INTERNATIONAL SYMPOSIUM

Cosponsored by ISTC & NAS USA

Host organization:
Volgo-Vyatski State Scientific Center of Applied Biotechnology

SEVERE INFECTIOUS DISEASES:
Epidemiology, Express-Diagnostics, and Prevention.

Preliminary Agenda

Kirov region, June 16-20, 1997
Monday, June 16

9.00. -12.00. Arrival and registration of participants in Kirov.

12.00. Tour of city.

19.00. Welcoming reception.
Tuesday, June 17. Plenary Meeting: 8.50.-19.30.


8.50.-9.00. Welcome by G. M. Tulyankin, Director of the Volgo-Vyatki State Scientific Center of Applied Biotechnology, Kirov region

9.00-9.10. Welcome by Foreign Representative.


9.20-9.50. *Up-to-date Problems with Prophylaxis of Severe Infectious Diseases*

   Academician A.A. Vorob'ev, MMA, Prof. B. Cherkassky, Central Research Institute of Epidemiology, Moscow, Dr. A. Stepanov, State Scientific Center "Applied Microbiology", Obolensk, A. Kyuregan, Anti-Plague Center of Ministry of Health of Russian Federation, Moscow.


   Academician D. L'vov, D.I. Ivanovsky Institute of Virology of RAS, Moscow.

10.20.-10.50. *The Role of Zooanthroponoses in the Current Status of Infectious Diseases and Their Environmental Effects (Plague, Cholera, Ebola Haemorrhagic Fever, Anthrax, Smallpox, Foot and Mouth Disease, Rabies, Rift Valley Fever).*

   Dr. S. Afanas'ev, Institute of Immunology, Lyubuchany.


11.10.-11.40. *Optimization of Strategy of Monitoring for Natural Sites of Plague and Other Severe Infectious Diseases*

   Profs. A. Naumov, A. Kokushkin, Russian State Research Institute "Microb", Saratov

11.40.-12.10. *Current Epidemiological Status of Anthrax Prophylaxis in Russia*

   Prof. B. Cherkassky, Central Research Institute of Epidemiology, Moscow
12.10.-12.40. *Conventional Diseases: Status and Readiness of the Convention Member-States to Undertake Preventive Measures Against Zooanthroponoses*
   
   Acad. G. Safonov, the Pokrov Plant of Biopreparations, Pokrov.

   
   Dr. Jack Melling, CAMR


14.00.-14.30. *International Perspectives on Collaboration on the Control of Zooanthroponoses and Other Diseases Caused by High Level Pathogens.*
   
   Representative of the United States

14.30.-15.00. *Prevention and Control of Cholera and Plague in Kazakstan*
   
   Dr. V. Dobritsa, Director of the Kazak Anti-Plague Institute, Almaty.

15.00.-15.30. *The Study of Prevalence, Genotype Distribution and Molecular Variability of Isolates of Hepatitis C in the West Siberian Part of Russia.*
   
   Prof. S. Netesov, Institute of Molecular Biology, SRC VB "Vector", Koltsovo.

15.30.-16.00. *Glanders and Melioidosis: Current Situation and Promising Diagnostics, Treatment and Prophylaxis.*
   
   Dr. V. Ilyukhin, Anti-Plague Scientific Research Institute, Volgograd.

   
   Dr. Alekseev, Anti-Plague Scientific Research Institute, Volgograd.


   
   Dr. A. Stepanov, State Scientific Center, Obolensk.
17.20.-17.50. Ecological Characteristics and Virulent Factors of Agents of Severe Mycosis.
   Dr. A. Lipnizkyi, Anti-Plague Scientific Research Institute, Volgograd.

17.50.-18.20. New Approaches to Epidemiological Monitoring for Agents of Natural Sites and Other Severe Infectious Diseases.
   Prof. V. Efremenko, Director of Anti-Plague Scientific Research Institute, Stavropol.

18.20.-18.50. Monitoring of Quantitative and Qualitative Parameters of Especially Dangerous Infections Based on Natural Plague Foci in the Republic of Kazakstan (ISTC Project #K-159).
   Prof. A. Ashimov, Institute of Informative and Control Problems of Academy of Sciences of the Republic of Kazakstan, Almaty.


Wednesday, June 18. Work in Sessions.

Session 1
(In parallel with Section 2).

Problems of Prophylaxis of Severe Diseases,
Test-Systems for Early Diagnosis.

Cochairmen: Dr. A. Makhlai; Prof. V. Zav'yalov, Institute of Immunology, Lyubuchany.

Prof. V. Gavrilov, Director of the Pokrov Plant of Biopreparations, Pokrov.

9.30.-10.00. *New Vaccine for Anthrax Prophylaxis in Humans.*
Dr. I. Kravez.

10.00.-10.30. *Development of a New Generation of Preparations for Diagnostics, Treatment and Prophylaxis of Yersinia Using the Latest Discoveries in the Study of Molecular Mechanisms of their Immunopathogenicity.*
Prof. V. Zav'yalov, Institute of Immunology, Lyubuchany.

10.30.-11.00. *Molecular Diagnostics of Severe Infections.*
Drs. V. Drygin, V. Andreev, A. Lomakin, VNIIZH, Vladimir.

11.00.-11.20. Coffee break.

Prof. B. Cherkassky, Central Research Institute of Epidemiology, Moscow

11.50.-12.20. *Investigation of the Problem Relating to Development of Preventive and Medicinal Agents Against Ebola Haemorrhagic Fever.*
Drs. A. Makhlai, V. Mikhailov, I. Borisevich
12.20.-12.50. *Optimization of Cytokines' Administration the Treatment of Infectious Diseases.*
Prof. S.S. Afanas'ev, Prof. Yu.T. Kalinin, Drs. G.Ya.
Scherbakov, L.A. Denisov, O.V. Rubal'skyi, S.Yu. Pchelinsev,
JSC “Biopreparat”, Moscow.

Dr. N. Khrapova, Anti-Plague Scientific Research Institute,
Volgograd.


14.00.-14.30. *New Approaches to Immunoprophylaxis and Treatment of Tularemia on the Basis of Molecular Immunological Studies.*
Dr. V. Abramov, Institute of Immunology, Lyubuchany.

Prof. Yu. Mironenko, Director of the Joint Stock Company
“Omutinskoy Scientific, Experimental and Industrial Base”,
Omutinsk.


16.50.-17.20. *Elaboration of Drug Preparations with Direct Action for Treatment of Severe Infectious Diseases.*
Prof. V. Efremenko, Anti-Plague Scientific Research Institute,
Stavropol.

17.20.-17.50. *Development of New Reagents for Immunological Analysis.*
Dr. A. Chudinov, GosNII of Biological Instrument Making,
Moscow.

17.50.-18.20. *Development of an Amplification Test-System and Equipment for Express-Diagnostics of Diphtheria by Using a Polymerase Chain Reaction (ISTC Project #506).*
Dr. B. Sokov, Scientific Research Center for Toxicology and Sanitary Certification of Biopreparations, Moscow Region.

18.20.-18.50. *Development of New Ways and Technical Means for SI Identification on the Basis of Immunological Analysis*
Dr. N. Osin, GosNII of Biological Instrument Making, Moscow.

Wednesday, June 18.

Session 2

(In parallel with Section 1).

Technology for Development and Administration of Medicinal Forms and Biopreparations

Cochairmen: Dr. N. Vasil’ev; Dr. E. Sventitskiy, Director of the GosNII of Extrapure Biopreparations, St. Petersburg, Prof. N. Medunitsyn, Director of RGISK, Moscow.

   Prof. N. Medunitsyn, Director of RGISK, Moscow.

   Dr. P. Olin, Swedish Institute for Infectious Diseases Control.

10.00.-10.30. Basic Methods for Evaluation and Quality Control of Biopreparations in RF.
   Prof. T. Bakhtimirov, RGISK, Moscow.

10.30.-11.00. Non-Viral Biopreparations on the Basis of Synthetic Peptides.
   Dr. S. Rybakov, VNIIZHZ, Vladimir.

11.00.-11.20. Coffee break.

11.20.-11.50. Evaluation of Effectiveness of a Combined Anti-Anthrax Vaccine.
   Drs. V. Kozhukhov, I. Kravets, N. Sadovoy, V. Seroglazov.

11.50.-12.20. Immunology of Revaccination
12.20.-12.50. Development of Efficient and Safe Technologies in the Production of Anti-Anthrax Preparations on the Basis of Vaccine Strains.
   Dr. A. Manichev, VGNKI of Vetpreparations, Vladimir.

13.00.-14.00. Lunch.

14.00.-14.30. Production of Diagnostic and Vaccine Anti-Plague Preparations.
   Drs. I. Tikhonov, A. Kovtun


   Prof. A. Samuilenko, Dr. E. Ruban, VNII and TIBP.

17.20.-19.00. Round Table Discussions.

   During the dinner, chairmen of the Sections will exchange opinions of the results of the sections activities.
Thursday, June 19.

Session 1.

(Continuation of Work Session in parallel with Section 2).

Problems of Prophylaxis of Severe Diseases,
Test-Systems for Early Diagnosis.

Co-chairmen: Dr. E. Pimenov; Prof. V. Efremenko, Scientific Research Institute of Plague, Stavropol.

9.00-9.30. Molecular and Biological Investigation of Orthopoxviruses Pathogenic for Humans (Monkeypox Virus, Cowpox Virus).
Dr. S. Shelkunov. SSC VB "Vector", Koltsovo.

9.30.-10.00. Immunodiagnosis of the Opisthorchiasis.
Dr. V. Loktev. SSC VB "Vector", Koltsovo.

10.00.-10.30. Cloning of Specific Nucleotide Sequences of Pseudomonas pseudomallei for Application in Elaboration of Diagnostic Preparations.
Dr. I. Abaev, SSC "Applied Microbiology", Obolensk.

10.30.-11.00. Stress Reaction of Bacteria - Agents in Immuno- and Pathogenesis of Severe Infectious Diseases.
Dr. C. Biketov, SSC "Applied Microbiology", Obolensk.

11.00.-11.20. Coffee break.

11.20.-11.50. Molecular-Biological and Immunochemical Analysis of Clinical Strains of Tuberculosis and Mycobacteriosis.
Dr. I. Schemyakin, SSC "Applied Microbiology", Obolensk.

11.50.-12.20. Evaluation of Therapeutic Activity of Quinolone Group Preparations in the Treatment of Severe Infections.
Drs. N. Vasil'ev, V. Levchuk, V. Kalininskiy, S. Kuznetsov

12.20.-12.50. Experimental Justification of Chemotherapeutical Methods for Plague Treatment at the Stage of Endotoxic Shock.
Drs. N. Vasil'ev, V. Romanov, B. Shabalin

13.00.-14.00. Lunch.
14.00.-14.30. *Indication of Aboviruses and Specific Diagnostics of Particularly Dangerous Arbovirus Infections by Time-Resolved Fluoroimmunoassay (ISTC Project #624).*

Dr. V. Pomelova, State Research Institute of Biological Engineering, Moscow.

14.30.-15.00. *Elaboration of Treatment of Chronic Melioidosis Using Specific Immunogenes of Pseudomonas.*

Dr. I. Kalachev, SSC “Applied Microbiology”, Obolensk.


Dr. N. Starisyn, SSC “Applied Microbiology”, Obolensk.

15.30.-16.00. Speech of EU Representatives.


Drs. S. Gordeev, A. Glukhov, All Russian Scientific Center of Molecular Diagnostics and Treatment, Moscow.


Dr. A. Voronov, All Russian Scientific Center of Molecular Diagnostics and Treatment, Moscow.

17.20.-17.50. *Development of Express-Diagnostics Systems for Detection of Infectious Diseases of the Base of Immunofiltration.*

Prof. P. Sveshnikov, All Russian Scientific Center of Molecular Diagnostics and Treatment, Moscow.

17.50.-18.20. *Elaboration of Approach for Diagnostic of Latent Forms of Virus Infections on the Basis of Activation of Virus Sequences Induced in the Human Genome.*

Dr. Yu. Plyashkevich, All Russian Scientific Center of Molecular Diagnostics and Treatment, Moscow.

18.20.-19.00. Final round table discussion.

19.00. Reception. Meetings with partners.
Thursday, June 19.

Session 2.

(Continuation of Work Session in parallel with Section 1).

Technology for Development and Administration of Medicinal Forms and Biopreparations

Cochairmen: Dr. N. Vasil'ev; Dr. E. Sventitskiy, Director of the GosNII of Extrapure Biopreparations, St. Petersburg, Prof. N. Medunitsyn, Director of RGISK, Moscow.

Prof. A. Panin, Director of VGNKI of Vetpreparations.

9.30.-10.00. New Systems for Drug Delivery and Related Technologies
Dr. E. Sventitskiy, GosNII of Extrapure Biopreparations, St. Petersburg.

Dr. T. Gremyakova, SSC "Applied Microbiology", Obolensk.

10.30.-11.00. Application of Different Delivery Systems of Protective Protein Antibodies in the Construction of Anthrax Vaccines.
Dr. T. Gremyakova, SSC "Applied Microbiology", Obolensk.

11.00.-11.20. Coffee break.

Dr. N. Vologansev, SSC "Applied Microbiology", Obolensk.

Dr. I. Perevozchikova, VNIIZZH, Vladimir.

12.20.-12.50. Nonviral biopreparations on the Basis of Synthetic Peptides.
Dr. C. Rybakov, VNIIZG, Vladimir.
13.00.-14.00. Lunch

14.00.-14.30. *Vaccine Strains of the Anthrax Microbe - A New Bacterial Vector for Elaboration of Vaccines Against Zooanthroponoses and Unique Recipients for Production of Biologically Active Substances.*
   Dr. A. Noskov, SSC “Applied Microbiology”, Obolensk.

14.30.-15.00. *Elaboration of Live Recombinant Vaccine Against Legionellosis.*
   Dr. V. Pavlov, SSC “Applied Microbiology”, Obolensk.

15.00.-16.00. Speech of US & EU Representatives.


   Prof. A. Rubin, Drs. B. Turovezky, A. Andreev, Biological Department of Moscow State University, Moscow.

   Prof. A. Sobolev, Biological Department of Moscow State University and VNII Agricultural Biotechnology, Moscow.

17.20.-19.00. Final discussion around the table.

19.00. Reception.

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Friday, June 20.

9.00. Optional tour to Omutinsk.