

VII International Conference
“AIDS, Cancer and Related Problems”
St. Petersburg, Russia
May 24-28, 1999

Short Program

House of the Friendship (21, Embankment of Fontanka river)

Monday, 24 May 99, House of Friendship	
Time	Large Hall
13:00–13:30	Opening of the Conference, granting awards for outstanding contribution to fight against HIV/AIDS. Chairpersons: <i>A. P. Kozlov, I.G. Sidorovich</i>
13:30–14:30	Prizewinner’s talk
14:30–18:00	Opening Plenary Session Chairpersons: <i>A. P. Kozlov, E.V. Karamov</i> <i>A. P. Kozlov: Conference-99</i> <i>M. I. Narkevich: HIV/AIDS Epidemiology in Russia</i> <i>R. Levine : Trials of Preventive HIV Vaccines: Ethical Considerations</i> <i>S.S. Marennikova: Monkeypox Virus</i> <i>J. Kelly: HIV Prevention: Lessons Learned From What Has Worked and What Hasn’t Worked in USA.</i> <i>E. Stover: Effective HIV Prevention Strategies in the U.S.</i> <i>R. Hoff: US-Russia Collaboration on HIV Vaccine and Prevention Research</i>
18.00	<u>Press conference</u>
19.00	<u>Reception</u>

Hotel “Saint-Petersburg” (5/2, Vyborgskaja Emb.)

Tuesday, 25 May 99, Hotel Saint-Petersburg			
9.00-10.00 Opening of Satellite Exposition of Diagnostic Instruments, Reagents, and Therapeutic Drugs			
Time	GLASS HALL	WHITE HALL	BLUE HALL
10:00–13:00	Workshop: <i>R. Levine</i> : International Ethical Guidelines for Biomedical Research Involving Human subjects	Session 1: Active Preventive Interventions: A Strategy for HIV/AIDS Control Chairperson: <i>J. Kelly</i>	
13:00–14:00	LUNCH ON YOUR OWN		
14:00–17:00	Special lectures: <i>E. V. Karamov</i> “Biological Properties of Russian HIV Isolates” <i>R. Hoff</i> “HIV Vaccine Development and Clinical Trials” Session 2: HIV VACCINE Chairpersons: <i>A. P. Kozlov, A.A. Vorobyev</i>	Symposium: STD Epidemiology and Prevention Chairpersons: <i>I. Kallings, Ye. B. Sokolovskiy, T.S. Smirnova</i>	Workshop: The Role of Cooperation of Governmental, Non-Governmental, and Commercial Bodies and Communities in Increasing the Efficiency of AIDS Prevention Programs Chairperson: <i>M. Kuzmina</i>
17.00–18.30	Round table discussion: The Problem of Affordable Drugs and Vaccines for Developing Countries (I) Mediators: <i>Yu.T. Kalinin, A.P. Kozlov</i>		

Wednesday, 26 May			
Time	WHITE HALL		
9.00–9.45	Special lecture: Gene Targeting Approach to Study Physiological Functions of Tumor Necrosis Factor Family Cytokines <i>S.A. Nedospasov</i>		
	GLASS HALL	WHITE HALL	BLUE HALL
10:00–13:00	Workshop: International Ethical Guidelines for Biomedical Research Involving Human Subjects Chairperson: <i>R. Levine</i>	Session 4: HIV Epidemic Among IDUs and Possibility of its Prevention Chairpersons: <i>D. Ostrovskiy and J.-P. Grund</i>	Special Lecture Genetically Caused Susceptibility to Infectious Diseases <i>S.A. Ketlinskiy</i> Session 3: Cytokines in AIDS, Cancer and Other Diseases Chairpersons: <i>S.A. Ketlinsky, A. S. Simbirtsev</i>
13:00–14:00	LUNCH ON YOUR OWN		
14:00–14:30	Lecture: Passive Immunotherapy (PIT) in HIV Disease and Therapeutic Plasmapheresis in Asymptomatic HIV-Positive Individuals <i>A. Karpas</i>		
14:30–16:30	Session 6: Molecular and Cellular Biology of HIV infection Chairpersons: <i>E. V. Karamov, A.G. Pokrovskiy</i>	Session 4: HIV Epidemic Among IDUs and Possibility of its Prevention Chairpersons: <i>D. Ostrovsky J.-P. Grund</i>	Session 11: Laboratory diagnostics and monitoring of HIV infection and associated diseases Chairperson: <i>I. G. Sidorovich</i>
16:30–18:30	Session 7. New Technologies in Molecular Biology Chairperson: <i>V. I. Yevtushenko</i>		Closed session

Thursday, 27 May			
Time	GLASS HALL	WHITE HALL	BLUE HALL
9:00–13:00	Session 8: Molecular and Fundamental aspects of cancer Chairpersons: <i>A. Itkes</i> <i>A.P. Perevozchikov</i>	Session 9 : Epidemiology of HIV infection Chairperson: <i>R.Ryder</i>	Round table: Social, legal and philosophical issues of HIV/AIDS Chairpersons: <i>A.A.Davydova,</i> <i>N.M.Safiyannikov</i>
13:00–14:00	Lunch on Your own		
14:00–18:00	Session 10: HTLV, HHV6, HHV7, and HHV8 Chairperson: <i>V. E. Gurtsevich</i>	Session 5: Molecular Design, Directed Synthesis, and Manufacturing of Substances and Medicines for HIV/AIDS Chairperson: <i>V. A. Ostrovskiy</i>	Round table discussion: Non-governmental organizations for AIDS control: analysis of the first decade of AIDS in Russia and development of strategy for further actions Mediator: <i>G.A.Krimenskoy</i>

Friday, 28 May 99		
Time	GLASS HALL	WHITE HALL
9:00–13:00	Session 12: Biotechnology Chairperson: <i>L.N.Petrov</i>	International Aids Society Workshop: Drug therapy of HIV infection and AIDS Chairpersons: <i>S. Vella, V.A. Golikov</i>
13:00–14:00	Lunch on Your own	
14:00–17:00		IAS Workshop: Drug therapy of HIV infection and AIDS Chairpersons: <i>S. Vella, V.A. Golikov</i>
17:00–18:00		ROUND TABLE DISCUSSION: The Problem of Affordable Drugs and Vaccines for Developing Countries (II) Mediators: <i>A.P.Kozlov, S.Vella</i>
18:00–18:30		Meeting of Association against HIV/AIDS Closing the Conference Chairperson: <i>A. P. Kozlov</i>

Saturday, 29 May 99 Research Institute of Pure Biochemicals
3 rd Russia–US Workshop “Emerging and Re-Emerging Infectious Diseases”

VII International Conference
“AIDS, Cancer and Related Problems”

PROGRAM

Monday, 24 May

House of Friendship (21 Fontanka Embankment)

13.00 – 13.30

Opening the 7th International Conference on AIDS, Cancer, and Related Problems and granting awards for outstanding contributions to campaign against AIDS and Cancer

Chairpersons: A. P. Kozlov, I.G. Sidorovitch

13.30 – 14.30

Prizewinners talk

Opening Plenary Session

Chairpersons: A. P. Kozlov, E.V. Karamov

Conference-99

A. P. Kozlov

HIV/AIDS Epidemiology in Russia

M. I. Narkevich

Trials of Preventive HIV Vaccines: Ethical Considerations

R. Levine

Human Monkeypox: Results of the Study, Unsolved and Newly Arisen Problems

S.S. Marennikova

HIV Prevention: Lessons Learned from What has Worked and What hasn't Worked in USA

J. Kelly

Effective HIV Prevention Strategies in the U.S.

E. Stover

US-Russia Collaboration on HIV Vaccine and Prevention Research

R.Hoff

18.00 Press conference

19.00 Reception

Tuesday, 25 May, Hotel Saint-Petersburg

9.00 -10.00 — Hotel Hall

Opening of Satellite Exposition of Diagnostic Instruments, Reagents, and Therapeutic Drugs

10.00–13.00 — Glass Hall

Workshop: International Ethical Guidelines for Biomedical Research Involving Human Subjects

Chairperson: R. Levine

10.00–13.00 — White Hall

Session 1: Active Preventive Interventions: A Strategy for HIV/AIDS Control

Chairperson: J. Kelly

1. Sexually-based Approaches to HIV prevention

D. Seal, Wisconsin University School of Medicine

2. HIV STD Prevention for Small Group in Drug Treatment Centers

S. Kalichman, Wisconsin University School of Medicine

3. Components of Cognitive Behavioral Prevention Intervention for Impoverished Women at High Risk of HIV Infection

A. Somlai, Wisconsin University School of Medicine

4. Behavioral HIV/STD Behavioral Prevention: Theories, Levels, and Techniques in Effective Programs

V. Pequenat, National Institute of Mental Health, Rockville

5. Responding to the Challenge of HIV Prevention in the Developing World

S. Morin, University of California, San Francisco

6. AIDS Education: the Undertilted, Potent, Proven, Protective Vaccine against HIV

G. J. Kotwal, Department of Microbiology and Immunology, University of Louisville

13.00 -14.00 – Lunch on Your own

Special lectures:**Biological Properties of Russian HIV Isolates***E.V.Karamov***HIV Vaccine Development and Clinical Trials***R. Hoff***Session 2: HIV Vaccine***Chairperson: A.P.Kozlov, A.A.Vorobyev***1. Development of DNA Vaccines***Murashev B.G., Murasheva I.V., Masharskiy A.E., Pozdnjakov S.G*, Shelkunov S.N*, Kozlov A.P.; Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg, Russia; *Vector Laboratories, Koltsovo, Novosibirsk Region, Russia***2. Possible Approaches to Development of an HIV Vaccine***A.A.Ilyichev, V.N.Kuvshinov, L.I.Karpenko, and A.P.Kozlov; Vector Laboratories, Koltsovo, Novosibirsk Region, Russia; Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg, Russia;***3. Development of a Live Vaccinia Virus-based HIV Vaccine***I.A. Ryazankin, O.I. Ryazankina, V.A. Ageenko, I.P. Dmitriev, I.V. Babkin and S.N. Shchelkunov; Vector Laboratories, Koltsovo, Novosibirsk region, Russia***4. Synthesis of Gene Coding for an Artificial Candidate Immunogen Intended to be Used in a CTL vaccine against HIV-1***P.A.Belavin, S.V.Seregin, N.K.Daniliuk, I.N.Babkina, Eroshkin, S.I.Bazhan; Vector Laboratories, Novosibirsk region, Koltsovo, Russia***5. Attenuated Salmonella Strains Producing HIV and HBV Antigens as a Vaccine Carrier***Karpenko L.I., Ignat'ev G.M., Lebedev L.R., Porivaeva V.A., Kozhina E.M., Veremeiko T.A., Ilyichev A.A.; Institute of bioengineering, Vector Laboratories, Koltsovo, Novosibirsk Region, Russia***6. Immunization of Mice with Vaccine Samples of Human Immunodeficiency Virus***T.R. Pronyaeva, T.N. Ilyicheva, S.A. Kulandin, N.N. Moshkina, A.G. Pokrovskiy; Vector Laboratories, Novosibirsk Region, Koltsovo, 633159, Russia.***7. Immunogenicity and Protective Efficiency of Liposome-Entrapped Inactivated Virus-Based Vaccines for Peroral Immunization***Avtushenko S.S., Kuznetsov O.K., Vinokhodov V.O.; Research Institute of Pure Biochemicals, St. Petersburg, Russia*

8. Advances in Anti-Viral Vaccine Adjuvants for Designing an Anti-HIV Preventive Agent

*Serbin A. V. *, Stotskaya L. L. **, Bukrinskaya A. G. ***, Kozeletskaya K. N. ****; *Biomodulator & Drug Res. Dept., Health R. D. Foundation; **Topchiev Inst. Petrochem. Synth., RAS, ***Ivanovskiy Inst. Virology, RAMS (Moscow); ****Inst. Influenza (St. Petersburg), Russia*

9. Comparative Testing of New HIV-1 Immunogens

Klimov N.A., Verevochkin S.V., Simbirtsev A.S., Pigareva N.V., Kotov A.V., Schelkunov S.N., Bazhan S.I., Pokrovskiy A.N., Kozlov A.P.; Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg; Vector Laboratories, Koltsovo, Novosibirsk Region, Russia

10. Differentiation of Individuals with Early HIV-1 Infection from Those Infected for Longer Period: Comparative Study in Moscow and Belorussian Populations

S.Verevochkin, V. Yeremin⁺, S. Gagarina, A. Olshansky, G. Pankova*, R. Yakovets*, V. Golikov*, L. Titov⁺, R. Ryder[#], R. Heimer[#] and A. Kozlov; Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia; * Moscow City AIDS Center, Moscow, Russia; ⁺Belorussian Research Institute of Epidemiology and Microbiology, Minsk, Belarus; [#]Yale University School of Medicine, New Haven, CT, USA*

11. Peroral Use of Vaccines

V.N.Podkuiko, A.A.Vorobiyev, V.V.Mikhailov; Research Institute of Microbiology, I.M.Sechenov Medical Academy, Moscow

Poster Session

1. Theoretical Substantiation of the Possibility to Use "Native" HIV-1 Codons for Expressing the Gene Encoding a T Cell Immunogen (TCI)

S.I.Bazhan, V.A.Ivanisenko; Vector Laboratories, Novosibirsk Region, Koltsovo, 633159, Russia

2. DNA Vaccines Containing T- and B-Specific HIV-1 Antigen Epitopes

A.N.Sinyakov, I.N.Babkina, M.M.Baklanov, V.A.Ryabinin, S.N.Schelkunov; Vector Laboratories Novosibirsk Region, Koltsovo, 633159, Russia

3. A Novel In Vivo Delivery System Based on a Synthetic Copolymer VSST-1

Sabetski V., Lepp U., Klimov N., Verevochkin S., Murashova I., Kozlov A.P.; Biomedical Center and National Research Institute of Highly Pure Biochemicals, St. Petersburg, Russia.

4. To Development of HIV/AIDS Vaccine with Taking into Consideration the Genetic Variability of the Human Immunodeficiency Virus

Podgorniy V.F., Maksyutov A.Z., Timofeyev I.V., Perminova N.G.; Vector Laboratories, Koltsovo, Novosibirsk region, Russia

5. Immunological Properties of gp120 Synthesized *in vivo*

Klimov N.A., Pozdnyakov S.G., Verevochkin S.V., Oskin B.V., Kotov A.U., Pigareva N.V., Simbirtsev A.S., Shchelkunov S.N., Kozlov A.P.; Biomedical Center, St. Petersburg, Russia; Vector Laboratories, Koltsovo, Novosibirsk region, Russia; Novosibirsk Institute of Bioorganic Chemistry, Novosibirsk, Russia

17.00–18.30 p.m. — Glass Hall

ROUND TABLE DISCUSSION: The problem of availability of medical drugs and vaccines I

Mediators: A.P.Kozlov, Yu. T. Kalinin

14.00 - 17.00 — White Hall

Symposium: STD Epidemiology and Prevention

Chairpersons: I. Kallings, Ye. B. Sokolovskiy, T.S. Smirnova

1. STD Prevalence in St. Petersburg

T.S.Smirnova, STD City Center, St.Petersburg

2. Successful Control of Sexually Transmitted Diseases — Lessons to Learn from the Swedish Experience

I. Kallings; Swedish Institute for Infectious Disease Control, Stockholm, Sweden

3. Control of STD – What We Need for It

Arbuzova I.A., Sokolovsky E.V.; I.P.Pavlov Medical University, Saint-Petersburg, Russia.

4. Project Number 13: A Process with Possibilities

B.Gustafsson, Stockholm County Council AIDS Prevention Program, Sweden

5. The Modern Strategies of HIV/STD Preventing among Adolescents

N.V.Luzan; Center “Uventus”, Novosibirsk

6. Investigation of Knowing about STD and of Social Characteristics in Teenagers with Syphilis

S. Polukhuna, S. I. Danilov; I.I. Mechnikov Medical Academy, Saint-Petersburg.

7. Analysis of Predictors of the Risky Sexual Behavior among Patients with Syphilis

Aravijskaya E.R.; Department of Dermatology and Venereal Diseases, I.P. Pavlov Medical University, St. Petersburg, Russia

8. Risk Factors In Sexual Behavior Of Drugs Abusers and Female Street Sex Workers

A.F.Karapetian; Dermato-venereological Faculty, Saint-Petersburg Medical University, Vozvrashchenie Fund

9. Syndrome-Based Approach to Treating Venereal Diseases

B. Vilstek; Institute of Tropical Diseases, Antwerp, Belgium

14.00 -17.00 — Blue Hall

Workshop: The Role of Cooperation of Governmental, Non-Governmental, and Commercial Bodies and Communities in increasing the efficiency of AIDS prevention programs

Chairperson: M. Kuzmina

1. The role of Non-Governmental Organizations in Ensuring the Availability of Information, Prevention, and Treatment from the Perspective of HIV/AIDS Epidemic

N. Nedzelskiy; "Imena" Foundation

2. Internation experience of cooperation of health care providers, pharmaceutical companies, non-governmental organizations, and patients

G. Soletti; AIDES Program

3. An Experience of Sociological Studies of Patients Recieving Complex Drug Therapy for AIDS in Russia

R. Dudnik, "Imena" Foundation

17.00 -18.30 — Glass Hall

Round table discussion: The Problem of Affordable Drugs and Vaccines for Developing Countries I

Mediators: A.P. Kozlov and Yu.T. Kalinin

Wednesday, 26 May

Hotel Saint-Petersburg

9.00 - 9.45 — White Hall

Special lecture

Gene Targeting Approach to Study Physiological Functions of Tumor Necrosis Factor Family Cytokines

S.A. Nedospasov; Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow, Russia; IRSP, SAIC Frederick, National Cancer Institute, Frederick MD USA

10.00-13.00 — Glass Hall

Workshop: International Ethical Guidelines for Biomedical Research Involving Human Subjects

Chairperson: R. Levine

SESSION 4: HIV/AIDS in Drug User Populations and Possibilities to Control the Epidemic*Chairpersons: D. Ostrovsky, J.-P. Grund***1. Harm Reduction in Russia: What We Have no Right not to Know?***J.-P. Grund; Open Society Institute***2. Accomplishments and Failures of HIV Prevention Policy: What May Be Acquired from West Europe?***W. De Jong; Trimbos Institute, the Netherlands***3. Some outcomes of Studying HIV and Parenteral Hepatitis Virus B and C in Drug User Populations for Developing the Existing System of Surveillance***G.V.Volkova, L.N. Kryga, T.B.Kutasova, G.V.Makarova, Ostrovsky D. V., Bogdanov A. O.; Center of Epidemiological Surveillance, Saint-Petersburg***4. Harm Reduction Program in Tver Region: Problems with Its Implementations and Approaches to Their Solution***A.N.Kolesnik; Regional AIDS Control Center, Tver***5. Outreach as the Concept for Working with Drug Addicts under the Present Day Conditions***R. Brandsmaa, the Netherlands***6. HIV and Viral Hepatitis Prevention in Intravenous Drug User Residents of a Small City***N.V.Sivacheva; Regional AIDS Control Center, Pskov, Russia***7. The Experience of Harm Reduction in Moscow***N.A. Dolzhanskaya, O.V.Zykov, I.S.Lofovskiy, S.A.Poliatykin; Moscow***8. The Most Efficient Ways of Preventing HIV Infection in Intravenous Drug Users of St. Petersburg***D. Ostrovskiy; "Vozvrastcheniye" Foundation, St. Petersburg, RUSSIA***Special lecture****Genetically Caused Susceptibility to Infectious Diseases***S.A. Ketlinskiy; Research Institute of Pure Biochemicals*

SESSION 3: Cytokines in AIDS, Cancer, and other Diseases

Chairpersons: A.S. Simbirtsev, S.A. Ketlinskiy

1. The Role of Cytokines in the Development of Some Somatic and Infectious Diseases

Kalinina N.M., Davidova N.I., Syssoev K.A., Solnceva O.S. Lobkova Y.S.; All-Russian Center of Emergency and Radiation medicine, EMERCOM of RUSSIA

2. Cytokines and Antiviral Immunity

A.Simbirtsev; Research Institute of Pure Biochemicals, St.Petersburg, Russia

3. Cytokines in Cancer Treatment

I.V. Kiseleva¹, S.F. Protasova², V.V. Zhunko², and S.M. Shchekanova²; ¹Institute of Experimental Medicine RAMS; ²Institute of Influenza RAMS, St.Petersburg, Russia

4. Chemical Synthesis of Chemokines Interleukin-8 and RANTES and Studies of their Structural and Functional Organization

Kolobov A.A., Prusakov, A.N., Shpen V.M., Kolodkin N.I., Ischenko, and Simbirtsev A.S.; Research Institute of Pure Biochemicals, St. Petersburg, Russia

5. Prevalence of 32-bp CCR5 Gene Deletion in Patients with Benign and Malignant Tumors

T.Isaeva¹, N.Yudin², N.Tcherdyntseva¹, E.Bovshik², E.Slonimskaya¹, S.Kolomiets¹, A. Romaschenko², V.Belyavskaya⁴, M.Voevoda^{2,3}; ¹Cancer Research Institute, Tomsk; ² Institute of Cytology and Genetics, Novosibirsk; ³Institute of Internal Medicine, Novosibirsk; ⁴Vector Laboratories, Koltsovo, Novosibirsk Region, Russia

6. IL-1 β & TNF- α Production *in vivo* & *in vitro* in Patients with Cardiac Pathology

Sysoyev K., Kalinina N.M.; All-Russian Centre of Emergency & Radiation Medicine, EMERCOM of Russia

7. Use of Cyclopheron for Treating Meningitis

Isakov V.A., Yevgrafov V.D., Kovalenko A.D., Makarov V.I., Arinenko R.Yu., and Arkhipov G.S.; Influenza Institute of Russian Academy of Medical Sciences and NTFF "Polysan", St. Petersburg, Russia

8. Cytokines in Immunomodulating Therapy of Urogenital Chlamidiosis in Pregnant Women

Bashmakova N.V., Motorniuk Ju.I., Zavarzina L.P., Remezova I.I.; Ural Research Institute of Maternity and Child Care, Yekaterinburg

9. Inflammatory Cytokines in Bacterial Infections of Pregnant Women and Their Newborns

Tcherdantseva G.A., Andreeva G.V., Aleksandrova N.N., Remezova I.I.; Ural Research Institute of Maternity and Child Care, Yekaterinburg, Russia

11. Role of Cytokines in the Immune Homeostasis in Complicated Pregnancy

Medvinsky I.D., Aleksandrova N.N., Chistyakova G.N., Brousnitsina V.U.; Ural Research Institute of Maternity and Child Care, Yekaterinburg, Russia

Poster Session

1. Sanasol and Subalin Effects on Cytokine Production by Immunocompetent Cells of Healthy Volunteers

N.Tcherdyntseva, N.Lytvjakov, V.Belyavskaya, E.Malinovskaya, O.Kokorev, I.Kusmartseva, E.Afrimzon; Cancer Research Institute of Tomsk Sci Center of Russian Acad. Med. Sci., Tomsk;*

** Vector Laboratories, Novosibirsk region, Russia.*

2. Immunomodulatory Properties of Atrial Natriuretic Factor

N.I. Kolodkin, N.V.Pigareva, V.G.Konusov, A.S.Simbirtsev, S.A.Ketlinskiy, and O.A.Kaurov; Research Institute of Pure Biochemicals, St. Petersburg

3. Parameters of Immunity in Children with Allergic Pathology Combined with Acute Respiratory Infection

Arkipova Ye. A., Stepanova I. V., Aleksandrova M.V., and Apelbaum L.S.; Novgorod State University and Center of AIDS Control and Infectious Disease Prevention, Novgorod

4. Electron-Microscopic Detection of Interferon- α Inclusions in LB-21 *E. coli* cells

Rybalchenko, O.V., Cherepanov P.A., Tiagotin Yu. V., Ischenko, and Lisitskaya V.I.; Research Institute of Pure Biochemicals, St. Petersburg, Russia

5. Prognostic and Diagnostic Significance of Cytokine Determination in Patients with Bronchial Asthma

Lobkova, Yu. S., Kalinina N.M., Lobkova O.S., Solntseva O.S.; Military Medical Academy and Center of Emergency and Radiation Medicine

6. Estimation of Cytokine Synthesis on the Cellular Level with Flow Cytometry

Solntseva O., Kalinina N.; All-Russian Center of Emergency and Radiation Medicine, EMERCOM of Russia, St. Petersburg, Russia

7. Cytokine production in patients with diseases of the thyroid gland exposed to low dose radiation

Davydova N, Drygina L., Strukov E., Kalinina N., Sysoyev K.; All-Russian Center of Emergency and Radiation Medicine, EMERCOM of Russia, St. Petersburg, Russia

8. Immune Status in Chernobyl Accident Liquidators with Autoimmune Thyroiditis long after the Event

Kalinina N.M., Sidorenko V.A.; All-Russian Center of Emergency and Radiation Medicine, EMERCOM of Russia, St. Petersburg, Russia

Lunch: 13.00 -14.00

14.00 – 14.30 — Glass Hall

Special lecture

Passive immunotherapy (PIT) in HIV disease and therapeutic plasmapheresis in asymptomatic HIV-positive individuals

A. Karpas; Cambridge University, England

SESSION 6: Molecular and cellular biology of HIV infection*Chairpersons: E.V.Karamov, A.G.Pokrovsky***1. Homemade Opiates Inhibit Proliferation of HIV-1 but not of Target Cells***R. Heimer; Yale University, USA***2. Increase of a Prevalence of non-B Serotypes among HIV-Infected Persons in Moscow***S.Verevochkin, S.Gagarina, A.Olshansky*, G.Pankova*, R.Yakovets*, V.Golikov*, and A.Kozlov; Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia; * Moscow City AIDS Center, Moscow, Russia***3. Study of Polyclonal and Monoclonal Antibodies against MuLV Envelope Peptides***Petrukhina A., Andreev S., Dubinkin I., Rozenberg Y.*; National Research Center, Institute of Immunology, Moscow, Russia; *Gene Therapy Laboratories, University of Southern California, Los Angeles, USA***4. Genetic Sybtypes of HIV-1 Strains among HIV-Infected IDUs in Ukraine***A.Masharsky, A.Nabatov, E.Maksimienok*, E.Kislyh*, N.Tchentsova*, A.Kozlov; Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia; *National Committee for Prevention of Drug Abuse and AIDS, Kiev, Ukraine***5. Monkeypox Virus, an Emerging Poxvirus, Encodes for a Smaller Homolog of a Multi-Functional Poxviral Complement Control Protein***G. J. Kotwal*, V. Loparev⁺, A. Totmeinin, J. Esposito⁺ and S. N. Shchelkunov; * Department of Microbiology and Immunology, University of Louisville, KY 40202, ⁺ CDC, Atlanta, GA, USA, and Institute of Molecular Biology, Vector Laboratories, Koltsovo, Novosibirsk region, 633159, Russia***Poster Session****1. Searching for Peptides Mimicking the Conserved Neutralized Epitope of HIV-1 gp41***Tumanova O.J.¹, Kuvshinov V.N.¹, Ilyichev A.A.¹, Kozlov A.P.²; ¹Institute of Bioengineering, Vector Laboratories, Koltsovo, Novosibirsk Region, Russia; ² Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia***2. The HIV-1 Subtype Diversity in Saint-Petersburg at the Nascent Stage of HIV/AIDS Epidemic***Nabatov A., Lukashov V.*; Goudsmith J.*; Kozlov A.; Biomedical Center and Institute of Pure Biochemicals, St.-Petersburg, Russia; *Academic Medical Center, Amsterdam University, Amsterdam, The Netherlands***3. Increased Level of Soluble CD38 Antigen in Sera of HIV-infected Persons***Ptitsyna Yu. S., Matveeva E.M., Kopnina E.O., Martynova T.G., Nosov N.N., Baryshnikov A.Yu., Novikov V.V.; Research Institute of Epidemiology and Microbiology, Nizhni Novgorod, Russia; *Oncological Scientific Centre of Russian Academy of Medical Sciences, Moscow, Russia**

4. MTT-Based Colorimetric Assay as a Method for Evaluation Serological Anti-HIV Neutralizing Activity

Pavlova T.V.¹, Poleschuk A.A.¹, Kornilova O.S.², Abelyan A.V.¹, Kornilayeva G.V.¹, Karamov E.V.¹; D.I. Ivanovsky Institute of Virology RAMS, Moscow, Russia; 2. Department of Biology, Moscow University, Russia

5. Influence of Amino Acid Changes in Peptides Mimicking HIV-1 gp120 V3-Loop Central Epitope on Formation and Stability of a Complex with Antibodies against Various HIV-1 Variants

N.G.Yaroslavtseva, O.S.Kornilova, A.N.Yudin, E.V.Karamov; D.I. Ivanovsky Institute of Virology, RAMS, Moscow, Russia

6. Inactivation of HIV-1 in Human Blood Plasma by a Combination of Elevated Hydrostatic Pressure and Reduced Temperature

I.V. Timofeyev, N.A. Varaksin, N.G. Perminova, Yu.A.Diadin, F.V.Zhurko; Vector laboratories, Koltsovo, Institute of Inorganic Chemistry, Siberian Branch of RAS, Novosibirsk, Russia

7. Comparative Study of Survival of Recombinant and Natural Strains of *Bacillus subtilis* in Experimental Animals

N.G. Perminova, A.YU.Zhukov, I.V.Timofeyev, T.F.Paletskaaya; Vector Laboratories, Koltsovo, Novosibirsk region; Republican Center of Human Reproduction, Moscow, Russia

14.00 – 18.30 — White Hall

SESSION 4: HIV/AIDS in Drug User Populations and Possibilities to Control the Epidemic (continuation)

Chairpersons: D. Ostrovsky, J.-P. Grund

10. Characteristics of Epidemic Process in HIV-Infected Drug Users in Svetlogorsk

P.G. Rytik, I.I. Kucherov, I.A. Podolskaya, M.O. Korzhev, L.I. Kostikova, V.M. Lavochkin, S.M. Skripko; Research Institute of Epidemiology and Microbiology of Ministry of Health of the Republic of Belarus and Republican and Gomel Regional Centers of AIDS Prevention

11. Patterns of Compulsive Injecting

Pates R., McBride A., Ball N., Arnold K.; Community Addictions Unit, Cardiff, Wales, UK

12. The Attitude of Intravenous Drug Users (IDU) to Their Health and Medical Services in Kazan

L. I. Badrieva; Republican Center of AIDS Control, Kazan, Tatarstan

13. Rating of Intravenous Drug User Behavioral Types Increasing Risk of HIV Infection

Golubkova A.A., Dubrovina M.P., Kadyrova O.J., Degtiar E.S., Bratuhina I.A., Halidova M.V., Zubareva R.E.; Ural Medical Academy, Center of AIDS and Infectious Diseases Control, Yekaterinburg, Russia

14. Harm Reduction and Everyday life of drug addicts

M. Lees; Methadone Center, Paris, France

15. Characteristics of HIV-Infection in Drug Users of Kazakhstan

A. Zh. Karabekov, Ye.I. Zmushko, and Ye.S. Belozеров; Military Medical Academy, St. Petersburg

16. Epidemiological Features of Drug Spread

Yurkina M., Livshiz M., Drozdova O., Sultanov L.; Regional AIDS Prevention Center (Kemerovo), Altai Regional AIDS and Other Infectious Disease Prevention Center

17. HIV-Infection Prevention among Intravenous Drug Users in Klaipeda (Lithuania)

A. Slatvickij; Addiction Treatment Center, Klaipeda, LITHUANIA

18. International Harm Reduction Training Center in Odessa, Ukraine

T. Semikop, N. Kitsenko, V. Kiyov, Z. Parmakli, L. Andryshak; Public movement "Faith, Hope, and Love"

19. Syringe Exchange and Methadone Program (Harm Reduction) in Gypsy Tabors of Vilnius (Lithuania)

Yu. Tsukanov; Center of Drug Addiction Control, Vilnius, Lithuania

20. Drug-Addicted Women in St. Petersburg

Ye. Veselovskaya, M. Rudneva; "Vozvrascheniye" Foundation, St. Petersburg

21. RAPID: A Program of HIV/AIDS Prevention among Drug Users in 30 Cities of Russia

B. Stambul, France

22. Characteristic Features and Problems of Implementing Harm Reduction Policy among Homeless Children

A.A. Tsekhanovich; "Doctors of the World" Association, St. Petersburg

23. Harm Reduction Program in Astrakhan Region: Problem of Its Implementation and Approaches to Their Solution

A.F. Chaplygin; Regional Dispensary for Drug Addicts, Astrakhan, Russia

24. AIDS and Drug Addiction in Kalmykia: Characteristic Features of Epidemiological Situation and Preventive Approaches

A. M. Korniyenko; Elista, Kalmyk Republic, Russian Federation

Poster Session**1. A Project "HIV Prevention among Injection Drug Users in Nikolayev"**

T.B. Vanenkova; "Blagodynist" Charity Foundation, Nikolayev, Ukraine

2. WHO/UN Strategy of Harm Reduction Applied to Injection Drug Users

E.R. Demjanenko; Altai Territorial Center of AIDS Control

3. HIV Infection and Drug Addiction in Altai Area

E.R. Demjanenko; Altai Regional Center of AIDS Control

4. Working Experience of the First Ukrainian Confidential Consulting Office for Drug Users as a Realization of Harm Reduction Concept under Conditions of HIV Epidemic

T.A. Loginova; Kiev Municipal Hospital of Social Therapy for Drug Addicts, Kiev, Ukraine

5. HIV Infection and Drug Addiction in Sverdlovsk Region

S.I. Bogdanov, Yu.N. Ruzhnikov, G.A.Fedotova, M.V. Khalidova; Yekaterinburg, Russia

6. Viral Hepatitis Goes ahead of HIV Epidemic in Drug User Populations

O.A.Dunayevskaya, N.V.Kharin; Tver Medical Academy, Tver, Russia

7. HIV Epidemic among Drug Addicts and Opportunities for Its Prophylaxis

Chaklikov T.E; Republican AIDS Center, Republic of Kazakhstan

14.30 – 16.30 — Blue Hall

SESSION 11: Laboratory diagnostics and monitoring of HIV-infection and associated diseases

Chairperson: I. G. Sidorovitch

1. Early HIV Diagnostics Using VIDAS HIV DUO Kits

G.A. Lomanova, M.S. Vorobieva; L.A. Tarasevich Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow, Russia

2. New Improved ELISA Based on Recombinant Antigens for HIV Serodiagnostics

Nikolaeva I, Chevalier A, Alekseyev T, Vazykhova F, Khalili G, Mahboudi F*, Sidorovitch I.; Institute of Immunology, Moscow, Russia, *Iranian Pasteur Institute, Tehran, Iran.*

3. New Generation Laboratory Tests in Screening Khabarovsk Population for Viral Hepatitis B and C

A.I.Zherdeva, N.M.Klimkovich, I.N.Kovalenko, and Ye.A.Shlenskaya; Khabarovsk Territorial Center of HIV Control, Khabarovsk

4. Third Generation Enzyme Immunoassay Test-System for HIV Screening

Tereshtchenko M., Rayevskaya G., Ivanskaya N., Spijenko U., Martynenko D., Chumak R.; AOZT NPK DiaprophMed, Kiev, Ukraine

5. Protein Structure and Immunochemical Properties of Excretory and Secretory Antigens of *Toxoplasma gondii*

Dedkova L.M., Gladkova S.E., Bormotov N.I., Belanov E.F.; Vector Laboratories, Koltsovo, Novosibirsk reg., Russia

6. Problems of Upgrading Enzyme-Immunoassay for HIV Diagnostics

T.P.Lissok, E.V.Kuznetsova, S.V.Burov, I.I.Maslennikova, A.H.Asadi Mobarhan; Avicenna Medical Center, St. Petersburg

7. HIV Diagnostics

Ye. I. Zmushko, N.V. Belgesov, and T.P. Lisok; Military Medical Academy and Avicenna Medical Center, St. Petersburg

8. Studies of the Antigenic Structure of a Membrane Protein Tp17 Isolated from *Treponema pallium*

*Kampe-Nemm, S.A. *, Gache M.V. **, Shpen V.M. ***, Artiukhov, A.I. **, Yakovlev V.I. *, and Kolobov, A.A.***; * Technological Institute, ** NPP "Akvapast", *** OOO "NFP Verta", St. Petersburg*

9. Application of IgM-Western-Blot in Diagnostics of HIV Infection

B. I. Shevelev, E. E. Efremov, T. V. Preobrajenskaya, A. Ya. Olshanski, V. A. Golikov, A. H. Asadi Mobarhan; Moscow City Centre of AIDS Control, Moscow; Institute of Experimental Cardiology, Avicenna Medical Center, St. Petersburg

10. A Serological Study of the Immunodominant Domain of the Nucleocapsid Protein of Hepatitis δ Virus

I.V. Kruglov, Ye.N.Ignatova, M.V.Yanina, V.A.Shibnev, N.V.Doroshenko, and Yu.A. Semiletov; Ivanovskiy Institute of Virology, Moscow

11. Prevalence of Different HCV Serotypes in Blood Donors and Recipients

T.A. Pashkova, T.A. Tupoleva, A.A. Gulyaeva, T.V.Golosova, T.V. Firsova, Yu.A. Semiletov, T.I. Alekseenkova, M.P. Finogenova, M.V. Yanina, V.A. Shibnev, F.P. Filatov; Hematology Research CTR, RAMS, Moscow, RUSSIA; D.I. Ivanovsky Virology Institute, RAMS, Moscow, RUSSIA

12. Present Day Quality of Diagnostic Test Systems for Detecting Antibodies to HIV-1 and HIV-2

M.S. Vorobiyeva, G.A. Lomanova, A.V. Razguliayeva, Ye. B. Buravtseva, A.Ya. Olshanskiy, A.T. Galiusov, M.I. Narkevich, V.V. Pokrovskiy; L.A. Tarasevich Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow, Russian Center of AIDS Control, Moscow Center of AIDS Control, Department of HIV/AIDS Prevention, Moscow, Russia

Poster Session

1. Epitope-Specific Reactivity of Sera Characterized by Uncertainty of Results Obtained Using EIA and Immunoblotting for Antibodies to HIV

S.M.Andreyev, L.P. Trubcheninova*, A.O. Petrukhina*, O.A.Scherbakova*, M.E.Ischenko*, N.F.Trefilyeva*, T.V. Latysheva*, M.M.Garayev**; *Institute of Immunology, D.I.Ivanovskiy Institute of Virology, Moscow, Russia*

2. Comparative Evaluation of Third Generation Test Systems ECOLab-Genelavia-Mixed and ECOLab-Vironostica IV Used in Testing Donor Sera for Antibodies to HIV-1 and HIV-2

L.P. Trubcheninova, N.F.Trefilyeva, M.E.Ischenko, Z.A. Gorbunova, I.V. Baranova, Yu.N.Milochkina, Ye.G.Cherkasov; Institute of Immunology, *Blood Transfusion Station No 6, Federal Administration of Medico-Biological and Emergency Problems, Moscow, Russia*

3. Laboratory Control of Donor Blood in HIV Prevention

N.V. Belgesov, I.V. Malkova, A.H.A. Mobarhan, T.P. Lisok, Ye.V. Kusnetsova, and Ye.I. Zmushko; Military Medical Academy and Avicenna Medical Center, St. Petersburg

4. Quality Control of HIV Diagnostics

T.I. Danilova, B.I. Shevelev, A. Ya. Olshanskiy; Moscow City AIDS Center

5. Polyspecific Enzyme Immunoassay (EIA) System for HIV-1 Antigen Detection

A. V. Abelian, B. I. Shevelev, E. E. Efremov, R. A. Jakovez, A. Ja. Olshanski, E. V. Karamov, V. A. Golikov, A. H. Asadi Mobarhan; Moscow City AIDS Center, Institute of Experimental Cardiology, Ivanovskiy Institute of Virology, Avicenna Medical Center

6. Chlamy-IgG-Ds-Tr: The First Russian Test System for Detecting IgG to *Chlamydia trachomatis*

I. N. Manzeniuk, M.S. Vorobiyeva; L.A. Tarasevich Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow

7. Mechanism of False Negative Results in HIV Serodiagnostics

B. I. Shevelev, A. Ja. Olshanski, E. E. Efremov, A. H. Asadi Mobarhan; Moscow City AIDS Center, Avicenna Medical Center

8. Selection of Ig-Type-Specific Monoclonal Antibodies for Serodiagnostics of Toxoplasmosis and Herpes and Cytomegalovirus Infections

Poryvayeva V.A., Aborneva, I.V., Kuvshinova I.N., Kandrushina M.P., Kosova Ye.Yu., Rukavishnikov M.Yu., Grishaev M.P., and Ammosov A.D.; ZAO Vektor-Best, Koltsovo, Novosibirsk region

9. Cross-Reactivity between Serological Reactions in Syphilis and Tick-Borne Lyme Borreliosis

Sboychakov V.B.; Military Medical Academy, St. Petersburg

10. Characterization of Synthetic Analogs of *Treponema pallidum* Antigens in Enzyme Immunoassay

Ivanov, Kolobov A.A., Verbov V.N., Sheviakova L.A., and Ismagulova G.D.; Military Medical Academy, Pasteur Research Institute of Epidemiology and Microbiology, Research Institute of Pure Biochemicals, S. P. Botkin City Hospital No 30, and Dermatological Dispensary No 3, St. Petersburg

11. Epidemiological Monitoring of the Quality of Testing Blood Donor for HIV

Drozdova O., Livshiz M., Shlyachtenko L., Sultanov L., Yurkma M.; Medical Academy (Kemerovo), Pasteur Research Institute of Epidemiology and Microbiology (St. Petersburg)

16.30 – 18.30 — Glass Hall

SESSION 7: New Technologies in Molecular Biology

Chairperson: V. I. Yevtushenko

1. Conversion of Cellular Genes into Therapeutical Genes

V.I.Yevtushenko; Central Research Radio-Roentgenological Institute, St. Petersburg, Russia

2. Direct Genomic DNA Sequencing

A.Malykh, O.Malykh, A.Slesarev, S.Kozyavkin; Fidelity Systems, Inc. 7961 Cessna Ave, Gaithersburg, MD 20879, USA

3. Search for Tumor Antigens Using SEREX Cloning Technology

Kuimov A.N.; Koroleva E.P.*; Lagarkova M.A.*; Vdovichenko K.K.*; Petrov V.N.*; Tumanov A.V.#; Kuprash D.V.#; Turetskaya R.L.#; Mescheryakov A.A.+; Lichinitser M.R.+; Scanlan M.++, Nedospasov S.A*#; *A.N.Belozersky Institute of Physico-Chemical Biology, Moscow State University, Moscow, Russia; # Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow, Russia; +Oncological Research Center, Academy of Medical Sciences, Moscow, Russia; ++Ludwig Institute for Cancer Research, New York, USA*

4. Transcriptional Control of the Alu-Family Retroposons

A.Kropotov, N.Tomilin, V.Sedova, V.Ivanov, N.Sazeeva, A.Tomilin, R.Krutilina, Shiao Li Oei, J.Griesenbeck, G.Buchlow; Cytological Institute, St. Petersburg

5. GCC-Element within rpL32 Promoter Acts in Context of Composite cis-Acting Element

S. V. Orlov, K. B. Kuteikin, E. B. Dizhe, O. S. Michailova, A. P. Perevozchikov; Institute of Experimental Medicine, Russ. Acad. Med. Sci., St. Petersburg, Russia

6. Production of Monoclonal Antibodies to C3a Anaphylatoxin of the Human Complement System, Their Characterization, Development of a Test-System to Determine the Blood C3a Level

A.V.Trofimov, A.V.Zhakhov, S.V.Rodin, O.A.Kniazeva, E.A.Karabanova, A. M. Ischenko; Research Institute of Highly Pure Biochemicals, St. Petersburg, Russia

7. Heat Shock Gene Expression on Tumor Cell Surface: A Review of Recent Data

B. A. Morgulis, I. V. Guzhova; Institute of Cytology RAS, St. Petersburg

16.30 –18.30 Blue Hall

Closed Session

Thursday, 27 May

9.00 - 13.00 — Glass Hall

SESSION 8: Molecular and fundamental aspects of tumor growth

Chairpersons: A.V.Itkes, A.P.Perevozchikov

1. Cloning and Structural Analysis of the Gene for IRLB, Interferon Dependent Regulator of Transcription of c-myc Oncogene

Itkes A. V. ^{1,2}, Stasiv Yu. Z. ²; ¹ Peoples' Friendship University of Russia, Moscow; ² Engelhardt Institute of Molecular Biology of Russian Academy of Sciences, Moscow

2. Clinical Effects of Application of Liposomal Preparation of beta-Carotene NORMOSTAT for the Treatment of Oncologic Diseases

*E.V. Sokolovsky, N.N. Tretiakova, V.V.Yastrebov, A.S. Avtushenko, N.N. Blinov, *Avtushenko S.S., T.V. Kotova**; I.P. Pavlov Medical University (St. Petersburg), *N.N. Petrov Research Institute of Oncology (St. Petersburg), ** Research Institute of Pure Biochemicals (St. Petersburg), Russia*

3. Expression of Human Endogenous Retroviruses K (HERV-K) in Testicular Germ Cell Tumors

Vinogradova T.V., Leppik L.P., Kleiman, Sverdlov E.D.; Shemyakin-Ovchinnikov Institute of Bio-organic Chemistry RAS, Moscow, Russia

4. Detection of human papilloma virus DNA (HPV 16/18 and 6/11 types) by *in situ* hybridization and polymerase chain reaction in biopsies of the cervix and larynx

*Manykin A.A. *, Zavalishina L.E. **, Frank G.A. **, Andreeva J.J. **, Efremova E.V. ***, Lisitsyn F.V. *, Petrov A.N. **; *D. I. Ivanovsky Institute of Virology RAMS, ** A. K. Herzen Institute of Oncology, Moscow; *** Central Clinical Hospital of President Administration, Moscow*

5. Long Term Expression of Human Apolipoprotein A-I Gene Delivered into Rat Liver by Intravenous Injections of DNA–Molecular Conjugate Complexes

A. P. Perevozchikov, E.B. Dizhe, M.M. Shavlovskij, B.V. Missyul', B.N. Akif'ev, O.V. Kidgotko, S.V. Orlov, V.E. Sukonina, M. A. Bogdanova; Institute of Experimental Medicine, RAMS, St. Petersburg, Russia

6. Cloning of New Tissue-Specific Genes Expressed in Embryonic Stem Cells at the Early Stages of Retinoic Acid Induced Differentiation

Yakubovich E.I., Evtushenko V.I.; Research Institute of Radio-Roentgenology, St. Petersburg, Russia

7. Human Multidrug Resistance Gene Increases Cell Resistance to Ionising Radiation and to Cytotoxic Substances of Activated Macrophages

Zubova S., Bikova T., Danilov A., Zaritskiy A., Okulov V.; N.N. Petrov Research Institute of Oncology, St. Petersburg, Russia

8. Blood Plasma DNA in Diagnostics of Oncological Diseases

Belokhvostov A.S., Perestenko P.V., Bartnovskiy A.E., and Novik A.A.; Military Medical Academy, St. Petersburg

9. The Search for Newly Evolved Tumor-Specific Nucleotide Sequences in Tumors of a Fish *Carasius auratus*

Krukovskaya L.L., Nabatov A.A., Masharskiy A.E., and Kozlov A.P.; Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg, Russia

Poster Session

1. Detection of Amplified Type 16 and 18 HPV DNA Using DNA Enzyme Immunoassay

*Yefremova E.V. *, Sharapova E.I. **, Manykin A.A. **, Lisitsyn F.V. **, *; Central Clinical Hospital, Moscow. ** Ivanovsky Institute of Virology RAMS, Moscow*

2. Liposomal Preparation of Interleukin 2 for Aerosol Application

Avtushenko S.S., L.F. Smirnova, E.A. Protasov, I.L. Potokin, A.S. Simbirtsev; A.S. Avtushenko, * V.M. Moiseenko **, Research Institute of Pure Biochemicals (St. Petersburg); *I.P. Pavlov Medical University (St. Petersburg); ** N. N. Petrov Research Institute of Oncology (St. Petersburg), Russia

3. Thyroid Functions in Patients with thyroid cancer and adenoma

Vasiliyeva N.V., Dosmagambetova R. D., Turmuhambetova A. A., Konakbaeva R. D., Medvedeva T. V.; Karaganda Medical Academy, Kazakhstan

4. The Efficacy of Vobenzyme in Combination with Cyclophosphamide in Treating Papilloma-Virus Genital Infections

N.S. Loginova, I.A. Apolikhina, and G.T. Sukhikh; Research Center of Obstetrics, Gynecology and Perinatology of Russian Academy of Medical Sciences and Polyclinics of Gazprom OAO, Moscow, Russia

5. Polymorphic Element of the EBNA-3C Gene of Epstein-Barr Virus in Mono- and Polyclonally Infected Blood Cells

Miandina G. I. ⁽¹⁾, Imamova L. R. ⁽¹⁾, Ostrovskaya A. V. ⁽²⁾, Samochatova E. V. ⁽²⁾, Itkes A. V. ⁽¹⁾; ⁽¹⁾ Peoples' Friendship University of Russia; ⁽²⁾ Institute of Children's Hematology of Ministry of Health of Russian Federation, Moscow

6. Endometrial Hyperplasia in Reproductive-Age Women

E.E. Plotko, O.V. Patsiuk; Ural Research Institute of Maternity and Childhood Care, Yekaterinburg

7. Roncoleukine Immunotherapy of Cancer and Viral Diseases

Smirnov M.N., Egorova V.N., Letjagina O.V.; OOO "BIOTECH"

8. Antiviral and Antitumor Properties of Thermostable Endonuclease-Containing Lysates of Infected Cells

M. E. Khmara, V. N. Nikandrov; Research Institute of Epidemiology and Microbiology, Minsk, Belarus

9. Generalized Correlation Equations "Structure – Activity" Some of Oxindols Alcaloids

Shtoda G. V.; Donetsk University, Donetsk, Ukraine

9.00 -13.00 — White Hall

SESSION 9: Epidemiology of HIV infection

Chairperson: R. Ryder

1. Use of Epidemiological Measures to Quantify Behavior Change Intervention Outcomes

R. Ryder; Yale University, USA

2. Russia at the Stage from Nascent to Concentrated Phase of HIV/AIDS Epidemic

A.P.Kozlov

3. The Increasing Role of Injection Drug Use in the HIV/AIDS Epidemic in Thailand

K. Nelson¹, S. Eiumtrakul², D. Celentano¹, C. Beyrer¹, C. Khamboonruang³; ¹Johns Hopkins University, Baltimore, USA, ²Royal Thai Army, ³Chiang Mai University, Chiang Mai, Thailand

4. HIV-Infection in Belarus: from Sporadic Cases to Epidemic

V.F. Yeremin; Research Institute of Epidemiology and Microbiology, Minsk, Belorussia

Poster Session

1. Measures of Control and Prevention of HIV Infection at the Stage of Transition from Sporadic Cases to HIV/AIDS Epidemic

Skolubovich G.V., Merekina N.N., Platonov A.V., Zaliatdinov T. A., and Shmeleva O.G.; Amurskaya State Medical Academy, Regional Centers of Sanitary and Epidemiological Surveillance and AIDS Control, Dermatovenerological Dispensary, Blagoveschensk, Russia

2. Control of Epidemiological Safety in Health Care Institutions

A.I. Zherdeva, A.Ye.Butakova, I.N.Starukhina, and O.A.Mazurenko; Khabarovsk Territorial Center of HIV Control, Khabarovsk

3. HIV-Infection in Sea-Going Ship Crews

Ruban S.V., Bayluk F.N., and Zubov V.A.; Murmansk Territorial Center for AIDS Control

4. Major Aspects of HIV Penetration and Spread in Odessa Region in 1987–1998

Sidiachenko A.I., Nemtsov A.V.***, and Novosvitniy V.S.; Health Care Department of Odessa Regional State Administration and *** Regional Center of AIDS Control, Odessa, Ukraine*

5. Risk of Possible HIV, HBV, HCV, and CMV Posttransfusion Infection

Tupoleva, T.A., Gulaeva A.A., Somova A.V., Pashkova T.A., Golosova T.V., Filatov F.P.; Hematology Research Center (HRC), Russian Academy of Medical Sciences, Moscow, Russia

6. Applied Epidemiology and Issues of Integration in the Society

V.M. Granitov, V.Ya. Tsarikovskiy; Altai Medical University and Altai Territorial Center of AIDS Control, Russia

7. Anti -HBs-Antibodies: Natural Immunity and Effectiveness of Pre-Vaccination Screening

O.V. Baranova, N.S. Kuzmin, N.V. Belgesov, E.B. Zhiburt; Military Medical Academy, St. Petersburg

8. Laboratory Diagnostics of HIV-Infection and Viral Hepatitis

Gekalo, V.P.; Slavianskaya Central Regional Hospital, Slaviansk-na-Kubani, Russia

9. Multilevel Diagnostics of Epidemiological Situation as a Basis of Administrative Decision Making

V.M. Granitov, S.I. Belykh, V.V. Volkov and V.Ya. Tsarikovskiy; Altai Territorial Center of AIDS Control, Russia

10. HIV/AIDS Epidemic against Background of Other Socially-Dependent Diseases

V.M. Granitov, V.Ya. Tsarikovskiy; Altai Territorial Center of AIDS Control, Russia

9.00–13.00 —Blue Hall

Round table discussion: Social, legal, and philosophical aspects of HIV infection and AIDS

Mediators: A.A. Davydova, N.M. Safyannikov

13.00 – 14.00 LUNCH

14.00 – 18.00 Glass Hall

SESSION 10: HTLV, HHV6, HHV7, HHV8

Chairperson: V.E. Gurtsevich

1. The Expression of DNA Sequences Homologous to MMTV in Human Peripheral Blood Lymphocytes

Kriukova I. N., Malivanova T. F., Makhov P. B., and Lushnikova, A.A.; Oncological Center of Russian Academy of Medical Sciences, Moscow

2. Commercial killed vaccine against Herpes simplex virus types 1 and 2 as means for immunocorrection in chronic herpetic infection

I.F. Barinskiy; D.I. Ivanovskiy Institute of Virology, Moscow, Russia

3. HTLV-1 Defective Proviruses in MT-2 Cells and Infected Individuals

Morozov V.A.; Institute of Carcinogenesis, Cancer Research Center, Moscow, Russia

4. Detection and Clinical and Morphological Investigation of Gastric Carcinomas Associated with Epstein-Barr Virus

Gurtsevitch V. Novikova E., Yakovleva L.S., Stepina V.N.; N.N. Blokhin Cancer Research Center, RAMS, Moscow, Russia

5. Human Herpes Virus Type 8 (HHV-8): a New Findings in the World and in Russia

E. Kadyrova; N.N. Blokhin Cancer Research Center, RAMS, Moscow, Russia

6. Antibodies to Structural Proteins of HERV-K10 as Possible Markers of Human Germinal Tumors

Kleiman¹, N.B.Seniuta¹, A.A.Triapkin², A.S.Tiuliandin², and V.E.Gurtsevich¹; ¹Research institute of Carcinogenesis and ²Research Institute of Clinical Oncology of Oncological Center of Russian Academy of Medical Sciences, Moscow, Russia.

7. Evaluation of Possible Use of the Recombinant Capsid Protein of Herpes Virus Type 8 in ELISA of Specific Antibodies

N.K. Danilyuk, M.P. Grishayev, A.D. Ammosov E.L., Kadyrova, V.E. Gurthevich; ZAO Vector-Best, Koltsovo, Novosibirsk region; Oncological Scientific Center, RAMS; Russian Federal AIDS Center

8. Recombinant HTLV-I p40^{TAX} Protein and Its Diagnostic Value

Susova O.Yu., Gurtsevitch V.E., Pavlish O.A.; Cancer Research Center of Russian AMS, Moscow, Russia

9. Molecular Biological Analysis of LMP-I Gene Variants of EBV Persisting in NPC Tissues

Scherbak L.¹, Novikova E.¹, Pavlish O.¹, Belousova N.¹, Hahn P.², Grasser F.², Muller-Lantzsch N.², Gurtsevitch V.¹; ¹Cancer Research Center, Moscow, Russia; ²Institut für Medizinische Mikrobiologie und Hygiene, Abteilung Virologie, Homburg, Germany

14.00 –18.00 — White Hall

SESSION 5: Molecular design, targeted synthesis, and manufacturing of substances and therapeutic drugs against HIV/AIDS

Chairperson: V.A.Ostrovsky

1. Current Trends in the Search for Chemotherapeutic Drugs against HIV

A. M. Yurkevich; M.V. Lomonosov Academy of Fine Chemical Technology, Moscow, Russia

2. HIV Protease Inhibitors

V.A.Ostrovsky; Technological Institute, Saint-Petersburg

3. Development of Novel Synthetic Therapeutic Drugs

B.A. Ivin; St. Petersburg Chemico-Pharmaceutical Academy

4. Molecular Design of DNA Complexons

A.V.Garabadjiu.

5. Protolytic Equilibria of Synthetic Analogues of Purine Bases

R.E. Trifonov; Technological Institute, St.-Petersburg, Russia

6. Chemical Technology Problems of Manufacturing Therapeutic Drugs against HIV

A.A. Malin; Technological Institute, Saint-Petersburg

Poster Session**1. Antiviral Activity of Sesquiterpene Lactones**

S.M. Adekenov, A.T. Kulyasov, A.G. Berdin, V.E. Berezin, A.P. Bogoyavlinskiy*, V.P. Tolmacheva*, S. Khudiakova**; Institute of Phytochemistry, Karaganda *, Institute of Microbiology and Virology

2. Piperidine Derivates Suppress Virus Production under Chronic HIV-Infection

Kornilayeva G.V.¹, Grishina G.V.², Zilbershtein T.M.², Chumakov T.I.², Yaroslvtseva N.G.¹, Zefirov N.S.², Karamov E.V.¹; D.I. Ivanovsky Institute of virology RAMS, Moscow, Russia; Department of Chemistry, Moscow State University, Russia

3. Directions of Synthesis and Transport Properties of Adamantyl Azoles as Potential Virus Inhibitors

Petelsky M.B., Tshipin V.G., Gavrilov A.S.; Technological Institute, St.-Petersburg, Russia

4. Preparation of Thymidine and Other Natural Deoxyribonucleosides

T.V. Shakhova, G.I. Mayorova, L.I. Motina, Ya.E. Gitzina, V.A. Ulitina, S.A. Rumyantzeva; Lecbiotech Laboratories, Moscow

5. Lexitropsins as DNA Sequence-Specific Active Compounds

*A.N. Sinyakov, V.A. Ryabinin, G.A. Nevinsky**; State Research Center of Virology and Biotechnology "Vector" Novosibirsk Institute of Bioorganic Chemistry SD RAS

6. 1,4-Disubstituted tetrazole-5-ones as Potential Antitumor Preparations

Yu.V. Poplavskaya, L.V. Alam, and G.I. Koldobskiy; Technological Institute, St. Petersburg, Russia

7. The Immunostimulatory Activity of Plant Triterpens and Their Derivatives

T.N. Ilyicheva, T.R. Pronyaeva, E.E. Schul'ts, G.A. Tolstikov*, A.G. Pokrovskiy*; Research Institute of Molecular Biology, "Vector" Laboratories, Koltsovo, Novosibirsk Region, 633159, Russia; *Novosibirsk Institute of Organic Chemistry, Siberian Division, Russian Academy of Sciences

8. Evaluation of Anti-HIV Drugs Using Chronically HIV-1 Infected Cultures of Human Monocytes

Plyasunova O.A., Mamaeva O.A., Gashnikova N.M., Feduk N.B., Pokrovsky A.G.; Research Institute of Molecular Biology, State Research Center of Virology and Biotechnology "Vector", Novosibirsk Region, Koltsovo, 633159, Russia

9. Enzyme immunoassay for detecting glycyrrhizic acid

Fedyuk N.V., Iljicheva T.N., Oljkin S.E., Abdullaev S.M., Pokrovsky A.G.; Institute of Molecular Biology, Vector Laboratories, Koltsovo, Novosibirsk region, Russia

10. Synthesis, Structure, and Biological Activity of 5,5'-Methylene-bis-Pyrimidine Derivatives

A.V. Moskvina, N.P. Reznikova, A.G. Kozmina, M.P. Mescheriakov, B.A. Ivin, and V.V. Tets*; Chemicopharmaceutical Academy and Pavlov Medical University, St. Petersburg

14.00–18.00 — Blue Hall

Round table discussion: Non-governmental organizations for AIDS control: analysis of the first decade of AIDS in Russia and development of strategy for further actions

Mediator: G.A. Krimenskiy

9.00–13.00 — Glass Hall

SESSION 12: Biotechnology

Chairperson: L. N. Petrov

1. Advances of Perkin-Elmer Company in Biotechnology

Bronnikov D. O.; Perkin-Elmer Co.

2. Biodegradable Wound Coverings Based on Collagen and Chitosan and Containing Superoxide Dismutase or Liposomal Beta-Carotene for Therapy of Ulcers, Burns and Other Skin Diseases

S.F.Antonov, Avtushenko S.S., B.A.Nikonov, G.I.Sigaev, A.I.Kobotov, N.B.Verbitskaya, I.V.Churilova; Research Institute of Pure Biochemicals, St. Petersburg

3. The use of electron microscopy in studies of the structure of microbial communities aimed at designing of new generation eubiotic preparations

Rybalchenko O.V., Verbitskaya N.B, and Petrov L.N.; Research Institute of Pure Biochemicals, St. Petersburg, Russia

4. Autoregulation of bacterial growth and its role in the maintenance of qualitative and quantitative composition of human microflora

Vakhitov T. Ya., Petrov L. N., and Dobrolezh O.V.; Research Institute of Pure Biochemicals, St. Petersburg

5. Use of ¹H-NMR to analyze preparations of autostimulators of M-17 *E. coli* growth

Vakhitov, T.Ya., Tolparov Yu.N., Momot Ye. N., Petrov L.N., and Sventitskiy Ye.N.; Research Institute of Pure Biochemicals, St. Petersburg, Russia

6. The use of VITAFLOR preparation for treating children with allergic dermatitis

Melnikova I.Yu., Volkova L.G., Averina Ye.A., Ashkromova E.E., Nachinkina T.A., and Petrov L.N.; Medical Academy of Postgraduate Training, Pediatric Dermatological Consulting Center, and Research Institute of Pure Biochemicals, St. Petersburg, Russia

7. The use of VITAFLOR preparation for treating vulvovaginitis in children

N.A. Kokhraidze, L.Ye. Mikhailova, N.M.Shamarina, L.N.Petrov; Gynecological Department, Hospital for Treating Children's Infections; Research Institute of Pure Biochemicals, St. Petersburg

8. Overview of poster presentations

B. N. Nikolayev; Research Institute of Pure Biochemicals, St. Petersburg

Poster Session

1. Investigation of the stability of a liposomal beta-carotene preparation "Normostat" during storage

Avtushenko S.S. B.P. Nikolaev, L.A.Prokophieva, E.N. Sventitskiy, D.K. Toropov, E.V. Chernyaeva, Shlyakov, L.Yu.Yakovleva; Research Institute of Pure Biochemicals, St. Petersburg

2. Isolation and identification of growth autostimulators from *Escherichia coli* strain M-17

T. Ya. Vakhitov, N.V. Visnold, Ye.A. Protasov, and L.N.Petrov; Research Institute of Pure Biochemicals, St. Petersburg

3. Desglycine-vasopressin amide as a novel promising drug for treatment and prevention of some forms of hemorrhagic diatheses

Smirnova M.P., Andreyeva T.A., Garegina O.V., Golubeva M.G., Grigoriyeva M.E, Kolodkin N.I., and Kaurov O.A.; Research Institute of Pure Biochemicals (St. Petersburg), Moscow State University (Moscow), and Center for Hemophilia Treatment (St. Petersburg).

4. Methods for Controlling Drug Inclusion into Liposomes

Avtushenko S.S., *E.A. Protasov, E.M. Sorokin, L.F. Smirnova, D.K. Toropov, O.G. Mikhajlova; Research Institute of Pure Biochemicals, St. Petersburg, Russia*

5. Mechanisms of Liposome Interaction with Cells

Avtushenko S.S., *E.M.Sorokin, Yu.A.Morozova, I.L.Potokin, N.V.Visnol'd; Research Institute of Pure Biochemicals, St.Petersburg, Russia*

6. The use of VITAFLOR preparation for treating children with allergic dermatitis

Melnikova I.Yu., Volkova L.G., Averina Ye.A., Ashkromova E.E., Nachinkina T.A., and Petrov L.N.; Medical Academy of Postgraduate Training, Pediatric Dermatological Consulting Center, and Research Institute of Pure Biochemicals, St. Petersburg, Russia

7. Electron-microscopic detection of interferon- α inclusions in LB-21 *E. coli* cells

Rybalchenko O.V., Cherepanov P.A., Tiagotin Yu. V., Ischenko A. M., and Lisitskaya V.I.; Research Institute of Pure Biochemicals, St. Petersburg, Russia

9.00 – 13.00 — White Hall

Workshop of International AIDS Society "Combined drug therapy of HIV infection and AIDS"

Chairpersons: C. Vella, V.A. Golikov

Special lectures:

Combined drug therapy of HIV infection and AIDS

C. Vella, International AIDS Society

Treatment of HIV infection in adults and adolescents

V. A. Golikov; 2nd Hospital of Infectious Diseases, Moscow

1. Tripsin inhibitor in urine is a prognostic marker of HIV infection

Papashvili M. N., Institute of Immunology, Moscow, Russia

2. Onsetting of infection treatment according to Pasteur right after exposure to HIV is the basis of successful antiretroviral prevention of the progression of HIV infection

V. I. Votyakov, V. F. Yeremin, L. P. Titov, T. V. Amvrosieva; Research Institute of Epidemiology and Microbiology, Minsk, Belorussia

3. Perinatal HIV transmission to the newborn

G.N.Isayeva, T.T.Smolskaya**, G.I.Korovina**, L.Yu.Afonina*, N.A.Kevlova**, Ye.Ye.Voronin*;
*Republican Infectious-Disease Hospital, Ust'-Izhora, ** Pasteur Institute, St. Petersburg*

4. The use of inducers of endogenous interferon in treatment of HIV infection

Ye. I. Zmushko, A. Zh. Karabekov, Ye. S. Belozarov, and V.V. Katsalukha; Military Medical Academy, St. Petersburg

5. The use of ManaX Preparation in Complex Therapy of HIV-Infected Subjects

*A.S. Prilutskiy¹⁾, N.P. Grazhdanov¹⁾, V.G. Seliverstova¹⁾, Ye.I. Glushkova²⁾, V.A. Tsuprokov³⁾;
¹⁾ Donetsk State Medical University, ²⁾ Donetsk Regional Center of AIDS Control, ³⁾ "OMNI-UKRAINA" S.A., Donetsk, Ukraine*

6. Two-Year Experience of HAART

Golokhvastova E.L., GalinaM.V., Morgunova N.M., Kravchenko A.V., Gruzdev B.M., Bogoslovskaja E. V., Shipulin G.A., Olshansky A.Ya., Gorbacheva E.S, Golikov V.A.; Moscow City AIDS Center

7. On toxoplasmosis-associated infections

G.K.Zhumanbayeva, N.V.Kozachenko; Karaganda Medical Academy, Karaganda, Russia

8. An experience of ambulatory monitoring of patients with HIV-infection and AIDS in Khabarovsk area

A.I.Zherdeva, Ye.A. Shlenskaya, A.I. Luzhniak, S.V.Kirillov, and A.V.Kuznetsova; Khabarovsk Territorial Center of HIV Control, Khabarovsk

9. Early diagnostics of primary HIV-infection

V. Rutkovskiy, M.Sprede, L.Viksna, B. Rosentale; Latvian Infectological Center, Riga, Latvia

8. Conclusions

S. Vella

Poster Session

1. The efficacy of combined drug therapy at different stages of HIV-infection

N. V. Burova, Ye. Ye. Voronin, Yu. A. Fomin, F. E. Raise, M. V. Galkina, A. M. Pinsker, and T. T. Smolskaya; Republican Infectious-Diseases Hospital of Russian Federation Ministry of Health, Ust'-Izhora, and Pasteur Research Institute, St. Petersburg, Russia

2. Depression and neurological and psychological adaptation in young HIV-infected patients

I. M. Uliukin and N. V. Burova; Republican Infectious-Diseases Hospital of Ministry of Health of Russian Federation, Ust'-Izhora, St. Petersburg, Russia

3. Clinical Experience of Employing of Sponge-Like Biodegradable Wound Coverings in Treating Ulcerative Skin Diseases

N.N.Tretiakova, E.V.Sokolovsky; A.S.Avtushenko, S.F.Antonov, Avtushenko S.S. B.A.Nikonov, O.G.Mikhailova, I.V.Churilova*; I.P.Pavlov Medical University, * Research Institute of Pure Biochemicals, St. Petersburg*

4. Treatment of AIDS and cancer as autoimmune disorders

Seniuk O.F and Gorovoy L.F.; Institute of Molecular Biology and Genetics, National Academy of Sciences, Kiev, Ukraine

5. Prevalence and clinical characteristics of HIV-infection in Ukraine

Vovk, A.D., Scherbinskaya A. M., Antoniak S. N., Suprunenko T. V., and Zaginayko V. F.; L. V. Gromashevskiy Research Institute of Epidemiology and Infectious Diseases, Kiev, Ukraine

6. CD4/CD8 ratio in the HIV-infected patients with and without viral hepatitis B and C

Sumina E.V., Simonova I.A., Olshanskij A.J.; Moscow City AIDS Center

7. Evaluation of the efficacy of triple-drug therapy of HIV infection monitored with molecular biological methods

N.V.Sizova, T.T. Smolskaya**, V.P. Maslov*, G.I. Korovina**, S.I. Parkhomenko*, N.A. Kevlova**, G.V. Bogoyavllenskiy*; *City Center of AIDS Control, **Pasteur Institute, St. Petersburg*

8. Homeostatic Disturbances in HIV Infected Drug-Addicts of Karaganda Region

Kuznetsov N.P., Mingazova I.F., Tyukhtina Z.P., Kryukova V.A., Kozachenko N.V., Starikova S.Yu., Revenko S. I., Nurgalieva K Zh., Mustafina Zh. G., Desyatichenko E. I.; Karaganda, Kazakhstan

17.00-18.00 — White Hall

ROUND TABLE DISCUSSION: The problem of availability of medical drugs and vaccines II

Mediators: A.P.Kozlov, C.Vella

18.00–18.30

Session of Association against HIV/AIDS

Closing the Conference

Chairperson: A.P.Kozlov

Saturday, 29 May 99

Research Institute of Pure Biochemicals

3rd Russia–US Workshop “Emerging and Re-Emerging Infectious Diseases”