

Short Program
8th International Conference “AIDS, Cancer and Related Problems”

St. Petersburg, Russia (May 19–24, 2000)

House of Friendship, 21 Fontanka Embankment

19.05 Friday	15.00-17.00	OPENING CEREMONY (White-column Hall) Presentation of awards for outstanding contribution to campaign against HIV/AIDS Lectures of the award recipients		
	17.00	OPENING OF THE EXHIBITION (Knights' Hall)		
	17.15-18.00	PRESS-CONFERENCE (Conference Hall)		
	18.00	Banquet		
20.05 Saturday		<i>Conference Hall</i>		<i>Red Hall</i>
	9.00–10.00			TB WORKSHOP
	10.00–11.00	Lecture of Academician R. V. Petrov, Vice-President of the Russian Academy of Science		
	11.00–13.00	Session 1: HIV Vaccine	TB WORKSHOP	
	14.00–17.00	Session 1: HIV Vaccine	Session 2: Human Oncoviruses	
21.05 Sunday	9.30–13.00	Session 3: Epidemiology of HIV Infection	Session 4: Cytokines in AIDS, Malignancy and Other Diseases	
	14.00–17.00	Session 5: Laboratory Diagnostics, Monitoring of HIV and Opportunistic Infections Round Table: “How many laboratory testing do we need for HIV, STDs and other infectious diseases?”	Session 6: Molecular and Fundamental Aspects of Tumor Growth	
22.05 Monday	9.30–13.00	Session 7: Molecular and Cellular Biology of HIV Infection	Session 8: HIV Infection Among IDUs and Possibilities of Its Prevention	
	14.00–17.00	Session 9: Experimental and Theoretical Biology	Session 8: HIV Infection Among IDUs and Possibilities of Its Prevention	
23.05 Tuesday		<i>Conference Hall</i>	<i>Red Hall</i>	<i>Golden Hall</i>
	9.30–13.00	Session 10: Biosocial aspects of HIV/AIDS	Round table: “Role of mass media in fighting against HIV epidemic“	Session 11: Epidemiology and Prevention of STDs
		<i>Conference Hall</i>		<i>Red Hall</i>
	14.00–17.00	NIMH Symposium: “Prevention of HIV infection”		Session 12: Molecular and Cellular Aspects of Stress Biology
	17.00	Meeting of the Association against HIV/AIDS		
24.05 Wednesday	9.30–13.00	International AIDS Society (IAS) Workshop on HAART		Session 13: Biotechnology Session 14: New Technologies
	14.00–17.00	Session 15: Pathogenesis and Clinical Problems of HIV/AIDS and Cancer		Session 16: Molecular Design, Directed Synthesis and Manufacturing of Substances and Drugs Against HIV/AIDS

8th International Conference “AIDS, Cancer and Related Problems”

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Conference Program

May 19, Friday

- 15:00–15:30** White-column Hall
Opening ceremony
Co-chairs: *A. P. Kozlov and E. V. Karamov*
- 15:30–17:00 Presentation of Honorary Awards for Outstanding Contribution to Campaign against HIV/AIDS
Lectures of award recipients
- 17:00** Knight Hall
Opening of the Exhibition
- 17:15–18:00** Conference Hall
Press conference
- 18:00 Reception

May 20, Saturday

10:00–11:00 Lecture of Academician R. V. Petrov, Vice-President of the Russian Academy of Science

11:00–13:00, 14:00–17:00 **Conference Hall**

1. HIV VACCINE

Co-chairs: *R. V. Petrov and A. P. Kozlov*

Plenary session

I. General Issues

1. Lessons of Smallpox Eradication
A. P. Kozlov
Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg, Russia
2. Progress toward an HIV Vaccine
R. Hoff
NIAID, USA

3. HIV variability and vaccine development
S. Osmanov
WHO-UNAIDS HIV Vaccine Initiative, Geneva, Switzerland
4. Non-parenteral methods of vaccination
A. A. Vorobyev
Sechenov Medical Academy, Moscow, Russia
5. Interleukins and vaccines
S. A. Ketlinsky
Research Institute of Pure Biochemicals, St. Petersburg, Russia

13:00–14:00 Lunch break

II. Candidate vaccines under development within the framework of Russian Program “Vaccines of New Generation”

6. A Review of Candidate Vaccines against HIV, Developed within the Framework of Russian National Program «Vaccines of New Generation and Medical Diagnostics Systems of the Future»
Klimov N. A.
Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia
7. Design, quality control, and biological characterization of DNA vaccines
Murashov B. V., Romanovich A. E., Murashova I. V., Masharskiy A. E., Klimov N. A., and Kozlov A. P.
Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg
8. Candidate Live HIV Vaccine Based on Vaccinia Virus
Ryazankin I. A., Ryazankina O. I., Ignatjev G. M., Ageenko V. A., Babkin I. V., Schelkunov C. N.
State Scientific Center of Virology and Biotechnology “VECTOR”, Koltsovo, Novosibirsk Region, Russia
9. Attenuated Salmonella Strains as Vehicles for DNA Vaccine Delivery
Duchovlinov I. V., Gorodilova E. U., Murashev B. V., Romanovitch A. A., Karpenko L. I., Ilyichev A. A., Vorobyev A. A., Klimov N. A., and Kozlov A. P.
Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg; Institute of Bioengineering, Vector Laboratories, Koltsovo, Novosibirsk Region, Russia; Moscow I. M. Sechenov’s academic, Moscow
10. New HIV-1 Immunogen — Chimerical Soluble Recombinant Protein, Containing Fragments of HIV1 Structural Proteins
*Chevalier A. F., *Nikolaeva I. A., *Vazykhova F. G., Alekseev T. A., *Korobova S. V., *Sidorovich I. G. M.M. Shemyakin and Yu.A. Ovchinnikov Institute of Bioorganic Chemistry RAN; *Institute of Immunology RF Ministry of Health, Moscow, Russia*
11. A Mycella-Like Structure Exposing HIV-1 Epitopes
Lebedev L. R., Karpenko L. I., Porivaeva V. A., Raybchikova E. I., Ilyichev A. A.
State scientific center virology and biotechnology "Vector", Koltsovo, Novosibirsk region, Russia
12. Investigation of Immunogenicity of Peptides Mimicking Conserved Neutralizing Epitope on GP41 of Human Immunodeficiency Virus Type 1
Tumanova O. J.¹, Kuvshinov V. N.¹, Azaev M. Sh.¹, Masharsky A. E.², Klimov N. A.², Kozlov A. P.², Ilyichev A. A.¹
¹Institute of bioengineering, State Research Center of Virology and Biotechnology <Vector>, Koltsovo, Novosibirsk Region; ² Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia

13. Fragments of Surface Proteins of Serogroup B Neisseria Meningitidis as Potential Vaccine Components

Nesmeyanov V. A. and Volpina O. M.

M. M. Shemyakin and Yu. A. Ovchinnikov Institute of Bio-Organic Chemistry, Russian Academy of Sciences, Moscow

III. Candidates under consideration for the program

14. Fullerene-Based Vaccines. Immunochemical Properties of the Fullerene C₆₀ Conjugates

Andreev S. M., Babakhin A. A., Petrukhina A. O., Romanova V. S. , Sidorovich I. G.*

*NRC Institute of Immunology, Moscow; * Institute of Organoelement Compound of RAS, Moscow*

15. Targeted delivery of DNA vaccines

Anisimova V. A.

State Research Center of Applied Microbiology, Obolensk, Moscow Oblast, Russia

16. Evaluation of attenuated vaccinia virus strains as vectors for recombinant HIV vaccine

Borisevich S., Mikhailov V., Maksimov V., Makhlai A., Podkuiko V., Stovba L., Ruchko V., Levitov A., and Kirillov V.

Virological Center, Sergiev Posad, Moscow Oblast, Russia

17. An experience of developing and using tabletted MIBP

Podkuiko V., Mikhailov V., Maksimov V., Melnikov S., Evstigneev O., Chernikova N., Dorokhina T., Shulga S., Khaltaeva G., and Kornilova O.

Virological Center, Sergiev Posad, Moscow Oblast, Russia

18. HIV-1 protein domains having local similarities with human proteins

Bazhan S. I. , Bachinsky A. G., and Maksyutov A. Z.*

Vector Laboratories, Novosibirsk Oblast, Russia.

IV. Clinical trials of HIV vaccines

19. Clinical trials of HIV vaccines

I. G. Sidorovich

Institute of Immunology, Moscow, Russia

20. Rapid Whole Blood Analysis of Virus-Specific CD4+ and CD8+ T-Cell Responses in Persistent HIV Infection

Martina Sester¹, Urban Sester¹, Hans Kähler¹, Thomas Schneider², Ludwig Deml⁴, Ralf Wagner⁴, Nikolaus Möller-Lantsch⁵, Hans Pees², and Andreas Meyerhans⁵

¹Medical Department IV, ²I, ³II; University of the Saarland, ⁴Depart. Virol., Inst. Med. Microbiol., University Regensburg, and ⁵Depart. Virol., Inst. Med. Microbiol., University of the Saarland, 66421 Homburg, Germany

21. Possibility of Cohort Building with Participation of Drug Addicts

Ostrovsky D. V., Kozlov A. P.

Foundation "Return" and Biomedical Center

22. HIV, HBV and HCV in Injecting Drug Users in the European Union: Extent and Responses

Lucas Wiessing¹, Richard Hartnoll¹, Carla Rossi², Lucilla Ravó², Françoise Hamers³, Angela Downs³, Hans Houweling⁴, Siem Heisterkamp⁴, Hans Jager⁴

¹ European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) Portugal, ² Univ. Rome Tor Vergata Italy, ³ EuroAIDS France ⁴ RIVM The Netherlands

23. Development of Infrastructure and Training of Specialists for Conducting Preventive Interventions in Risk Groups

Kozlova O. S., Ryder R., Gorlinsky I. A., Kelly J., Merson M., Kozlov A. P.

Biomedical Center, St. Petersburg State University, Russia; Yale University, Medical School of Wisconsin, USA

24. Ethical Aspects of Biomedical and Biosocial Research

Gorlinsky I. A.

Biomedical Center, St. Petersburg State University, St. Petersburg, Russia

25. Ethical issues in HIV vaccine research

R. Lie*University of Bergen, Norway***Poster Session**

1. Engineering of recombinant plasmid for expression of synthetic TCI gene encoding multiple CTL-epitopes of HIV-1

Belavin P. A., Seregin S. V., Babkina I. N., Danilyuk N. K., Bazhan S. I.*SRC VB "Vector", Koltsovo, Novosibirsk region, Russia*

2. Role of Local Mucosal CTL In Protection Against Mucosal Viral Transmission

Belyakov I. M.*NIH, USA*

3. Study of Contents of Nucleic Acids in Preparation of Vaccine against AIDS Based on the Inactivated Virus

Gashnikova N. M., Kulyandin C. A., Pronyaeva T. R., Pokrovsky A. G.*Research Institute of Molecular Biology, Vector Laboratories, Koltsovo, Novosibirsk Region, Russia*

4. Delivery of anti-HIV-1 DNA vaccine using attenuated Salmonella strains

Karpenko L. I.¹, Ignat'ev G. M.¹, Agafonov A. P.¹, Murashev B. V.², Nekrasova N. A.¹, Veremeiko T. A.¹, Boichenko M. N.³, Vorob'ev A. A.³, Ilyichev A. A.¹*¹Institute of bioengineering, SRC VB "Vector", Koltsovo, Novosibirsk region; ²Biomedical Center, St. Petersburg; ³Sechenov I.M. Medical Academy, Moscow, Russia*

5. Cloning Genome Fragments of HIV-1 Variants from Former Soviet Union Countries for HIV Vaccine Development

Masharsky A. E., Nabatov A. A., Verevchkin S. V., Murashev B. V., Kozlov A. P.*Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia*

6. Investigation of Immune Response in Mice after DNA-Immunization against HIV-1

Romanovitch A. E., Murashev B. V., Klimov N. A., Kozlov A. P.*Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia*

7. Purification of gp120 and gp160 of HIV

Ryzhova T., Eremin V., Klimov N., Verevchkin S., Kozlov A. P.*Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg; Belorussian Research Institute for Epidemiology and Microbiology, Minsk, Belarus*

8. The Epidemiological Assessment of the Tolerance of a Hepatitis B Vaccine "EUVAX B"

Smirnov A. V., Tokmakov V. S., and Ogarkov P. I.*Military Medical Academy, St. Petersburg, Russia*

9. Using Combinatorial Phage Peptide Libraries for Studing Antigenic Structure of HIV-1 gp120 Protein

Tumanova O. J., Nekrasov B. G., Kuvshinov V. N., Ivanisenko V. A., Ilyichev A. A.*¹Institute of bioengineering, State Research Center of Virology and Biotechnology <Vector>, Koltsovo, Novosibirsk Region, Russia*

10. Design of Chimerical Core Antigen Hepatitis B Virus (HBcAg) Carrying HIV-2 gp36 Epitope

Veremeiko T. A., Savkin I. V., Karpenko L. I.*Research Institute of Bioengineering, State Research Center of Virology and Biotechnology "Vector", Novosibirsk Region, Koltsovo, Russia*

9:00–10:00, 11:00–13:00 Red Hall

ROUND-TABLE DISCUSSION ON TB

Participants: M. Merson, M. Salfinger, Yu. Levashov, and R. Ryder

Poster session

1. New approaches to the pre-operative treatment of patients with tuberculosis-related epididymitis
Gamazkov R. B., Jagafarova R. K., and Ivanova L. A.
St. Petersburg Research Institute of Phthysiology and Pulmonology
2. Decompressive plastic surgery for tuberculosis and spine tumors
Garbuz A. E., Guseva V. N., Yakimenko D. V., Beljakov M. V., and Kuklin D. V.
St. Petersburg Research Institute of Phthysiology and Pulmonology
3. Epidemiology of tuberculosis in the Northwest of Russia
Grishko A. N., Chuzhova N. M., Galkin V. B., Graschenkova O. V., and Guljelmi L. A.
St. Petersburg Research Institute of Phthysiology and Pulmonology
4. Hemodynamic disturbances in TB-related combined spine and lung lesions
Ivanova T. N., Ryzhova O. E., and Afonin D. N.
St. Petersburg Research Institute of Phthysiology and Pulmonology
5. Efficacy of glutoxim in combined treatment of destructive pulmonary diseases
Orlov S. V., Levashev N. Y., and Kozhemjakin L. A.
Institute of Pulmonology of St. Petersburg State Medical University; Research Institute of Phthysiology and Pulmonology, St. Petersburg; VAM Research Laboratories, St. Petersburg
6. Characteristic of Clinical Strains of *M. tuberculosis*
Stepanshina V. N., Shemyakin I. G.
State Research Center for Applied Microbiology, Moscow region, Obolensk, Russia
7. An experience of modern multi-level immunological diagnostics of tuberculosis of various locations
Shenderova R. I., and Chuzhova N. M.
St. Petersburg Research Institute of Phthysiology and Pulmonology
8. Causes of resistance to treatment of respiratory organ tuberculosis
Ivanova L. A.
St. Petersburg Research Institute of Phthysiology and Pulmonology
9. Characteristics of tuberculosis in adolescents under current epidemic conditions
Pavlova M. V.
St. Petersburg Research Institute of Phthysiology and Pulmonology

13:00–14:00 Lunch break

14:00–17:00 Red Hall

2. HUMAN ONCOVIRUSES

Co-Chairs: V. Gurtsevitch and F. Grasser

Plenary Session

1. Molecular Clock Analysis of Primate T-Cell Lymphotropic Viruses
Marco Salemi, Anne-Mieke Vandamme
Rega Institute for Medical Research, KULeuven, B-3000 Leuven, Belgium
2. Human T-Cell Leukemia Virus (HTLV) in Russia: Evaluation of the Risk for Population and Analysis of Its Origin in the Country
Gurtsevitch V.
N. N. Blokhin Cancer Research Center, Moscow, Russia
3. The Epstein-Barr Virus Nuclear Antigen 2 (EBNA2) Cooperates with the SMN Protein in Transactivating the Viral LMP2A Promotor
Hille A., Voss M., Adam S., Hennrich F., Spurk A., Holzer D., Mueller-Lantzsch N., and Grösser F. A.
Institut für Virologie, Universitätskliniken, 66421 Homburg/Saar, Germany
4. Expression of type D Retrovirus sequences in cell cultures
*K. V. Ilyin, A.S. Ostashkin, and G.G. Miller**
*N.N. Blokhin Cancer Research Center, RAMS, Moscow, Russia; * N. F. Gamalea Research Institute of Epidemiology and Microbiology, Moscow, Russia*
5. LMP-1 Gene Mutations of EBV Isolates Persisting in Patients and Healthy Individuals in Russia
Novikova E. V.¹, Scherbak L. N.¹, Pavlish O. A.¹, Hahn P.², Belousova N. V.¹, Nered S. N.¹, Klimenkov A. A.¹, Grösser F. A.², Mueller-Lantzsch N.², Gurtsevitch V. E.¹
¹ Cancer Research Center name after N. N. Blokhin, Moscow, Russia; ² Virology Institute, Universitätskliniken, 66421 Homburg/Saar, Germany
6. Characterization of a human mammary carcinoma-associated antigen and its immunological cross-reactivity with MMTV structural proteins
T. Malivanova, G. Telegin, A. Stroganova, A. Ovsepyan, and I. Kryukova
N. N. Blokhin Cancer Research Center, RAMS, Moscow, Russia
7. Human Endogenous Retrovirus Protein cORF Interacts with the Promyelocytic Leukemia Zinc Finger Protein
Sauter M., Boese A., Galli U., Mueller-Lantzsch N.
Institut für Medizinische Mikrobiologie und Hygiene, Abteilung Virologie, Haus 47, Universitätskliniken, 66421 Homburg/Saar
8. Typifying of papillomaviruses in human larynx biopsies by PCR and *in situ* hybridization
A. Manykin, L. Zavalishina**, G. Frank**, U. Andreeva**, E. Efremova***, F. Lysicin*, A. Petrov**, and M. Raygoza-Anaya*****
D.I. Ivanovsky Institute of Virology, RAMS, Moscow, Russia; **Moscow A.P. Gertsen Cancer Research Institute, Moscow, Russia; *Central Clinical Hospital, MC AP RF, Moscow, Russia; ****University of Guadalajara, Mexico*
9. Diagnostic and Prognostic Significance of Serum Antibodies to herv-k10 gag and env Peptides in Germ Cell Tumor
Kleiman A. M., Senyuta N. B., Triakin A. A., Tjulandin S. A., Karseladze A. I., Gurtsevitch V. E.
N. N. Blokhin Cancer Research Center RAMS, Moscow, Russia
10. Non-epidermic cervical cancer: investigations by *in situ* hybridization and immunochemistry
L. Zavalishina, U. Andreeva, G. Frank, A. Manykin, A. Petrov, and E. Efremova
P.A. Gertsen Cancer Research Institute, Moscow; D. I. Ivanovsky Institute of Virology, Moscow, Russia

11. Expression of Apoptotic and Angiogenic Markers in Tumor Cells of Kaposi's Sarcoma (KS) Patients
Kadyrova E., Stepanova E., Kazantseva I., Vavilov A.**, Baryshnikov J., Gurtsevitch V.*
*N. N. Blokhin Cancer Research Center, *MONIKI, **CNIKVI, Moscow, Russia*
12. Detection of Gene env MMTV Related Sequences in Human DNA, Isolated from Peripheral Blood Lymphocytes, by PCR
Makhov P. B., Lushnikova A. A., Denisova A. L., Karmosh N. G., Laktionov K. P., Polevaya E. B., Stavtsev M. H., Kryukova I. N.
Cancer Research Center RAMS, Moscow, Russia

Posters

1. Human papilloma virus and dysplasia and cancer of the cervix uteri in HIV-infected women: criterions fro evaluation of statistical data published in 1994–1999
E. V. Efremova, E. I. Sharapova**, and F. V. Lisitsyn***
**Central Clinical Hospital of Presidential Medical Centre of Russian Federation and **Ivanovsky Research Institute of Virology, Moscow.*
2. EBV- and HHV-8 specific markers in Kaposi sarcoma (KS) and gastric carcinoma (GC) patients
E. Kadirova, L. Scherback, E. Novikova, L. Yakovleva, V. Stepina, N. Emel'antseva, M. Kartasheva, V. Shakhgildyan**, V. Molochkov*, and V. Gurtsevitch*
*N. N. Blokhin Cancer Research Center? Moscow; *Moscow Oblast Institute for Clinical Research; **AIDS Center, Moscow, Russia*
3. High prevalence of HHV-8 in patients with EBV-positive forms of gastric carcinoma
*L. Yakovleva, E. Novikova, V. Stepina, E. Kadyrova, S. Nered, *G. Frank, A. Klimenkov, and V. Gurtsevitch*
*N. N. Blokhin Cancer Research Center and *P. A. Gertzen Institute of Oncology, Moscow, Russia*

May 21, Sunday

9:30–13:00 Conference Hall

3. EPIDEMIOLOGY OF HIV INFECTION

Co-chairs: R. Ryder and K. Nelson

Plenary Session

1. Epidemiologic methods in the study of HIV/AIDS
R. Ryder
Yale University School of Medicine, USA
2. Temporal Trends and Risk Factors in HIV Incidence and Other Infections in Drug Users in Baltimore, 1988–1998
Nelson K., Strathdee S., Celentano D., Vlahov D.
ALIVE Study, Johns Hopkins University Baltimore, MD U.S.A.
3. Beliefs and Behaviors Associated with STD Prevalence in Estonia
Wilson T. E.¹, Uuskula A.², Feldman J.¹, Holman S.¹ and DeHovitz J. A.¹
¹State University of New York, Downstate Medical Center, Brooklyn, NY and ²University of Tartu, Tartu, Estonia

4. HIV Epidemic in Belarus
¹Yeryomin V. F., ²Meleshko L. A., ³Veryovochkin S. V., ³Gagarina S. Yu., ²Zhdanovskaya O. M., ¹Gasich L., ⁴Busel A. P., ¹Titov L. P., ⁵Karamov E. V., and ³Kozlov A. P.
¹Research Institute of Epidemiology and Microbiology of Ministry of Health of Belarus, Minsk, Belarus; ²Republican Center of Aids Prevention, Minsk, Belarus; ³Biomedicine Center and State Research Institute of Pure Biochemicals, St. Petersburg, Russia; ⁴Mogilev Regional Center of AIDS Prevention, Mogilev, Belarus; ⁵D.I. Ivanovsky Research Institute of Virology of Russian Academy of Medical Sciences and M.S. Lomonosov Moscow University, Moscow, Russia.
5. Lower Rate of Heterosexual Transmission of Subtype B HIV-1 as Compared to Subtype A
Verevochkin S., Dyatlov R.*, Gagarina S., Isakova O.*, Shklyarenko S.+, Petrovskaya I. A.+, Popova L. N.+, Mainov S. V.#, Pavsky G. M.#, Fuchizhi I. S.®, Ostrovsky D. V.§, Kozlov A. P.
 Research Institute of Pure Biochemicals, *Biomedical Center, §"Vozvrashenie" Foundation, St.Petersburg, Russia; +NGO "Soglasie", AIDS Center, Nikolaev, #NGO"Radost Zhizni", ®STD Center, Odessa, Ukraine
6. HIV infection and hepatitis B and C in Ukraine: epidemiological parallels
Gural A. L., Marijevsky V. F., Sergeyeva T. A., and Kruglov Yu. V.
 Institute of Epidemiology and Infectious Diseases, Kiev, Ukraine
7. HIV Spread in Odessa Region
Sidyachenko A. I. and Nemtsov A. V.
 Health Care department of Odessa Administration and Regional Center of AIDS Prevention and Treatment, Odessa, Ukraine
8. Activation of the sexual way of HIV transmission: a new turn of HIV epidemic in Ukraine
Scherbinskaya A. M., Kruglov J. V., Botchkova L. V., Liulchuk M. G., and Andruschak L. I.
 Ukrainian Centre for AIDS prevention, Kiev, Ukraine

Posters

1. HIV epidemic in Zaporozhye
Adokhina L. I. and Tarantsova T. F.
 Regional AIDS Center, Zaporozhye, Ukraine
2. HIV Infection among Sailors: Diagnostics, Organization of Treatment, and Maintenance of Life Quality
Bayluk F. N., Zubov V. A., Ruban S. V., and Solodov A. A.
 Center for HIV Prevention and Treatment and Regional Water Transport Sanitary Center, Murmansk
3. Features of HIV Epidemic in the Far East of Russian Federation
Bogach V. V., Trotsenko O. E., Starostina I. S., Fomenko V. V., Balakhontseva L. A.
 Khabarovsk Research Institute of Epidemiology and Microbiology
4. Decrease of Prevalence of B Serotype of HIV-1 among Heterosexually Infected Persons in Moscow
Verevochkin S., Gagarina S., Pinevich A., Olshansky A.*, Pankova G.*, Yakovets R.*, Golikov V.*, and Kozlov A.
 Biomedical Center and, Research Institute of Pure Biochemicals, St. Petersburg; * Moscow City AIDS Center, Moscow
5. HIV Spread in Slavyansk Region of Krasnodar Territory
Gekalo V. P.
 Slavyansk Central Regional Hospital, Slavyansk-na-Kubani
6. HIV/AIDS-associated superinfections in drug addicts
Karabekov A. Zh., Belozarov Ye. S., and Zmushko Ye. I.
 Almaty, Kazakhstan; St. Petersburg, Russia

7. Epidemiological Surveillance and National Security of Russia
M. L. Livshitz, and L. V. Sultanov
Kemerovo State Medical Academy and Altai District Center for Prevention and Treatment of AIDS and Other Infectious Diseases
8. Viral hepatitis markers in HIV-infected persons of Volga Oblast of Russia
E. M. Matveeva, D. V. Novikov, E. O. Koptina, V. K. Pimenov, and N. A. Selivanov
Research Institute of Epidemiology and Microbiology, Nizhny Novgorod; D. I. Ivanovsky Institute of Virology, Moscow, Russia
9. AIDS-Associated and AIDS-Indicator Infections in the Far East of Russia
Skolubovich G. V., Zalyatdinov T. A., Merekina N. N., Shmeleva O. G., Platonova A. B., and Merkulova S.A.
Amur State Medical Academy, AIDS Treatment Center of the Amur Region, State Epidemic Inspection Center of Amur Region, Amur Regional Dermatovenereologic Dispensary and State Epidemic Surveillance Center of Amur Region, Blagoveschensk-on-Amur, Russia

9:30–13:00 Red Hall

4. CYTOKINES IN AIDS, MALIGNANCY AND OTHER DISEASES

Co-chairs: S. A. Ketlinsky and A. S. Simbirtsev

Plenary Session

1. Positional Cloning of Lps, Central Component of the Sole Mammalian Endotoxin Sensor
Poltorak A.
Howard Hughes Medical Institute, Dallas, TX, USA
2. Prospects for Using Cytokines in Prevention and Treatment of HIV Infection
Simbirtsev A. S.
State Scientific Center State Research Institute of Pure Biochemicals, Saint-Petersburg, Russia
3. Cytokine status of patients with demyelinating diseases
Kalinina N. M, Kalashnikova A. A*, Solntceva O. S*, Sorokina M. N#, and Gorelik E. Yu.#*
** All-Russian Centre of Emergency and Radiation Medicine EMERCOM of Russia, St. Petersburg, Russia, #Institute of Children's Infections, St. Petersburg, Russia.*
4. Determination of complement proteins in sera of patients infected by HIV
Ischenko A. M., Zhakhov A., Verevchkin S., Trofimov A., Rodin S., Tjagotin J., and Karabanova E.
Research Institute of Pure Biochemicals, St. Petersburg, Russia
5. Chromatographic Assay of the Recombinant Interleukin-1 β (IL-1 β) and of Its Receptor Antagonist (ra-IL-1)
Protasov E. A., Soloviova L. Ya., Antropova G. F., Antipova T. O., Pigareva N. V., Poliakova E. A., Yakunitskaya L. M., and Ischenko A. M.
State Research Institute of Highly Pure Biopreparations, St. Petersburg
6. Production of chemically modified recombinant cytokines and investigation of their properties
Martiushin S. V., Mitrofanov E. V., Zakhov A. V., Yakunitskaya L. A., Soloviova L. Ya., Antipova T. O., Poliakova E. A., and Ischenko A. M.
Research Institute of Pure Biochemicals, St. Petersburg
7. A study of C1q receptor on human astrocytes
Ischenko A., Khazhueva I., Zhakhov A., Trofimov A., and Kolobov A.
Research Institute of Pure Biochemicals, St. Petersburg, Russia

8. The Comparative Study of Biological Properties of Tumor Necrosis Factor Alpha Analogs
*Danilenko E. D., Masycheva V. I., Fadina V. A., Sysoyeva G. M., Fedosova L. K., Gamaley S. G., Merzlikin N. V., Lebedev L. R., Pustoshilova N. M., *Korobko V. G.*
*NIKTI BAV SRC VB «Vector», Novosibirsk Region, Berdsk, *Shemyakin and Ovchinnikov Biorganic Chemistry Institute (Russian Academy of Sciences), Moscow*
9. Dynamics of Inflammatory Cytokines in White Mice in Experimental Ebola Infection
Ignatjev G., Fredeking T., Chepurnova T.*
*SRC VB VECTOR, *Antibody Systems*
10. Modulation of Immune and Interferon Status by Phytoadaptogens in Patients with Oral Leukoplakia
Bocharova O. A., Pozharitzkaya M. M., Mezentzeva M. V., Chekalina T. L., Lyzhenkova M. A., Ospelnikova T. P., Tzvetnova M. V., and Philippova T. G.
N.N.Blokhin Oncological Center, Russian Academy of Medical Sciences; N.F.Gamalea Institute, Russian Academy of Medical Sciences, Moscow, Russia
11. A Study of Hemostimulating Effects of Liposomal Interleukin-1 β Using the Model of Cyclophosphamide-Caused Myelosuppression
Sorokin Ye. M., Smirnova L. F., Mikhailova O. G., Morozova Yu. A., and Sabetzky V. A.
State Research Institute of Pure Biochemicals, Saint-Petersburg
12. A study of neutrophil migration into the peritoneal cavity after intraperitoneal injection of human recombinant IL-8.
Antsiferova M. A., Varyushina E. A., Konusova V. G., and Simbirtsev A. S.
Institute of Pure Biochemicals, St. Petersburg, Russia
13. Combined use of betaleukin and roncoleukin in immunotherapy for generalized forms of chlamydial infections
Poznyak A. L., Simbirtsev F.S., Smirnov M.N., Mudritzky V.M., and Sidorchuk S.N.
Russian Medical Military Academy, Research Institute of Pure Biochemicals, and OOO Biotech, St. Petersburg, Russia
14. Recombinant interleukin-1 β (Betaleukin) in treatment of chronic genitourinary chlamydial infection
Molochkov V. A., Spirina G. K., Kladiyev A. A., and Simbirtsev A. S.
M.F.Vladimirsky Moscow Regional Institute of Clinical Research, Moscow; Research Institute of Pure Biochemicals, St. Petersburg
15. Betaleukin in treatment of recurrent HSV infection
*Kulagin V. I., Nikitina K. B., *Kladiyev A. A., and **Simbirtsev A. S.*
*Department of Dermatology and Venereology, Russian State Medical University, Moscow; *Institute of Biophysics, Moscow; *Institute of Highly Pure Biochemicals, St. Petersburg, Russia*
16. Clinical experience of using human recombinant interleukin-1 β incorporated into liniment compositions
Simbirtsev A. S., Ketlinsky S. A., Nikolaev B. P., Bubnov A. N., Chernyaeva E. V., Shlakov A. M., and Yakovleva L. Yu.
Research Institute of Pure Biochemicals, St. Petersburg, Russia

Posters

1. Features of immune status in patients with generalized forms of chlamydial infection with nervous system involvement
Poznyak A. L., Lobzin Y. V., Simbirtsev A. S., and Mudritsky V. M.
Military Medical Academy, St. Petersburg, Russia

2. Comparative efficacy of the rational use of Bestim in multimodal treatment of generalized chlamydial infection
Poznyak A. L., Simbirtsev S. M., Kolobov A. A., and Sidorchuk S. N.
Military Medical Academy and Research Institute of Pure Biochemicals, St. Petersburg, Russia
3. Clinico-etiological features of respiratory forms of chlamydial infection in young people
Poznyak A. L., and Sidorchuk S. M.
Military Medical Academy, St. Petersburg
4. A comparative evaluation of cytokine production by blood mononuclear cells of patients with proliferative breast diseases
Tcherdyntseva N. V., Babyshkina N. N., Slonimskaya E. M., Garbukov E. Yu., Afrimzon E. A., and Stakheyeva M. N.
Cancer Research Institute of Tomsk Scientific Center of Academy of Medical Sciences, Tomsk, Russia
5. Production of tumor necrosis factor alpha and others immunological parameters in rescue team members under chronic stress
Davydova N. I., Kalinina N. M., and Syssoev K. A.
All-Russian Centre of Emergency and Radiation Medicine EMERCOM of Russia, St. Petersburg, Russia
6. A study of TNF α -mediated relationships between immune system and polymorphonuclear neutrophils
Kisina T. E., Bahtin M. U., Syssoev K. A., and Kalinina N. M.
All-Russian Centre of Emergency and Radiation Medicine EMERCOM of Russia, St. Petersburg.
7. Interleukin-8 production in patients with chronic inflammatory pulmonary diseases
Syssoev K. A., Komlev A. D., and Kalinina N. M.
All-Russian Centre of Emergency and Radiation Medicine, EMERCOM of Russia, St. Petersburg
8. The Effect of Human Recombinant Tumor Necrosis Factor Beta on the Development of Adjuvant Arthritis in Mice
Fadina V. A., Sysoyeva G. M., Danilenko E. D., Pustoshilova N. M., Masycheva V. I.
NIKTI BAV SRC VB «Vector», Novosibirsk Region, Berdsk
9. The Use of Recombinant Interleukin-1 β in the Treatment of Patients with Purulent and Septic Diseases of Lungs and Pleura
Habarov Yu. A., Oganezov V. K., and Simbirtsev A. S.
Moscow Clinical Hospital No 83, Moscow; State Research Institute of the Pure Biochemicals, Saint-Petersburg, Russia

13:00–14:00 Lunch break

14:00–17:00 Conference Hall

**5. LABORATORY DIAGNOSTICS, MONITORING OF HIV
AND OPPORTUNISTIC INFECTIONS**

Co-chairs: I. G. Sidorovich and S. V. Verevochkin

Plenary Session

1. Study of peptide antigens sorption and development of test systems for HCV and HIV
Burov S. V., Lisok T. P., Leko M. V., Dorosh M. Yu., Shkarubskaya Z. P., Kharina M. A., Glinskaya O. V., Ioannisian E. M., Kysnetsova E. V.*, Maslennikova I. I.*, and Mobarhan A. X. A.**
*Institute of Macromolecular Compounds, RF Academy of Sciences, St. Petersburg, Russia; *Medical Centre «Avicenna», St. Petersburg, Russia*
2. The first domestically manufactured kit for detection of total antibodies to HIV-1 and -2
Kandrushin E. V., Tkachev V. K., Logunova L. B., Hohlova L. I., and Kostyukova I. A.
ISC Vector-Best, Koltsovo, Novosibirsk Oblast
3. Serodiagnostics of chlamydial infections by means of test systems manufactured by Company “Medical-Biological Union”
Manzeniuk I. N., Vorobiova M. S., Losev M. V., and Fedosov S. A.
Tarasevich Research Institute of Standardization and Control of Medical and Immunobiological Preparations and ZAO Medical-Biological Union, Moscow, Russia
4. Ways of Improvement of ELISA Diagnostics of HIV Infection: Experience of the International Study
*Nikolaeva I. A., Chevalier A. F., *Khalili G., Vazykhova F. G., Korobova S. V., Alekseev T. A., **Rezvani H., **Shafiri F., *Mahboudi F., Sidorovich I. G.*
*Institute of Immunology RF Ministry of Health, Moscow, Russia; *Iranian Pasteur, Institute, Tehran, Iran; ** Iranian Blood Transfusion Center, Tehran, Iran*
5. Analysis of the Sensitivity and Specificity of a 3rd Generation Enzyme Immunoassay Test System “IΦA-BJI S-III” for Detection of Antibodies to HIV
Raevskaya G. E., Martynenko D. L., and Chumak R. M.
AOZT “Diaprof Med”, Kiev, Ukraine
6. Specific features of laboratory diagnostics of hepatitis B/C and cytomegalovirus infection in patients with hemosuppression and hemoblastosis
Yaroslavtzeva N. G., Gushchin A. E., Garanzha T. A., Tupoleva T. A., Bagryantzeva S. Yu., Lukina E. A., Sysoeva E. P., and Filatov F. P.*
*Hematological Research Center, Russian Academy of Medical Sciences, and *Research Institute of Physicochemical Medicine, RF Ministry of Public Health, Moscow*
7. The Use of Two-Component In-House Control in Enzyme Immunoassay for HIV
Shevelev B. I., Yakovets R. A., Olshansky A. Ya., and Asadi Mobarhan A. H.
Moscow Center for Prevention and Control of AIDS; OOO “MC AVICENNA”
8. The Use of the Method of Polymerase Chain Reaction for an Estimation of Efficacy of Virus Inactivation in Model Experiment
Zubkova N. V., Mazepa V. N., Orlova K. A.
The firm “ImBio”, Research Institute of Microbiology and Epidemiology, Nizhny Novgorod, Russia
9. The use of monoclonal antibodies to detect circulating antigens of *Toxoplasma gondii* in blood serum in acute toxoplasmosis
Belanov E. F., Poryvaeva V. A., Dedkova L. M., Tkachenko T. N., Aborneva I. V., Gladkova S. V., Bormotov N. I., and Rukavishnikov M. Y.
Vector Laboratories and OOO Vector-Best, Koltsovo, Novosibirsk Oblast, Russia

10. Organization of quality control of EIA analysers in Russia

Kostrova O. B., Landau I. B., Muravnik L. M., Safyannikov I. N., and Safyannikov N. M.

St. Petersburg State Electrotechnical University and State Enterprise "MART", St. Petersburg, Russia

Posters

1. Diagnostic significance of Ecolab-Vironostica IV and Serodia-HIV test kits in confirmatory tests

Gorovenko N. A., Tsoi Ye. B., Kovalenko I. N., and Sysoletina I. P.

Center for AIDS and Infection Control, Khabarovsk, Russia

2. Standard serum panels as a warranty of the quality of ELISA test kits for antibodies to *Chlamydia trachomatis*

¹Manzeniuk I. N., ¹Vorobjova M. S., ²Fedosov S. A., and ²Losev M. V.

¹L. A. Tarasevich Institute and ²ZAO Medico-Biological Union, Russia

3. The issue of HIV diagnostics at the early stages of seroconversion

Lisok T. P., Burov S. V., Kuznetzova E. V., Olshansky A. Ya., Shevelev B. I., Nadezhdina L. B., Maslennikova I. I., and Asadi Mobarhan A. H.

OOO "MC AVICENNA", St. Petersburg; OOO "Diapharm", St. Petersburg; Moscow Center for Prevention and Control of AIDS, Moscow, Russia

4. EIA in serodiagnostics of HIV infection and viral hepatitis

Sbitneva N.N., Fadeeva M. M., Patrusheva N. B., Andreeva Ye. A., Kobiakova T. N., Beikin Ya. B., and Prazdnichkova T. I.

Center for Laboratory Diagnostics of Child and Mother Diseases, Yekaterinburg, Russia

5. Dynamic Testing of Blood Serum Samples of Subjects from Risk Groups for Antibodies to HIV-1 and HIV-2

Trubchaninova L. P., Andreev S. M., Baranova I. V., Malysheva A. N., Trefilyeva N. F., Ishchenko M. E., Petrukhina A. O., Milochkina Ju. N., and Blokhin V. P.**

*State Research Center of Russian Federation Institute of Immunology of the Ministry of Health, Moscow, Russia; * Central Medical Hospital, Krasnoyarsk, Russia*

6. Serodiagnostics of the Early Stage of HIV Infection in Drug Addicts

Trubchaninova L. P., Andreev S. M., Buravtzeva E. V., Baranova I. V., Trefilyeva N. F., Ishchenko M. S., Petrukhina A. O., and Ilyina N. I.*

*State Research Center of Russian Federation Institute of Immunology of the Ministry of Health, Moscow, Russia; * Russian Scientific and Educational Center for Prevention and Control of AIDS, Moscow, Russia*

7. Improving the Immunological Safety of Therapy Using Blood Components

Vozilkin O. V. and Zhiburt E. B.

Blood and Tissue Center, Military Medical Academy, Saint-Petersburg, Russia

8. Immunoassay of Tumor Markers Based on the Application of Polyclonal Monospecific Antibodies, Educated with Affinity Chromatography on Synthetic Peptides

Yurkina E. A., Ofitserov V. I., Samukov V. V., Sabirov A. N., Poryvaev V. D., Reshetnikov S. S.

SRC VB "Vector", JSC "Vector-Best", Koltsovo, Novosibirsk region, Russia

ROUND TABLE DISCUSSION: "HOW MUCH LABORATORY TESTING FOR HIV, STD, AND OTHER INFECTIOUS DISEASES IS ACTUALLY NEEDED?"

14:00–17:00 Red Hall**6. MOLECULAR AND FUNDAMENTAL ASPECTS OF TUMOR GROWTH****Co-Chairs: A. V. Itkes and A. P. Perevozchikov****Plenary Session**

1. “Suicide” effect of herpesviral thymidine kinase gene delivered to human hepatoma cells as a complex with oligopeptides
Ignatovich A., Dizhe E. B., Burov S. V., Akifiev B. N., and Perevozchikov A. P.
Institute of Experimental Medicine, RAMS, and ¹Institute of High Molecular Compounds, RAS, St. Petersburg
2. A polymorphic element of the EBNA-3C gene of Epstein-Barr virus: intragenic rearrangement in B-cell lymphomas resistant to standard therapy
Itkes A. V. ¹, Gilichinskaya Ya. M. ¹, Miandina G. I. ¹, Imamova L. R. ¹, Ostrovskaya A. V. ², Samochatova E. V. ².
¹ People Friendship University of Russia and ²Institute of Children's Hematology, RF Ministry of Health, Moscow
3. A New Isoenzyme of Tankyrase as a Novel Putative Cancer Antigen
Kuimov A. N.*, Kuprash D. V.#, Vdovichenko K. K.*, Petrov V. N.*, Kashkarova U.*, Boitchenko V.*, Lagarkova M. A.*, 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*
4. Probing a Role of Human Endogenous Retroviruses in Genome Transcription in Cancer and Normal Human Cells
Vinogradova T. ¹, Leppik L.¹, Akopov S.¹, Nikolaev L.¹, Kleiman A.², Senyuta N.², Sverdlov E.¹
¹Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia; ²Institute of Carcinogenesis, Cancer Research Center, Moscow, Russia.
5. Folding and Stability of Anti-Ferritin Single-Chain Fv Fragment and Constituent Domains as Potential Vehicles for Cancer Immunotherapy
Martsev S., Chumanevich A., Dubnovitsky A., Tsybovsky Ya., Stremovsky O. ¹, Deyev S.¹, and Kravchuk Z.
Institute of Bio-Organic Chemistry, Academy of Sciences of Belarus, Minsk; ¹Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow
6. Mutant tumor-derived genes in blood plasma of patients with mammary adenocarcinoma as molecular markers of the disease
Novik A.A., Belokhvostov A.S., Pestrerenko P.V., Bartnovskiy A.E., Goranin K.V., Spesitsev Yu. A., and Mihhailov A. V.
Military Medical Academy, St. Petersburg, Russia
7. Clinical Significance of Infecting the Cervical Epithelium by Oncogenic Types of Human Papillomavirus
Selkov S. A., Vedeneeva G. N., Ourmantcheeva O. F., Lisyanskaya A. S., Riskevich S. I., Donchenko L. M., Majorova T. J.
D. O. Ott Institute of Obstetrics and Gynecology, Russian Academy of Medical Sciences, S.-Petersburg, Russia
8. Vesicular Transport Gene, Bet1, Expresses Differently in Cell Lines, Transformed by Rous Sarcoma Virus
Chepurnih T., Shtutman M., Martynyuk A., Isachenko N., Bikova A., Yanushevich Yu., Tatosyan A.
Cancer Research Center, Moscow
9. Cloning, expression and detection of a single polypeptide interleukin-1 β -converting enzyme
Tikunova N.¹, Wallace A.²
¹ Institute of Bioengineering, Vector Laboratories, Koltsovo, Novosibirsk Oblast, Russia; ² The Queen's University of Belfast, UK

Posters

1. Assessment of Somatic Mutations in p53 Gene in Malignant Neoplasms of Various Localizations by Means of the Single-Sequence Conformation Polymorphism Method (SSCP)
Belyavskaya V. A.¹, Kungurtzeva O. N.², Smirnova O. Yu.¹, Cherdyntzeva N. V.³, Slonimskaya Ye. M.³, Oreshkova S. F.¹, Ilyichev A. A.¹, Kobzev V. F.², Romaschenko A. G.², and Voyevoda M. I.^{2,4}
¹ Institute of Bioengineering, State Research Center of Virology and Biotechnology "Vector", Koltsovo; ² Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences, Novosibirsk; ³ Institute of Oncology, Siberian Branch of Russian Academy of Medical Sciences, Tomsk; ⁴ Institute of Therapy, Center of Oncology of Russian Academy of Medical Sciences, Novosibirsk
2. Thermodynamic and Functional Study of Human IgG1 Isolated from Solid Tumors
¹Bliznukov O., Kravchuk Z., Tsybovsky Ya., and Martsev S.
¹Institute of Nuclear Physics, Russian Academy of Sciences, St.-Petersburg; Institute of Bio-Organic Chemistry, Academy of Sciences of Belarus, Minsk
3. Targets of monoclonal antibody to a HeLa-associated antigen in human malignant tumors
Bobrova T. S., Chuev Yu. V., and Morozov V. A.
Research Institute of Carcinogenesis, N.N.Blohin Cancer Research Centre, Russian Academy of Medical Sciences, Moscow
4. Phage Display: Possibilities to Use It for Studying Point Mutations
Voyevoda M. I.^{1,2}, Denisov S. G.², and Belyavskaya V. A.³
¹ Institute of Therapy, Siberian Branch of Russian Academy of Medical Sciences, Novosibirsk; ² Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences, Novosibirsk; ³ Institute of Bioengineering of the State Scientific Center of Virology and Biotechnology "Vector", Koltsovo
5. Chimeric scFv-Barnase Protein as a Potential Immunotoxin: Functional and Thermodynamic Study
Dubnovitsky A., Pashkin A.¹, Deyev S.², Yakutovich M., Chumanevich A., Kravchuk Z., Martsev S.
Institute of Bio-Organic Chemistry, Academy of Sciences of Belarus, Minsk; ¹Moscow Institute for Physics and Technology; ²Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow
6. The role of papillomavirus infection in different pathological conditions of cervix uteri
Kolomiyets I. A., Churuksaeva O. N., Urasova L. N., and Sevostiyaova N. V.
Research Institute of Oncology, Tomsk Scientific Center of RAMS SB, Tomsk, Russia
7. Tumor cell proliferation after single strong doses of γ -irradiation
Kuzovatov S. N.
Institute of Cytology, RAS, St. Petersburg
8. Detection of a Gene, Expressed in Rat Mammary Fibroadenoma Cells
Krukovskaja L. L., Masharsky A. E., Kozlov A. P.
Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg
9. The Effect of IFN-Producing Probiotic Subalin on Antitumor Activity of Mice Immunocompetent Cells
Litvjakov N., Tcherdyntseva N., Iljinyh I., Belyavskaya V.*, Smoljaninov E.
Cancer Research Institute of Tomsk Scientific Center of Acad. Med. Sci., Tomsk, Russia; *GNC VB "Vector", Koltsovo, Novosibirsk region, Russia
10. Detection of TNF- α level for evaluation of the efficacy of treating malignant cutaneous lymphomas
Markusheva L. I., Chistyakova I. A., and Savvateyeva M. V.
Central institute of Dermatovenereology, Moscow
11. Clinico-morphological characteristics of adenocystic carcinoma of salivary glands
Nedzvedz T.M.
Research Institute of Epidemiology and Microbiology, Minsk, Belarus

12. Some aspects of the cofactor role of HSV in the histogenesis of multiform glioblastoma
M. Nedzvedz, M. Khmara, S. Scheleg, and I. Kulichkovskaja
Research Institute of Epidemiology and Microbiology, Minsk, Belarus
13. Clinical significance of the infection of cervical epithelium with oncogenic types of human papillomavirus
Selkov S.A., Vedeneyeva G.N., Urmantcheyeva O.F., Lisyanskaya A.S., Riskevich S.I., Donchenko L.M., and Majorova T.J.
Ott Institute of Obstetrics and Gynecology, RAMS, St. Petersburg, Russia.
14. Study of multiple myeloma patient survival in N.N. Burdenko Central Military Hospital
Sidorovitch G.I., Smirnov R.N., Kuchma Yu.M, and Seryakov A.P.,
N.N. Burdenko Military Hospital, Moscow, Russia.
15. Послеоперационная иммунотерапия больных со злокачественными новообразованиями яичников
Сидорович И. Г., Новиков В. И., Власов А. А., Кротенко А. А., Макаров О. В.
Федеральный Центр НИИ иммунологии, Москва, РГМУ им. Н. И. Пирогова, Москва
16. Изучение гемостимулирующего действия липосомального интерлейкина-1 β на модели миелодепрессии, вызванной циклофосфаном
Сорокин Е. М., Смирнова Л. Ф., Михайлова О. Г., Морозова Ю. А., Сабецкий В. А.
Гос. НИИ особо чистых биопрепаратов, Санкт-Петербург

May 22, Monday

9:30 — 13:00, Conference Hall

7. MOLECULAR AND CELLULAR BIOLOGY OF HIV INFECTION

Chairperson: *E. V. Karamov*

Plenary Session

1. Molecular epidemiology of HIV-1 in Spain
C. Lopez-Galindes
Instituto de Salud Carlos III, Madrid, Spain
2. HIV-1 Serotypes Circulating among HIV-Infected Patients in Russia, Uzbekistan and Uganda
Vazykhova F. G., Nikolaeva I. A., Apryatin S. A., Korobova S. V., Verevchkin S. V., Ruzibakiev R. M., Sidorovich I. G.
*Institute of Immunology RF Ministry of Health, Moscow, Russia; *Biomedical Center-Research Institute of Pure Biochemicals, St.-Petersburg, Russia; ** Institute of Immunology AN RUzPAH, Tashkent, Uzbekistan*
3. Transcription regulation of cellular genes in cells infected by HIV
Sokolova T. M., Sleptsova I. V., Vorkynova G. K., Zverev W., and Uryvaev L. V.
D. I. Ivanovsky Institute of Virology, O.G. Andzhaparidze Institute of Viral Preparations, RAMS, Moscow, Russia
4. Further Studies of Molecular Characteristics of HIV Strains That Caused Epidemic in Kaliningrad Region
Kevlova N., Liitsola K., Smolskaya T., Korovina G., Markevich N., Tashkinova I. and Salminen M.
Paster Institute, Saint-Petersburg, Russia; National Health Institute, Helsinki, Finland

5. Dating the Origin of HIV-1 Group M and HIV-1 Group M/SIVcpz Separation with a New Method to Calibrate Clock-like Phylogenetic Trees
*Marco Salemi*¹, *Korbinian Strimmer*², *William W. Hall*³, *Eric Delaporte*⁴, *Souleymane Mboup*⁵, *Martine Peeters*⁴, and *Anne-Mieke Vandamme*¹
¹ Rega Institute for Medical Research, Katholieke Universiteit Leuven, B-3000 Leuven, Belgium; ² MIPS/GSF, Max-Planck-Institut für Biochemie, D-82152 Martinsried, Germany; ³ Department of Medical Microbiology, Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Dublin 4, Ireland; ⁴ Laboratoire Retrovirus, IRD, Montpellier, France; ⁵ African Network of HIV variability, Senegal
6. Heat Shock Induces HIV-1 Amplification
Karamov E. V.,* *Turgiev A. S.*,* *Kornilayeva G. V.*,** *Kopyl'tsov V. N.*,** and *Pavlova T. V.***
*Moscow University Institute for Applied Science; **Ivanovsky Institute of Virology of the Russian Academy of Medical Sciences, Moscow, Russia
7. Apoptosis and HIV infection in Jurkat and Jurkat-Bcl-x_L cell lines
*Karamov E. V.**, *Shumskaya M. A.**, *Kornilayeva G. V.**, *Chernyak B. V.*⁺ and *Teplova V. V.**
*D. I. Ivanovsky Institute of Virology, RAMS and ⁺Belosersky Institute of Physical and Chemical Biology, Moscow
8. Prevalence of Deletion Allele of the CCR5 Structural Gene in HIV-1 Patients and Healthy Individuals Representing Different Ethnic Groups
Nikolaeva I. A., **Amosenko F. A.*, *Apyatin S. A.*, *Boldireva M. A.*, *Alekseev L. P.*, *Korobova S. V.*, *Vazykhova F. G.*, *Nikolaev A. N.*, *Sidorovich I. G.*
Institute of Immunology of RF Ministry of Health; *Institute of Medical Genetics, RAMN, Moscow, Russia
9. The overexpression of a set of mitochondrial genes in HIV/SIV-associated B-cell non-Hodgkin's human and monkey lymphomas: probable contribution from the enhanced transcription of a limited set of and/or individual mitochondrial genes to apoptosis suppression and malignant transformation
Nikolaev A., *Martynenko A.*, *Hunsmann G.**, *Bodemer W.*** and *Tarantul V.*
Institute of Molecular Genetics, Russian Academy of Sciences, Moscow, Russia; *German Primate Centre, Germany, **FRCVDA, Tübingen, Germany
10. Possible mechanisms of hypervariability of different origin
Deichman A. M.
Oncological Center, Moscow, Russia

9:30–13:00 Red Hall

8. HIV INFECTION AMONG IDU AND POSSIBILITIES TO PREVENT IT

Co-chairs: D. V. Ostrovsky and P. Hartsock

Plenary Session

1. Public Health, Public Safety, and HIV Transmission
R. Heimer
Yale University, USA
2. Epidemic situation in St. Petersburg in 2000
Volkova G. V.
Center of Sanitary and Epidemiological Surveillance, St. Petersburg

3. Sentinel Epidemiological Surveillance: an Efficient Way to Monitor Epidemic Situations in Poorly Accessible Groups
Smolskaya T., Ostrovsky D., Kotova S., Shilova E., Suvorova S., Terentieva Zh., Volkova G., Pimenov A., Kobyscha Yu., and Khodakevich L.
Paster Institute, Regional Public Organization "Vozvrascheniye", and UNAIDS Program, Saint-Petersburg, Russia
4. Changes in the narcoscene caused by law-enforcement measures and the beginning of HIV epidemic
Suvorova S. V.
Regional Public Organization "Vozvrascheniye", St. Petersburg, Russia
5. Acute food poisoning in drug users
Kalmanson M.L.
Research Institute of Emergency Medicine, St. Petersburg
6. Results of testing injection drug users for HIV in Poltava city.
Y.V. Kruglov, A.M. Sherbinskaya, L.I. Andrushchak, E.N. Kislykh, and E.V. Maksimenok
Gromashevsky Research Institute of Epidemiology and Infectious Disease and Ukrainian Center for AIDS Prevention, Ukraine
7. HIV epidemic among drug users in Nikolayev Oblast
Rogovskoy V.A., Ruban Z. V., Zlagodukh A.G.
Regional Center for Prevention and Treatment of Drug Addiction, Alcoholism and AIDS, Nikolayev, Ukraine
8. Network of projects for HIV/AIDS prevention among injecting drug users.
Semikop T.E., Kitsenko N.A., Andrushak L.I., and Kiunov V.N.
Public Movement "Faith, Hope, and Love", Odessa, Ukraine.
9. Field work with street walker women conducted along the lines of Kaliningrad harm reduction project
Dreizin A.A.
Kaliningrad Public Foundation "No to AIDS and drugs", Kaliningrad, Russia
10. Problems in studying the rate of sexual HIV transmission from IDU to their sexual partners
Maynov S. V. And Yeremenko O.V.
Public movement "Radost Zhyzni", Odessa, Ukraine
11. Urgent Problems of HIV Prevention in a City where 80–90 Percent of Drug Users are HIV-Infected
Shklyarenko S. Yu.
Voluntary Charity Society "Soglasie", Nikolayev

13:00–14:00**Lunch break**

14:00–17:00 Red Hall**8. HIV INFECTION AMONG IDU AND POSSIBILITIES TO PREVENT IT****Co-chairs: D. V. Ostrovsky and P. Hartsock****Plenary Session**

12. How injection practices relate to HIV transmission
R. Heimer
Yale University, USA
13. The impact of “Vozrozhdeniye” harm reduction project on risk behavior of injecting drug users with regard to HIV infection
Badriyeva L. I., Karchevskiy E. M., and Romanenko O. M.
Republican AIDS Center, Kazan, Tatar Republic of Russian Federation
14. Epidemiological HIV surveillance in Siberia
Kalacheva G. A.
Siberian Regional Center for AIDS Control, Omsk, Russia
15. Harm reduction programs in Belarus
Gailevich R.
UN Office, Minsk, Belarus
16. HIV among IDU in Moldova
Georgita S.
National AIDS Center, Kishinev, Moldova
17. The Experience of Implementing Programs of HIV Prevention in Yekaterinburg
Khalidova M. V., Ludevig M. Z.
Regional Public Fund “Sovremennost” and Regional Center for AIDS Prevention and Treatment, Yekaterinburg
18. Evaluation of behavioral risk factors of HIV spread among drug users in Tver
Perehodchenko E. N., Kolesnik A. N., Kukushkina E. B., and Piliysova O. A.
Center for AIDS Control, Tver, Russia
19. HIV prevention in young hard-to-deal-with drug users of a St. Petersburg suburb
Baranova A. Ye
Sanitary and Epidemiological Surveillance Center, Kolpino, St. Petersburg, Russia
20. Experience of Harm Reduction Programs in Moscow
Dolzhanksaya N. A., Zikov O. B., Lozovskaya I. C., Polyatikin C. A., Proskuryakova O. E.
Russian Charity “No to Alcoholism and Narcotics”, Moscow
21. Harm reduction programs and public opinion
Oleynik S.
Anti AIDS Foundation, Penza
22. A Decade of Evaluating AIDS Prevention in Amsterdam
Erik JC van Ameijden
Trimbos Institute (Netherlands Institute of Mental Health and Addiction), Utrecht
23. The Russian approach to Western harm reduction strategy
Ostrovskiy D. V.
ROO Vozvrashcheniye, St. Petersburg, Russia

Posters

1. Features of HIV Infection in Intravenous Drug Users in Murmansk Region
Babich N. G., Bayluk F. N., and Ruban S. V.
Murmansk Center for AIDS Prevention and Treatment
2. A comparative characterization of risk behavior of drug addicts interviewed in different years
Golubkova A. A., Dubrovina M. P., Romanova N. M., Kadyrova O. Y., Patric E. V., Degtyar E. S., and Filippov M. V.
Center for Control of AIDS and Infectious Diseases, Ural Medical Academy, Russia
3. Prevalence of HCV markers as a indirect indicator of drug addiction prevalence
Zherdeva A. I., Kuznetsova A. V., Gorovenko N. A., and Misak O. N.
Center for Control of AIDS and Infectious Diseases, Khabarovsk, Russia
4. HIV/STD Preventive Maintenance Among Injection Drug Users in Odessa
Kitsenko N. A., Semikop T. E., Kiunov V. N.
Public Movement "Faith, Hope, Love", Odessa, Ukraine
5. The experience of dealing with compact gypsy population groups of Kaliningrad and Kaliningrad Oblast
Krylova N. V.
Kaliningrad Public Foundation "No to AIDS and Drugs", Kaliningrad, Russia
6. Altered behavior of HIV-infected individuals after being informed about their diagnosis
Fedotova T. T. and Khalidova M. V.
Regional Center for AIDS Control, Yekaterinburg, Russia

14:00–17:00 Conference Hall

9. EXPERIMENTAL AND THEORETICAL BIOLOGY

Chair: A. P. Kozlov

Plenary session

1. From Gene Competition to Uncertainty Principles
Kozlov A. P.
Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg
2. Low molecular weight nuclear RNAs
Yevtushenko V. I.
Research Institute of Radio-Roentgenology, St. Petersburg, Russia
3. Antisense RNA of retroviruses: retrospect and prospects
Perevozchikov A. P.
Research Institute of Experimental Medicine, St. Petersburg, Russia
4. The concept of modular structure of tissues
Savostjanov G. A.
Research Institute of High Molecular Weight Compounds, St. Petersburg, Russia
5. Physical modeling of growth selection processes and modern biochip technologies
Luchinin V. V.
Electrotechnical University, St. Petersburg, Russia
6. Topological coding model of chain polymers and the problem of protein structure prediction
Karasev V. A.
Electrotechnical University, St. Petersburg, Russia

7. Protein folding as a linguistic problem
Golubev A. G.
Research Institute of Experimental Medicine, St. Petersburg, Russia
8. Human genome project: advances and prospects
Yankovsky N. K.
Institute of genetics, RAS, Moscow
9. Cancer genomics
Baranova A. V.
Institute of genetic, RAS, Moscow

May 23, Tuesday

9:30–13:00 Conference Hall

10. BIOSOCIAL ASPECTS OF HIV

Co-chairs: I. A. Gorlinsky, A. A. Krylov, and A. O. Boronoyev

Plenary Session

1. HIV and STD Risk and Preventive Behavior among Cocaine and Heroin Users
David Wyatt Seal, Anton M. Somlai
The Rain Project Team, Center for AIDS Intervention Research, Department of Psychiatry and Behavioral Medicine, Medical College of Wisconsin; Milwaukee, Wisconsin, USA.
2. Implementing an HIV/AIDS Risk Reduction Intervention for Drug Using Men and Women
Somlai A. M., Kelly, J. A.
Research on AIDS International (RAIN) HIV Prevention Group; Center for AIDS Intervention Research (CAIR), Medical College of Wisconsin; Biomedical Center; and St. Petersburg State University.
3. HIV-prevention in teenagers and adolescent
Shaboltas A. V. and Safonova P. V.
Prevention Unit, St. Petersburg State University, St. Petersburg, Russia
4. The results of the activities of the teaching volunteers for the realization of AIDS and high risk behavior prevention program among teenagers. The results of “Teen’s to Teen’s “ program
Khmyrov A., Panfilov G., Popova L., Gretchneva M., Kotchkina O., Posina E.
NGO “ The View of the Future”
5. Studying and forming of the public opinion in HIV prevention
Sokolov N. B.
Center of Sociological Studies, Faculty of Sociology, and Prevention Unit, St. Petersburg University, St. Petersburg, Russia
6. Interactive Learning on HIV/STD Prevention among Youth in Estonia
Priimägi L., Kaldmäe P., Raudsepp A., Grinchak M., Väljaots E.
Estonian Association Anti-AIDS, Tallinn, Estonia
7. A combined approach to settling social problems of young people
Krasnosumova T. N.
Regional Public Organization “Center of Teachers’ Initiative”

Posters

1. A comprehensive medico-social system of HIV/AIDS prevention in teenagers
Varyvonchik D.
Ukrainian Institute of Public Health, Kiev, Ukraine
2. Up-to-date methods of educational work for prevention of AIDS, sexually transmitted diseases, and unwanted pregnancy in adolescents
Loginova T. A. and Fedosenko O. V.
Municipal Narcological Hospital and Organon Representative Office, Kiev, Ukraine
3. Social and hereditary factors in HIV prevention among drug addicts
Osnitsky A. V.
Center of Social, Psychological, and Legal Investigations

9:30–13:00 Red Hall

ROUND TABLE: “ROLE OF MASS MEDIA IN FIGHTING AGAINST HIV EPIDEMIC“

Chair: O. V. Gridasova

9:30–13:00 Golden Hall

11. EPIDEMIOLOGY AND PREVENTION OF STDS

Chair: E. V. Sokolovsky

Plenary Session

1. Prevalence of syphilis in Russia: prognosis for further development of the epidemic
Privalova N.
I. Pavlov Medical University, St. Petersburg, Russia
2. A comparative characteristic of syphilitic female patients with regard to drug abuse
Karapetian A. F., and Lomakina S. V.
I. P. Pavlov Medical University, St. Petersburg, Russia
3. Epidemiological, medical, and social aspects of syphilis among pregnant women
Arbuzova I. A., Sokolovsky E. V., Kovarsneva A. S., Oganessian M. V., and Aravijskaya E. R.
I. P. Pavlov Medical University, St. Petersburg, Russia
4. The impact of drugs on sexual behavior and the prevalence of syphilis
Karapetian A. F. and Aravijskaja E. R.
I. P. Pavlov Medical University, St. Petersburg, Russia

Posters

1. Epidemiological and immunological aspects of sexually transmitted diseases (STD) in Velikiy Novgorod
Arhipova E. I., Arhipov G. S., Zagrebneva S. N., Moskvina I. I., P'ianih V. A., Stepanova I. V., Chupri N. V., Mogilevic T. L.
Novgorod State University, Novgorod, Russia

13:00–14:00 Lunch break

14:00–17:00 Conference Hall**PREVENTIVE STRATEGIES IN HIV/AIDS****NIMH SYMPOSIUM**

Chair: *E. Stover*

Plenary Session

1. Preventive Intervention to Reduce Sexually Transmitted Infections: Results from a Field Trial in the Royal Thai Army
David D. Celentano
Department of Epidemiology, School of Public Health, Johns Hopkins University, Baltimore, MD, USA
2. International counseling and testing study
T. Coates
University of California, San-Francisco, USA
3. NIMH Multisite Trial (“Project Light”).
Willo Pequegnat
NIMH, USA
4. Interventions with vulnerable youth
Mary Jane Rotheram
Los-Angeles University of California, USA
5. Community-level HIV prevention interventions
Jeffrey A. Kelly
Medical College of Wisconsin, USA

14:00–17:00 Red Hall**12. MOLECULAR AND CELLULAR ASPECTS OF STRESS BIOLOGY**

Co-chairs: *B. A. Margulis and R. Wail*

Plenary Session

1. The Effects of Exogenous Stress Protein HSP70 on Human and Animal Cells: Review and Perspectives
Margulis B. A., and Guzhova I. V.
Research Institute of Cytology, Saint-Petersburg, Russia
2. Exploitation of the Stress Response for Cancer Immunotherapy
Gough M., Alan Melcher, Emmanouela Linardakis, Atique Ahmed and Richard Vile
Molecular Medicine Program, Mayo Clinic, Rochester Minnesota
3. Production of IL-1 β , nitric oxide, and HSP-72 by blood cells of humans under heating
Andreeva L. I., Boykova A. A., and Petrova V. S.
Medical Military Academy, St. Petersburg, Russia
4. Regulation of Cell Death by Stress Inducers. Relationship with Heat-Shock Protein Expression
Alba Galán, Alfonso Troyano, Carlos Fernández, E. de Blas, Patricio Aller
The Center for Biological Research, CSIC. Velázquez 144. 28006-Madrid, Spain
5. The Main 70 kDa Stress Protein Exported by Glial Cells Protects Neurons against Cytotoxic Factors
Guzhova I. V., Kisliakova K. A., Moskaleva O. S., Bykova T. V., and Margulis B. A.
Institute of Cytology of Russian Academy of Science, Saint-Petersburg, Russia

6. Chaperones and Co-Chaperones in Human Diseases

*Mike Cheetham**Department of Pathology, Institute of Ophthalmology, Bath Street, London EC1V 9EL, U.K.*

7. Multidrug Resistance of Tumor Cells: Role of Sphingomyelin Transduction Pathway in Regulation of MDR1 Gene and Apoptosis

Kitorova O. V., Kakpakova E. S., Vinogradova M. M., Govorun V. M., Ilyina E. N.*, Zabolina T. N., Shtil A. A., Stavrovskaya A. A.**Institute of carcinogenesis, Blokhin Cancer Research Centre; Institute of Physico-Chemical Medicine, Moscow***Posters**1. The Influence of Temperature on the “Programmed Death” of the Yeast *Rhodotorula Rubra*
*Ilyina Yu. V.**Saint-Petersburg State Chemical Pharmaceutical Academy, St. Petersburg, Russia*2. Conditions of cultivation and stability of *E. coli* to stress*Roschina E. K.**Research Institute of Pure Biochemicals, St. Petersburg, Russia*3. The Study of Bacterial Thermoadaptativity under the Influence of Deuterium Exchange of *E. coli* Proteins by Method IR-Spectroscopy*Schlakov A. M., Yakovleva L. Yu., Nikolaev B. P., Sventitsky E. N.**Research Institute of Pure Biochemicals, St. Petersburg, Russia***17:00 Conference Hall****MEETING OF ASSOCIATION AGAINST HIV/AIDS*****May 24, Wednesday*****9:30-12:00****Red Hall****13. BIOTECHNOLOGY****Chair: *L. N. Petrov and L. P. Korobitsyn*****Plenary Session**Lecture

Problems in Manufacturing Recombinant Pharmaceutical Drugs and Controlling their Quality

*Korobitsyn L. P.**Research Institute of Pure Biochemicals, St. Petersburg*

1. Modern technologies of immunomagnetic cell separation

*Chernoglazov V. M.**“BioChemMac”*2. The Role of Succinic Acid in the Preservation of the Viability and Antagonistic Activity of *E. coli* M-17 in Culture*Vakhitov T. Ya., Momot Ye. N., Dobrolezh O. V., Tolparov Yu. N., and Petrov L. N.**State Scientific Center State Research Institute of Pure Biochemicals, Saint-Petersburg*

3. Phagocytosis of Liposomal Rifampicin by Murine Peritoneal Macrophages
Sabetzky V. A., Sorokin Ye. M., Mukhovikov V. V., Zolina N. N., Morozova Yu. A., and Potokin I. L.
State Scientific Center State Research Institute of Pure Biochemicals, Saint-Petersburg
4. An Electron Microscopy Study of the Mechanisms of Antagonistic Activities of Different Probiotic Preparations in Relation to *Shigella flexneri* 2a
Rybalchenko O. V., Verbitzkaya N. B., Dobrolezh O. V., and Petrov L. N.
State Scientific Center State Research Institute of Pure Biochemicals
5. The efficacy of Vitaflor and other bacteriopreparations in prevention of dysbacterioses in patients with generalized forms of Chlamydia infection
Pozniak A. L. and Petrov L. N.
Military Medical Academy and Research Institute of Pure Biochemicals., Saint-Petersburg, Russia
6. Peptidoglycans from Different Types of Lactobacilli: Isolation Methods, Identification, and Biological Activity
Petrov L. N., Vospyakov V. G., Grishnyakov S. B., Kalinina I. M., Verbitzkaya N. B., Shinkarenko L. N., and Mosienko V. S.
Research Institute of Pure Biochemicals, St. Petersburg, Russia; Institute of Experimental Pathology, Oncology, Radiobiology, Kiev, Ukraine

Posters

1. A Modified Preparation of Liposomal beta-Carotene for Treatment of Pulmonary Diseases
Kotova T. V., Sorokin Ye. M., Smirnova L. F., Mikhailova O. G., and Paul R. K.
State Research Institute of Pure Biochemicals, Saint-Petersburg
2. Molecular trap as an approach to reduction of HIV-1/2 load in AIDS patients
Perminova N. G., Timofeyev I. V., Serbin A. V., Kasiyan L. I.*, and Bukrinskaya A. G.***
*Vector Laboratories, Novosibirsk Oblast; *Center for Biomodulator Testing; D.I. Ivanovskiy Research Institute of Virology, Moscow, Russia*
3. In situ study of the mechanisms of antihypoxic effects of Olifen in *E. coli* cells using spin traps and ionometry
Sabetskiy V.A., Sorokin Ye. M., Morozova Yu.A., Kurchenko A.Ye, and Vinokhodov V.O.
Research Institute of Pure Biochemicals, St. Petersburg, Russia
4. A New Efficient Way of Prevention of Infectious Diseases in Birds
Sabetzky V. A., Sorokin Ye. M., Morozova Yu. A., Kurchenko A. Ye., and Vinokhodov V. O.
State Scientific Center State Research Institute of Pure Biochemicals, Saint-Petersburg
5. Approaches to inactivating viruses in human blood plasma and a bench for biomedical investigations
Timofeyev I. V., Varaksin N. A., Perminova N. G., Nechayeva Ye. A., Diadin Yu. A., Zhurko F. V., and Mirinskiy D. S.**
*Vector Laboratories, Novosibirsk Oblast and *Institute of Inorganic Chemistry, RAS SB, Novosibirsk, Russia*
6. Creation and characterization of the collection of *M. tuberculosis* strains isolated from TB patients in Novosibirsk
Tumanov V. Yu., Duntau A. P., Kozhina Ye. M., Fedorova M. V., Lipskiy K. A., Nikitina O. G., Zhylina S. A., Chelysheva L. B., Astapova S. I., Tat'kov S. I., Rassadkin Yu. N., Shestopalov A. M., and Ilyichev A. A.
Novosibirsk Medical Academy; MSMO Ftiziatriya; Vector Laboratories, Koltsovo, Russia
7. Glycopeptides of Lactobacilli as Regulators of Hemopoiesis and Immunity
Vospyakov V. G., Kalinina I. M., Grishnyakov S. B.; Rugal V. I., Kravets V. N., Gonchar V. A.**; Mosienko V. S., Shinkarenko L. N.****
State Research Institute of Pure Biochemicals; **Russian Research Institute of Hematology and Blood Transfusion of RF Ministry of Public Health, St. Petersburg, Russia; * R.E.Kavetsky Institute of Experimental Pathology, Oncology, and Radiobiology of the National Academy of Sciences of Ukraine*

12:00–13:00 Red Hall

14. NEW TECHNOLOGIES

Chair: V. I. Yevtushenko

Plenary Session

1. Protein-Binding Matrixes for Phenol-Free Extraction of DNA and RNA Modifying Enzymes: Applications for High Throughput Sample Processing
Evtushenko V. I.
Research Institute of Roentgenology and Radiology, St. Petersburg, Russia
2. Implementation of Fimers in Advanced DNA Sequencing Technology
Bartley Duane, Polouchine N., Malykh O., Slesarev A., Malykh A., Kozyavkin S.*
**Johns Hopkins University; Fidelity Systems, Inc., USA*
3. Isolation of Genes Activated in Embryoid Bodies Formed by Differentiated Embryonic Stem Cells
Yakubovich E. I., Evtushenko V. I.
Central Research Institute of Roentgenology and Radiology MHMP, St-Petersburg, Russia
4. Reverse Signaling in Fas — Fas-Ligand System
Proussakova O. V., Rabaia N. A., Moshnikova A. B., Beletsky I. P.
Cell Engineering laboratory of Institute of Theoretical and Experimental Biophysics RAS, Puschino, 142290, Moscow region
5. Use of Multiplet Peptides for an Induction of Specific Cellular Immunity
Kazanskii D. B., Silaeva Yu. Yu., Skl'arov L. Yu., Sbitneva I. N., Kopina N. A., Sidorovich I. G.
Russian Oncology Research Center, RAMS; SSC Institute of Immunology, Russian Ministry of Health, Moscow

13:00–14:00 Lunch break

9:30–13:00 Conference Hall

INTERNATIONAL AIDS SOCIETY (IAS) WORKSHOP ON HAART

Co-chairs: S. Wella and V. Golikov

14:00–17:00 Conference Hall**15. PATHOGENESIS AND CLINICAL ASPECTS OF AIDS**Co-chairs: *S. Wella and V. Golikov***Plenary Session**

1. Immune Regulatory Disturbances in Heroine Addicts
Nesterov A. S.
Ulyanovsk
2. Pneumocystosis in HIV-infected patients and its diagnostics
Lokteva, I. M., Soli A. V., Vovk A. D., Antoniak S. N., Lezin A. V., and Danko O. P.
L. V. Gromashevskiy Research Institute of Epidemiology and Infectious Diseases, Kiev, Ukraine
3. Approaches to treating HIV-infection in drug users
Belozeroev Ye. S., Karavekov A. Zh., and Zmushko Ye. I.
Military Medical Academy, St. Petersburg
4. HIV Replication Inhibitors among Officinal Drugs
Rytik P. G., Kucherov I. I., Podolskaya I. A., Korzhev M. O., Mukhin A. N.
Byelorussian Research Institute of Epidemiology and Microbiology
5. Results of the clinical trial of Zalcitabine in HIV-infected patients
Davidovich G. M., Karpov I. A., Yerebin V. F., Rossa V. F., Zaitseva G. V., and Kostikova L. T.
State Medical Institute, Research Institute of epidemiology and Microbiology, Research Institute of Bio-Organic Chemistry, and Republican Center for AIDS control, Minsk, Belarus
6. A New Preparation Based on Human Recombinant G-CSF for Treatment of Neutropenia
*Pustoshilova N. M., Masycheva V. I., Lebedev L. R., Sinichkina S. A., Kanshina A. V., Krivopalova G. N., Litovchenko L. L., Fadina V. A., Danilenko E. D., Sandakhchiev L. S., *Zhdanov V. V., *Dygai A. M., *Goldberg E. D.*
SRC VB «Vector», Novosibirsk Region, Koltsovo, Pharmacology Research Institute, Russian Academy of Medical Sciences, Tomsk
7. Specific features of viral hepatitis in patients with hemophilia
Garanzha T. A., Tupoleva T. A., Somova A. V., Yaroslavtseva N. G., Guliayeva A. A., Golosova T. V., and Filatov F. P.
Hematological Scientific Center of RAMS, Moscow, Russia

Posters

1. Immunohematological characterization of the potency of *Uncaria tomentosa* (Willd.) DC in HIV-infected patients
Basyka D.A.⁽¹⁾, Klimenko B.I.⁽¹⁾, Romanenko A.Ye.⁽¹⁾, Tsuprokov V.A.⁽²⁾, Grazhdanov N.P.⁽³⁾, Azarskova M.V.⁽¹⁾, Belyayeva N.V.⁽¹⁾, Goliarnik N.A.⁽¹⁾, Ilienko I.V.⁽¹⁾, Chumak A.A.⁽¹⁾, and Kozachuk L.I.⁽¹⁾
⁽¹⁾ NCRM AMN, ⁽²⁾ OMNI-UKRAINA, ⁽³⁾ Donetsk Regional Center of Immunology and AIDS Control, Ukraine
2. A Homeopathic Therapy for HIV Infection at Its Early Stages
Baturina L. A. and Sizova N. V.
City Centre of AIDS Prevention and Treatment, Saint-Petersburg; Military Medical Academy, Saint-Petersburg
3. Lymphoid Interstitial Pneumonitis in Parenterally HIV-Infected Children
Burdaeva T. Yu., Sandjjeva D. B., and Vasiljeva G. G.
Center for AIDS Prevention and Control, Elista, Kalmyk Republic, Russia
4. The Combination of Brain Lymphoma and Mycotic Encephalitis in an HIV-Infected Patient
Fomin Yu. A., Raize F. E., Uliukin I. M., Burova N. V., and Voronin E. E.
Republican Clinical Infectious Hospital of RF Ministry of Public Health, Ust'-Izhora, Saint-Petersburg, Russia

5. Combined Brain Lesions in HIV-Infected Patients
Fomin Yu. A., Uliukin I. M., Terekhin Yu. N., Voronin E. E., and Fomina M. Yu.
Republican Clinical Infectious Hospital of RF Ministry of Public Health, Ust'-Izhora, Saint-Petersburg, Russia
6. Alexia and Mental Health in HIV-Infected Individuals
Kostin D. V. and Uliukin I. M.
Republican Clinical Infectious Hospital of RF Ministry of Public Health, Ust'-Izhora, Saint-Petersburg, Russia
7. Immunological monitoring of HIV-infected patients in the penitentiary system
Mingazova I. F., Kuznetsov N. P., Starikova S. Yu., Loseva V. A., Tiukhtina Z. P., Galster I. K., and Kozachenko N. V.
Regional Center for AIDS Control and Medical Academy, Karaganga, Kazakhstan
8. Clinical characterization of AIDS in HIV-infected patients of Donetsk Oblast
Prilutskiy A.S.I, Selivertova V.G., Koshkareva I.N., Kalimbet N.V., Grazhdanov N.P.2, and Prilutskaya O.A.1
¹Medical University and ²Regional Center for AIDS Control, Donetsk, Ukraine
9. Soluble CD50 in blood sera of HIV-infected patients with hepatitis B or C.
Ptitsyna Yu. S., Matveyeva Ye. M., Martynova T.G., Viaz'mina Ye. S., Kopnina Ye. O., Baryshnikov A.Yu., and Novikov V.V.
I.N. Blokhina Research Institute of Epidemiology and Microbiology, Nishniy Novgorod; Oncological Center, RAMS, Moscow
10. Prevalence of Concomitant Infections in HIV-Infected Persons
Ruban S. V. and Bailukh F. N.
Murmansk University of Health and Murmansk Center of AIDS Prevention and Treatment, Murmansk, Russia
11. Keeping Records about HIV-Infected Patients
Shcherbina S. V., Uliukin I. M., Voronin E. E., Fomin Yu. A., and Terentieva Zh. B.
Republican Clinical Infectious Hospital of RF Ministry of Public Health, Ust'-Izhora, Saint-Petersburg, Russia
12. Some aspects of infectious conditions in recurrently sick children in Russia
Timchenko V.N., Pozniak A.L., Babachenko I.V., and Yakovlev A.O.
Pediatric Academy and Military Medical Academy, St. Petersburg, Russia
13. Relationships of Emotional Disorders and Scores of Mental Health in HIV Infection
Uliukin I. M.
Republican Clinical Infectious Hospital of RF Ministry of Public Health, Ust'-Izhora, St. Petersburg, Russia
14. Chronic Viral Hepatitis in HIV-Infected Injection Drug Users
Vlasova E. V., Fedotova G. A., Zemerov V. B., Telminov A. V.
Regional Center on AIDS and Infectious Disease Prevention and Control, Yekaterinburg
15. Determination of soluble CD50 (ICAM3) in blood sera of patients with HIV and syphilis
Viaz'mina Ye. S., Matveyeva Ye. M., Kopnina Ye. O., Ptitsyna Yu. S., Frigo N.V., Komarova V. D., Baryshnikov A.Yu., and Novikov V.B.
N. I. Lobachevskiy University and Research Institute of Experimental Medicine, Nizhniy Novgorod, Russia; Oncological Center, Moscow, Russia
16. Immune mechanisms of impairments in HIV elimination in drug addicts
Zmushko Ye. I., Belozrov Ye. S., and Karabekov A. Zh.
St. Petersburg, Russia; Almaty, Kazakhstan
17. Clinico-immunological characterization of chlamydiosis in mixed infectious conditions of the urogenital system
Apkhipov G. S., Mogilivets T. L., Pugovkin A. I., and Shigina Yu. V.
Velikiy Novgorod
18. Specific features of immune impairments: are they causes or consequences of associations of viral hepatitis C and opportunistic infections?
Kusnetsova A. V. And Zherdeva A. I.
Center for Control of AIDS and Infectious Diseases, Khabarovsk, Russia

14:00–17:00 Red Hall**16. MOLECULAR DESIGN, DIRECTED SYNTHESIS AND MANUFACTURING OF SUBSTANCES AND DRUGS AGAINST HIV/AIDS**

Co-chairs: V. A. Ostrovsky and A. G. Pokrovsky

Plenary Session

1. Design of new drugs with anti-HIV activity (new targets and new inhibitors)
Yurkevich A. M.
M. V. Lomonosov State Academy of Fine Chemical Technologies, Moscow, Russia
2. Estimation of prognostic value of inductive logical programming for NNRTI studies
Yurkevich A. M., Burliyeva, Ye. V., and Tarkhov A. Ye.
M. V. Lomonosov State Academy of Fine Chemical Technologies, Moscow, Russia
3. A complex interval model for qualitative prediction of activity of complex organic compounds
Biglov R. R., Burliyev V. V., and Burliyeva Ye. V.
M. V. Lomonosov State Academy of Fine Chemical Technologies, Moscow, Russia
4. In vitro inhibition of HIV-1 reverse transcriptase by phenol derivatives
Ilyina, T. V., Pokrovskiy A. G., Shultz, E. E. #, Tolstikov G. A. #, Andreyeva, A. O. and Kochetkov S. N.**
Vector Laboratories, Koltsovo, Novosibirsk Oblast; # Research Institute of Organic Chemistry, RAS SB, Novosibirsk; Engelgardt Institute of Molecular Biology, Moscow, Russia
5. DNA complexons: a reserve of antitumor and antiviral drugs
Krivtsova M. A.¹ and Glibin Ye. N.²
¹ Military Medical Academy and ² Technological Institute, St. Petersburg, Russia
6. Present-day medicinal drugs for HIV therapy
Yesikov K. A., Zubarev V. Yu., Malin A. A., and Ostrovskiy V. A.
Technological Institute, St. Petersburg, Russia
7. Issues of development of technology and production facilities for manufacture of synthetic drugs against HIV
Malin A. A. and Ostrovskiy V. A.
Technological Institute, St. Petersburg, Russia

Posters

1. Synthesis of 2'-deoxyxylolthymidine
Rumiantseva S.A., Papchikhin A.V., and Gitsina Ya. Ye.
NTC Lekbiotekh, Moscow, Russia
2. Mix solvents in synthesis of 3'-azydo-2',3'-dideoxythymidine
Trukhanovich M.Z., Korchevskaya, Ye. V., Malin A.A., and Ostrovskiy V.A.
Technological Institute, St. Petersburg, Russia
3. Polyanionic tetrazole-containing compounds as potential inhibitors of HIV adhesion
Yesikov K.A., Putis S.M., Zubarev V.Yu., and Ostrovskiy V.A.
Technological Institute, St. Petersburg, Russia
4. Synthesis of polycyclic pyrimidines
Kushakova P. M., Ramsh S. M., and Gabardzhiu A. V.
Technological Institute, St. Petersburg, Russia
5. Synthesis of Biologically Active Adamantylazoles
Golod E. L., Gavrilov A. S., Saraev V. V.
St. Petersburg Institute of Technology

6. Synthesis, biological activity and transport properties of N-adamantylindiazoles
Petelskiy M. B., and Tsy-pin V. G.
Technological Institute, St. Petersburg, Russia
7. Studies of keto-enolic tautomerism of 1,2,4-triazinones in media with different acidity
Khabibulina I. V., Volovodenko A. P., Trifonov R. Ye., and Ostrovskiy V. A.
Technological Institute, St. Petersburg, Russia
8. Pharmacokinetics of glycyrrhizic acid and its derivatives
Ilyicheva T. N., Ol'kin S. Ye., Fediuk N. V., Abdullayev S. M., Shults E. E.*, Tolstikov G. A*, and Pokrovskiy A. G.
*Vector Laboratories, Koltsovo, Novosibirsk Oblast and *Research Institute of Organic Chemistry, RAS SB, Novosibirsk, Russia*
9. *In vitro* anti-HIV activity of cyclopheron
Kornilayeva G. V*, Pavlova T. V*, Yershov F. I+, and Karamov E. V.*
D.I. Ivanovskiy Institute of Virology and N.F. Gamaleya Institute of Epidemiology and Microbiology, Moscow, Russia
10. Hyperbaric Oxygenation Suppresses HIV-1 Replication
Karamov E. V.,* Pakhomov V. I.,* Kornilayeva G. V., and Turgiev A. S.***
** Moscow University Institute for Applied Science; **Ivanovsky Institute of Virology of the Russian Academy of Medical Sciences, Moscow, Russia*
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