

**Yu.A. Ovchinnikov Russian Society of Biotechnologists  
National Biofuel Association**



**FIRST INTERNATIONAL CONGRESS  
FOR BIOTECHNOLOGY, BIOENERGY AND  
BIOECONOMY  
24-25 APRIL, 2008 , MOSCOW, RUSSIA**

**PROGRAM**

## Day 1

April 24, 2008, Thursday

World Trade Center

8:00 - 16:00 **Registration open**

9:00 - 9:20 **Congress opening ceremony** **HALL A**  
*Oleg MOROZOV, First Deputy Chairman, Russian Federation State Duma, Chairman of the Trustee Board of the Russian Society of Biotechnologists, Honorary Chairman of the Organizing Committee*  
*Representatives of state, business and public organizations*

9:20 – 13:00 **FIRST PLENARY SESSION** **HALL A**  
**Global Bioeconomy – Driving Forces**  
**Chairmen:** Christian PATERMANN (Germany),  
Vladimir POPOV (Russia)

9:20– 9:50 **Role of Biotechnology in social and economical development of Russia.**  
*Dr. Oleg MOROZOV, First Deputy Chairman, Russian Federation State Duma, Chairman of the Trustee Board of the Russian Society of Biotechnologists, Prof. Raif VASILOV, President, Yu.A. Ovchinnikov Russian Society of Biotechnologists, Russia*

9:50 – 10:20 **Innovation Policy of the State of North Rhine-Westphalia focusing on Biotechnology**  
*Dr. Beate WIELAND, Ministry of Innovation, Science, Research and Technology of the State of North Rhine-Westphalia, Germany*

10:20 – 10:50 **Biotechnology in Economy Progress in China**  
*Prof. Yin LI, Director, Center for Bioenergy and Industrial Biotechnology, Institute of Microbiology, Chinese Academy of Science, China*

10:50 – 11:20 **Coffee Break**

10:50 – 11:20 **Press-Briefing**

11:20 – 11:45 **Biotechnology breakthrough in Healthcare and Life Sciences**  
*Peter EHRENHEIM, CEO, GE Healthcare Life Sciences, Sweden*

11:45 – 12:10 **The Knowledge-Based Bioeconomy - from Concept to Practice: Experiences in Germany and Europe**  
*Dr. Christian PATERMANN, Advisor to the NRW State Government, Germany*

12:10 – 12:35 **The 7<sup>th</sup> EU Research Framework Programme and the Knowledge-Based Bio-Economy**

Prof. **Alfredo AGUILAR**, Head of Unit Biotechnologies, Directorate Food, Agriculture and Biotechnology, Directorate-General Research, European Commission, EU

12:35 – 13:00 **State policy and priorities of biotechnology development in India**  
**Ramachandrapa SUBRAMANI**, CEO, Richcore Lifesciences Private Ltd., Bangalore, India

13:00 – 14:00 **Lunch**

## **SECTIONS**

14:00 – 18:00 **Section 1** **HALL A**  
**Industrial Biotechnology, Bioenergy and Biomaterials**

**Chairmen:** Liekel FABER (Netherlands),  
Sergey KALYUZHNYI (Russia)

14:00 – 14:25 **Global Outlook on Biomass Supplies: Potentials, Markets and Securing Sustainability**  
Dr. **Andre FAAIJ**, Associate Professor, Copernicus Institute - Utrecht University, The Netherlands

14:25 – 14:50 **Energy Potential of Anaerobic Digestion in Russia and Ways of its Application**  
Prof. **Sergey KALYUZHNYI**, State Corporation "Rosnanotech", Russia

14:50 – 15:15 **How Sustainable are Biochemicals and Biobased Materials?**  
Dr. **Guido REINHARDT**, Scientific Director, IFEU Institute for Energy and Environmental Research, Heidelberg, Germany

15:15 – 15:40 **Bio-Renewable Based Biopolymers**  
Dr. **Andrey GLINSKY**, DuPont, Russia

15:40 – 16:00 **Coffee Break**

16:00 – 16:25 **Genencor's Role in Bringing Second Generation Bioethanol Closer to the Market**  
**Bjarne ADAMSEN**, Genencor-Danisco, Denmark

16:25 – 16:50 **The Biogas Boom in Germany**  
**Michael KOTTNER**, Biogas Centre of Excellence, Kirchberg, Germany

16:50 – 17:15 **Finnish Technologies for Biomass-to-Energy Application**  
**Pasi MAKKONEN**, Global EcoSolutions Oy, Finland

17:15 – 17:40 **Different Approaches for Enzymatic Conversion of Lignocellulosic Biomass**  
Prof. **Arkady SINITSYN**, Institute of Biochemistry RAS, Moscow, Russia

17:40 – 18:00 **Discussion**

14:00 – 15:40 **Section 2** **HALL B**  
**Agribiotechnology and Veterinary Biotechnology**

**Chairman:** Igor TIKHONOVICH (Russia)  
Konstantin GRUZDEV (Russia)

14:00 – 14:20 **Biotechnology of Plant-Microbial Systems**  
*Prof. Igor TIKHONOVICH, academician RAAS, Institute of agricultural microbiology RAAS, St.-Petersburg, Russia*

14:20 – 14:40 **Sorghum in Africa: the Crop of the Past and the Future**  
*Prof. Dr. Niklaus AMMANN, Director, Africa Harvest, Switzerland*

14:40 – 14:55 **Biotechnological Approaches for Treatment of Young Farm Animals from Non-Infectious Diseases.**  
*Dr. Larisa GNEZDILOVA, K.I. Skryabin Moscow state academy for veterinary medicine and biotechnology, Russia*

14:55 – 15:10 **Immunobiological preparations for Animal Health**  
*Prof. Dr. Dmitriy KUZNETSOV, “Pokrov plant for biopreparations”, JSC, Russia*

15:10 – 15:25 **Diagnostics and Prevention of Rabies in RF Based on Experience in Kaliningrad Region**  
*Dr. Artem METLIN, Animal Health Centre, Vladimir, Russia*

15:25 – 15:40 **The Concept of Vertically Integrated Agri-Company & Environment’s Recovery**  
*Alexander CHUMAKOV, corresponding member, RAEN, vice-president, Russian Green Cross, Moscow, Russia*

15:40 – 16:00 **Coffee Break**

16:00 – 18:00 **Section 3** **HALL B**  
**Venture Investments in Biotechnology. Priority Russian and Eurasian Projects**

**Chairmen:** Alexey KONOV (Russia)  
Evgeny ZAYTSEV(USA)

16:00 – 16:20 **Biotech Venture Financing Worldwide and in Russia: Prospects and Constrains. View from the First Specialized Russian Biotech VC**  
*Alexey KONOV, managing director, Bioprocess Capital Partners, Moscow, Russia*

16:20 – 16:40 **Venture Capital Investing in Biotechnology: Business Fundamentals**  
*Evgeny ZAYTSEV, partner, Asset Management Company, USA*



- 11:00 – 11:20 **Coffee Break**
- 16:40 – 17:00 **Financial Solutions for Industrial Production of Biopharmaceutical Preparations in Russia**  
*Peter TCHERNYCH, GE Healthcare Life Sciences, Finland*
- 11:40 – 12:00 **Biotechnological Approaches to Diagnostics and Treatment of Oncology Diseases.**  
*Stanley SATZ, Bio-Nucleonics, USA*
- 12:00 – 12:20 **Biopharmaceutical Pilot Plant in Pushchino**  
*Victor NIKULIN, BioRAN, Pushchino, Russia*
- 12:20 – 12:40 **WorkBeads: Leading Edge Agarose Based Chromatography Media for the Life Science, Food, Dairy, Beverage and Environmental Biotechnology**  
*Dr. Gabriel HALAT, Bio Quenta Consulting e.U., Vienna, Austria*
- 12:40 – 13:00 **TRAST – the First Russian Commercial GLP Center for Pre-Clinical Trials**  
*S.KARABASHEV, ZAO “ TRAST”, Russia*
- 9:00 – 11:00 **Section 5 HALL B**  
**Intellectual Property Rights and Technology Transfer**
- Chairmen:** Sergey VARFOLOMEEV (Russia)  
Aksel BUCHTER-LARSEN (Denmark)
- 9:00 – 9:20 **Recent Developments Affecting Patent Protection in Europe**  
*Aksel BUCHTER-LARSEN, Danisco, Denmark*
- 9:20 – 9:40 **Intellectual Property Rights and Technology Transfer in Russia and CIS**  
*Vladimir UREZHENKO, International Science and Technology Center, Moscow, Russia*
- 9:40 – 10:00 **Patent Protection and Technology Transfer in Biotechnology, especially Biomolecular Diagnostics: European Experience**  
*Dr. Maaike van VELZEN, European Patent Attorney, Philips Intellectual Property and Standards, The Netherlands*
- 10:00 – 10:20 **Taking Advantage of IP Protection to Advance Russian Biotech**  
*Dr. Lawrence A. KOGAN, Institute for Trade, Standards and Sustainable Development, USA*
- 10:20 – 10:40 **Patentability of Plants, Animals, Human DNA and Stem Cells in Europe**  
*Dr. Bart SWINKELS, European Patent Attorney, Denmark*

10:40 – 11:00 **Biotechnology – Patent & Plant Protection in India**  
*Mita SHAIKH, Krishna & Saurastri, Mumbai, India*

11:00 – 11:20 **Coffee Break**

11:20 – 13:00 **Section 6** **HALL B**  
**Biotechnology of Food Feedstock Processing**

**Chairmen:** Dmitry ARSENJEV (Russia)  
Cemal PARLAK (Turkey)

11:20 – 11:40 **Glucose Syrups: Technology, Production, Market**  
*Dr. Cemal PARLAK, Biovizyon Ltd., Istanbul, Turkey*

11:40 – 12:00 **“Wet-Mill” Technology: Deep-Processing of Crops**  
*Ilgisar YAKUSHEV, Tatnefteinvestholding, Tatarstan, Russia*

12:00 – 12:20 **Economical Efficiency of Production of Bioethanol and Sub-Products: from Feedstock to Market**  
*Dmitry ARSENJEV, NPK “Ecologia”, Russia*

12:20 – 12:40 **Complex Processing of Organic Waste: Biogas and Fertilizers – Russian Experience**  
*Elena FOMICHEVA, Greentek Ltd., Russia*

12:40 – 13:00 **Discussion**

13:00 – 14:00 **Lunch**

14:00 – 15:20 **Section 7** **Hall A**  
**Bioregions as a key basis of Bioeconomy**

**Chairmen:** Viktor GRISHIN (Russia)  
Yuri VOLOSHIN (Russia)

14:00 – 14:15 **Program of biotechnology Development in Chuvash Republic**  
*Yuri VOLOSHIN, Minister of industry and energy of Chuvash Republic, Cheboksary, Chuvash Republic*

14:15 – 14:30 **Naukograd “Pushchino” as a Basis of Biotechnology Cluster in Moscow Region**  
*Prof. Anatoli MIROSHNOKOV, academician RAN, Chairman of the Pushchino Science Centre of the Russian Academy of Sciences, Pushchino, Moscow region*

14:30 – 14:45 **Finnish Eco-City as a Model for Russia**  
*Pasi MAKKONEN, Global EcoSolutions Oy, Finland*

14:45 – 14:55 **Biotechnology Potential of the Kirov Region**  
*Valery TURULO, Member of Parliament of Kirov region, Kirov*

- 14:55 – 15:05      **Bioregions of the Mid-Atlantic States of America**  
*Val Kogan, president, Mid-Atlantic – Russia Business Council*
- 15:05 – 15:20      **Discussion**
- 14:00 – 15:20      **Round Table: Basic Principles of Legislative Regulation of Biopharmaceutical Industry      Hall B**
- Moderator:** Anatoly GUBKIN (Russia)  
Ramil KHABRIEV (Russia)
- Participants:** *Andrey MLADENTSEV, deputy Head, Roszdravnadzor, Moscow, Lalit CHOKHANI, Chokhany Pharma Ltd., India, Viktor DMITRIEV, executive director, Association of Russian Pharmaceutical Manufactures, Moscow, Alexander FEDOTOV, president, ASINCOM, Ivan VASILENKO, deputy general director, State Centre for antibiotics, Moscow, Igor KRASILNIKOV, head of R&D, FGUP “NPO “Microgene”, Moscow, Vasily YURASOV, deputy director, Independent Laboratory INVITRO, Ltd., Moscow*
- 15:20 – 15:40      **Coffee Break**
- 15:40 – 17:30      **SECOND PLENARY SESSION      HALL A**  
**Prospects of International Eurasia Cooperation in Biotechnology**
- Chairmen:** Brian CLARK (UK)  
Raif VASILOV (Russia)
- 15:40 – 16:10      **Development of Russia’s economy in the context of globalization and new technological shifts.**  
*Prof. Dr. Sergey GLAZJEV, corresponding member of the RAS, director, Institute of the National Strategy, Moscow, Russia*
- 16:10 – 16:30      **Experience of Cooperation between the EU and Asian Countries in Biotechnology**  
*Prof. Dr. Brian CLARK, Vice President, European Federation of Biotechnology*
- 16:30 – 16:50      **Strategy of Biotechnology Development in Kazakhstan Republic**  
*T. RAKHIMBEKOV, president, KazAgroInnovation, JSC, Kazakhstan*
- 16:50 – 17:10      **USIC: Russian-American partnership in development of biotechnology projects**  
*John GALLACHER, Chairman, US Industrial Coalition*
- 17:10 – 17:30      **General Discussion**
- Resolution**
- Closing of the Congress**

## **II. PARTNERING**

April 24-25, 2008, HALL C

## **III. Poster Sessions “Russian Biotechnology Regions”**

April 24-25, 2008, HALL D

**Naukograd «Pushchino» (Moscow region)**

**Biotechnology Projects Implementation in Kirov region**

**Biotechnology in Chuvash Republic**

**Obninsk Bio-Technopark (Kaluga region)**