VGU Conference” from the railway station at 8.20 AM for participants arrived by train № 32 "Moscow-Kirov" or
- by trolleybus № 1 or bus № 23 from the stop "Railway station" (on the side of the railway station's building, do not get across the railway station's square) to the stop "Theatre Square"

Accommodation:

Hotel of to the Government of Kirov region; Hotel "Centralnaya"

Registration of participants at VGU:

- on June 26, the day of arrival, from 10.00 to 14.00 p.m.

Structure of Event:

June, 26: Plenary Session (14.00 – 18.00)

June, 27: Symposia (9.30 - 11.30)

Roundtables (9.30 – 11.30; 11.45 - 13.30; 14.30 - 15.30)

Presentations (16.00 – 18.00)

June, 28: Plenary Session (9.30 – 12.00)

Opening of the Conference: June 26, 14.00

Closing of the Conference: June 28, 12.00

Exhibition of materials and equipment related to the Conference profile will be working in the entrance hall of VGU on June 26 – 28, 2007.

Address of the Steering Committee: Moscow: 9, Universitetsky Ave.,

Moscow 119296

Tel.: +7-915-179-51-92

E-mail: obr@biorosinfo.ru

<http://www.biorosinfo.ru>

Kirov: 67, Engelsa Str., Kirov, 610000

Tel.: +7(8332) 624051

Fax: +7(8332) 629974

E-mail: cnti@cnti.kirov.ru,

innov@mail.ru

Location of the Steering Committee Working Group during the Conference:

VGU building at the address: 36, Moskovskaya Str., Kirov, Tel.: +7(8332) 321649

ORGANIZING COMMITTEE

CO-CHAIRMEN:

Grodetsky Denis Vladimirovich (Kirov)

Pimenov Evgueny Vasilyevich (Kirov)

Vasilov Raif Gayanovich (Moscow)

EXECUTIVE SECRETARY:

Turulo Valery Nikolayevich (Kirov)

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Gubkin Anatoly Alexeevich (Moscow)

Zverev Vitaly Vasilyevich (Moscow)

Ivanenko Alexander Ivanovich (Moscow)

Kandiba Yefim Ilyich (Moscow)

Kogan Val (USA)

Krasilnikov Igor Viktorovich (Moscow)

Kutyrev Vladimir Vasilyevich (Saratov)

Mezenova Olga Yakovlevna (Kaliningrad)

Miroshnikov Anatoly Ivanovich (Moscow)

Ovodov Yury Semenovich (Syktyvkar)

Ofitserov Evgueny Nikolayevich (Moscow)

Panteleev Dmitry Nikolayevich (Kirov)

Savintsev Ivan Vitalyevich (Moscow)

Cheremisin Georg (Finland)

CONFERENCE STRUCTURE

| | ASSEMBLY HALL OF VGU | SESSIONS HALL | ENTRANCE HALL OF VGU |
|-------------------------------------|---|--|----------------------|
| June, 26 14.00-18.00 | FIRST PLENARY SESSION | - | Exhibition |
| June, 27 9.30 -18.00 | <p style="text-align: center;"><i>Symposium</i> “MEDICAL BIOTECHNOLOGY: THEORY, METHODOLOGY, PRACTICE” 9.30 – 11.30</p> <p style="text-align: center;"><i>Roundtable Discussion No 2</i> “RUSSIAN-AMERICAN COOPERATION IN BIOTECHNOLOGY” 11.45 – 13.30</p> <p style="text-align: center;">Lunch 13.30-14.30</p> <p style="text-align: center;"><i>Roundtable Discussion No 3</i> ”EDUCATION AND INNOVATIONS IN BIOTECHNOLOGY” 14.30-15.30</p> <p style="text-align: center;"><i>Presentation</i> “REGIONAL, FEDERAL AND INTERNATIONAL PRIORITY PROJECTS OF KIROV REGION IN BIOINDUSTRY AND AGRIBIOTECHNOLOGY” 16.00 – 18.00</p> | <p style="text-align: center;"><i>Roundtable Discussion No 1</i> "NEW TECHNOLOGIES IN AGRIBIOTECHNOLOGY, FORESTRY AND BIOENERGY INDUSTRY" 9.30 - 11.30</p> | Exhibition |
| 28 июня 9.30 – 12.00 | CLOSING PLENARY SESSION | | Exhibition |

PROGRAM

CONFERENCE OPENING

**June 26, 2007
(Tuesday)**

Assembly Hall of VGU

FIRST PLENARY SESSION

Start at 14.00

Chairmen:

D.V. GRODETSKY, Deputy Chairman of the Government of Kirov Region,
Prof. E.V. PIMENOV, Head, Vyatka State University,
Prof. R.G. VASILOV, President, Russian Y.A. Ovchinnikov Society of
Biotechnologists

Welcome Addresses

Reports:

- 1. Importance of Biotechnology for the Social and Economic Development of Kirov Region.**
D.V. GRODETSKY, Deputy Chairman of the Government of Kirov Region
20 min.
- 2. Progress of Modern Biotechnology Worldwide and in Russia: Comparative Analysis**
Prof. R.G. VASILOV, President, Y.A. Ovchinnikov Russian Society of
Biotechnologists (Moscow)
20 min.
- 3. Prospects of Establishing a Scientific and Educational Center for Biotechnology, Aerobiology, General and Industrial Microbiology in Kirov**
Prof. E.V. PIMENOV, Head, Vyatka State University (Kirov)
20 min.
- 4. Mid-Atlantic Region as the Main Partner of Russian Biotechnology Companies and the Main Center for Technological Co-operation between Russia and the USA**
Val KOGAN, President, Mid-Atlantic - Russia Business Council
(Philadelphia, the USA)
20 min.

Coffee-Break 15 min.

5. Current aspects of Bioindustry Development and Biotechnological Cluster Formation in Kirov Region

A.I. IVANENKO, Chairman of the Board of Directors, Union of Biotechnology Enterprises (Moscow),
Chairman of the Board of Directors, OAO "Vostok" (Kirov)

20 min.

6. Biomass Biotechnology and Its Role in Energy Safety Provision

Prof. E.N. OFITSEROV, Russian D.I. Mendeleev State University of Chemistry and Technology (Moscow)

20 min.

7. Medical Biotechnology in Diagnostics, Treatment and Prevention of Socially Significant Diseases

Prof. I.V. KRASILNIKOV, Deputy CEO "NPO "Microgene" (Moscow)

20 min.

8. Successful Technology Based Investment, Company Formation, and Economic Development

DOROSH PLATIKA, Past President & CEO, Pittsburg Life Sciences Greenhouse

20 min.

9. Complex Processing of Secondary and Primary Raw Materials into the Functional Products for Man and Animals

Prof. E.G. BORISENKO, Moscow Institute of food Technology

20 min.

Evening - Reception

**June 27, 2007
(Wednesday)**

Assembly Hall of VGU

**SYMPOSIUM
"MEDICAL BIOTECHNOLOGY:
THEORY, METHODOLOGY, PRACTICE"**

9.30 – 11.30

Chairmen: I.V. KRASILNIKOV (Moscow),
S.G. LITVINETS (Kirov)

Reports (20 min. each):

1. GE Healthcare Life Sciences Company Products.

E.I. KANDIBA, PhD, GE Healthcare Life Sciences Company.

2. New Cardiovascular and Neurological PET (Positron Emission Tomography) Imaging Agents For Detection of Vulnerable Plaques And Neurological Diseases.

Stanley SATZ, President and Chief Scientific Officer, Bio-Nucleonics Inc.

3. Current State and Perspectives of the Development of Specific Immunoglobulin Preparations for Intravenous Injection.

A.V.DROBKOVA, PhD, Kirov Institute of haematology and blood transfusion

4. Biologically Active Supplements.

L.M. KULEMIN, ZAO "Yagodniy" (Kirov),

A.P. RUSSKIKH, OOO "Biojodine" (Kirov)

5. Hydrozone Diagnostic Preparations for Non-instrumental Revealing the Infectious Agents and Somatic Pathology

Prof. A.G. MESHANDIN, Kirov State Medical Academy

Short Communications (5 min. each) :

1. Genes of Cytokines and their Receptors as the Markers of both Predisposition to Rheumatoid Arthritis and Varieties of Clinical Course of the Disease in Different Ethnic Groups of Chelyabinsk Region.

D.S. STASHKEVICH, Post-graduate, Chelyabinsk State University

2. Immunogenetic Methods for early diagnosis of Rheumatoid Arthritis

E.B. KHROMOVA, Post-graduate, Chelyabinsk State University

3. Methodology of Chemical Enzymology applied in Technology for Production of Heterologous Blood Biopreparations

A.K. BARSUKOV, A.N. BOKHAN, E.N. ZHELTYSHEV, F.M. KASYMOV,

A.I. KUZNETSOV, O.Yu. NESTEROVA, O.V. KOZHEVNIKOVA, A.A.

FEDOROVA, V.A. KHRAMOV, Udmurt State University (Izhevsk)

Discussion

Coffee-Break 15 min.

**June 27, 2007
(Wednesday)**

**Sessions Hall
(1-310)**

**ROUNDTABLE DISCUSSION NO 1.
"NEW TECHNOLOGIES IN AGRIBIOTECHNOLOGY, FORESTRY
AND BIOENERGY INDUSTRY"**

9.30 – 11.30

**Curators : V.N. TURULO (Kirov),
D.N. PANTELEEV (Kirov)**

Reports (20 min. each):

1. Cellular and Microbial Biotechnologies for Increase of Efficiency in Plant Cultivation

I.G. SHIROKIKH, N.V.Rudnitsky Zonal South-East Research Institute for Agriculture (Kirov)

2. Biochemical Processes Ensuring the Gas-Production

I.V. MASLENNIKOVA, Central Research and Planning Institute of Wood-Chemical Industry (Kirov)

3. Regional, Federal and International Priority Projects of Kirov Region in Bioindustry and Agribiotechnology

Yu.V.KIRILLIN, General Director, Scientific and Research Center "Centrbiotin" (Kirov)

Short communications:

1. Methods of Increasing the Effectiveness of the Eatable Mushroom *Oyster (Pleurotus Ostreatus)* Production

S.V.KOPYL'TSOV, Post-graduate, Cuban State Agriculture University (Krasnodar)

2. Biodegradation of lignine- containing wastes

N.S.MOKRUSHINA, Post-graduate, Vyatka State University (Kirov)

Discussion

Questions for Discussion:

- Ecological Agriculture,
- Modern Veterinary Preparations,
- Biomass Production and Processing,
- Biofuel: Regional Opportunities

June 27, 2007.
(Wednesday)

Assembly Hall of VGU

ROUNDTABLE DISCUSSION NO 2.
«RUSSIAN-AMERICAN COOPERATION IN BIOTECHNOLOGY»

11.45 – 13.30

Curators: R.G. VASILOV (Moscow),
Val KOGAN (USA),
E.V. PIMENOV (Kirov),
James H. WOLFRAM (USA)

Presentations:

1. Cluster Creation and Capital

Thomas D. NASTAS, Founder, President and CEO, Innovative Ventures, Inc.

60 min.

2. USIC: Historic Relationship with Russian-American Cooperation in Biotechnology Projects

John GALLAGHER, Chairman, United States Industry Coalition

20 min.

3. Infrastructure, Organization and Operation Mechanisms of Projected Biotechnology Park in Kirov Region

V.M. SLAVJANSKY, Pro-rector, Vyatka State University (Kirov)

20 min.

4. BioIndustry Initiative: Empowering International Biotechnology Partnerships

Maria A. DOUGLASS, President, ImPart; Deputy Program Director, Accelerated Drugs & Vaccine Development, BioIndustry Initiative

20 min.

Discussion

Questions for Discussion:

- Prospective Projects for Co-operation between Russia and the USA,
- The Role of Public Organizations,
- Venture Investments;
- Protection of Intellectual Property;
- State Support of Small and Medium Business.

Lunch Break

13.30 – 14.30

June 27, 2007
(Wednesday)

Assembly Hall of VGU

ROUNDTABLE DISCUSSION NO 3.
«EDUCATION AND INNOVATIONS IN BIOTECHNOLOGY»

14.30 – 15.30

Curators: A.M. BORONIN (Puschino),
E.V. PIMENOV (Kirov),
A.K. BARSUKOV (Izhevsk)

Short Presentations (5 min. each):

1. Management and (self)management in the Process of Science Intensive Innovative (bio)-technological Cycles

N.I. LEONOV, A.K. BARSUKOV, A.N. BOKHAN, E.N. ZHELTYSHEV, F.M.

KASYMOV, A.I. KUZNETSOV, O.Yu. NESTEROVA, O.V.
KOZHEVNIKOVA, A.A. FEDOROVA, V.A. KHRAMOV, Udmurt State
University (Izhevsk)

2. Realization of the National Program "Education" by the example of Vyatka State University

S.G. LITVINETZ, Dean of Biology Faculty, Vyatka State University (Kirov)

3. Programs of the Foundation for Development of Small Companies in Science and Technology.

I.V. SAVINTSEV, Foundation for Development of Small Companies in Science and Technology (Moscow)

Short Communications (5 min. each):

A.V. LYALIN (Kirov), E.I. KANDIBA (Moscow),

Discussion

Questions for Discussion:

- Essential Professions as a Basis for Staff Training in Biotechnology
- Prospective Professions for the Future: Biotechnologist of the 21st Century (Bioinformatics, Proteomics, Genomics, etc.);
- "Brain Drain" in Biotechnology: the Problem of Staff Retention (New Opportunities);
- Issues of Continuous Education in Biotechnology (Advanced and Post-Graduate Training);
- Issues of Career-Guidance and Staff Selection;
- Foreign Experience in Staff Training;
- Science-Education-Industry Network.

June 27, 2007
(Wednesday)

Assembly Hall of VGU

PRESENTATION
"REGIONAL, FEDERAL AND INTERNATIONAL PRIORITY
PROJECTS OF KIROV REGION IN BIOINDUSTRY
AND AGRIBIOTECHNOLOGY"

16.00-18.00

Curators: A.I. IVANENKO (Moscow),
E.N. OFITSEROV (Moscow),
V.N. TURULO (Kirov)

Presentations (15 min. each):

1. Automatic Compressive-Distractor Apparatus of External Fixation for the

Extremity Lengthening.

I.A. YEFIMOVA, OOO "New Orthopedic Devices" (Sarov)

2. Fluorine-Polymeric Medical Devices.

Prof. E.P. SVEDENTSEV, Kirov Institute of haematology and blood transfusion,
Z.L. BASKIN (Plant of polymers production, Kirovo-Chepetzk chemical industrial complex)

3. New Nutrient Media for Lactobacteria Cultivation.

E.A. DURNEV, Post-graduate, Vyatka State University (Kirov)

4. Probiotic Preparation Based on Cattle Blood Hydrolyzate.

A.V. PIKOV, Post-graduate, Vyatka State University (Kirov)

5. Covering "Artificial Stone" for Microbiological Boxes.

N.A. ELPASHEVA, Post-graduate, Vyatka State University (Kirov)

6. Bioconversion of Natural Organic Feedstock for Obtaining the Fodder Additive Enriched by Aminoacids.

L.Zh. NIKOSHVILY, Engineer, NIL "Catalysator", Post-graduate, Tver' State Technical University

7. Biologically Active Substances Obtained by the Deep Cultivation of Higher Fungi.

V.A. SPIRIDONOVA, Post-graduate, Sankt-Peterburg State Technical Institute.

Evening – Cultural Program

**June 28, 2007
(Thursday)**

Assembly Hall of VGU

CLOSING PLENARY SESSION

Starts at 9.30

Chairmen:

Prof. E.V. PIMENOV, Head, Vyatka State University,
Prof. R.G. VASILOV, President, Y.A. Ovchinnikov Russian Society of Biotechnologists,
A.M. BORONIN, Correspondent Member of RAS, Director, G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences

Reports:

1. Basic Directions of Modern Biotechnology: Agribiotech, Medbiotech, Ecobiotech

Lawrence KOGAN, CEO, Institute for Trade, Standards and Sustainable

Development (ITSSD)

20 min.

2. Prospects of Bioenergy Development in Kirov Region.

D.N. PANTELEEV, OOO "Kirov BioChemPlant"

20 min.

3. Bionanotechnologies: Theoretical and Practical Aspects.

V.M. SHVETZ, Member of the Russian Academy of Medical Sciences,

M.V. Lomonosov Moscow Academy of Fine Chemical Technology

20 min.

General Discussion

Adoption of resolution

CLOSING OF THE CONFERENCE

The Exhibition “Biotechnology in Kirov Region” will function during the Conference