

**Brief Program of the 11th International Conference
"AIDS, Cancer and Related Problems"
St. Petersburg, Russia (October 6- 10, 2003)**

Conference venue: University Center (6, Birzhevaja Liniya, Vasilievsky Ostrov, St. Petersburg)

06.10 Monday	10:00-15:00	Registration	
	15:00 – 18:00	Big Hall Opening Ceremony Presentation of Awards for Leadership in the Field of HIV/AIDS	
	18.00	Reception	
07.10 Tuesday		Big Hall	
	10:00-13:00	Session 1. Problems of Public Health	
	14:00-14:40	Lecture	
	14:45-17:00	Session 2. Politics and Policies in HIV/AIDS and Related Areas	
	17:30–19:30	Session 3. Joint Poster Session	
08.10 Wednesday		Big Hall	Small Hall
	8:30-12:30	Session 4. HIV/AIDS in Armed Forces	Session 5. Molecular Virology and HIV Vaccine
	13:00-18:00	Session 6. Epidemiology, Laboratory Diagnostics, and Clinical Aspects of HIV Infection and Related Diseases	Session 7. Viral and Cellular Human Oncogenes and Molecular Mechanisms of Tumor Growth
09.10 Thursday	9.00-13.00	Session 8. Yale University Session: Integrating Prevention for Drug Users: Yale Reports on HIV, Hepatitis and Drug Use Prevention Ethical Issues in Working with Drug Users: Yale Experiences	Session 9. Theoretical and Experimental Biology
	14.00-18.00	Session 10. Drug Abuse and HIV/AIDS	Session 11. Molecular and Cellular Aspects of Stress Biology
10.10 Friday	9.00-14.00	Session 12. Prevention of HIV/AIDS	Session 13. Problems of Transmission of HIV and Other Viruses by Blood Transfusion
	14:00-17:00	Session 14. Epidemiology and Prevention of Tuberculosis	Session 15. Social Work and Prevention of Risk Behavior in Youth

Monday, 06 October

- 10:00 a.m. – 3.00 p.m.** Registration
3:00 p.m. – 6:00 p.m. Big Hall
 Opening Ceremony
6:00 p.m. Reception

Tuesday, 07 October

10:00 a.m. – 1:00 p.m. Big Hall

SESSION 1. PROBLEMS OF PUBLIC HEALTH

Chairpersons: I. Murin and I. Gorlinsky

1. ***HIV/AIDS and public health***
Kozlov A.P.
Biomedical Center and St. Petersburg University, St. Petersburg, Russia
2. ***Sociological changes and public health***
Skvortsov N.G.
Sociological Faculty, St. Petersburg University, St. Petersburg, Russia
3. ***Psychological issues of public health and the background of implementation of the program “Master in Public Health” within the framework of the psychological school of a state university***
Tsvetkova L.A. and Gurvich I.N.
Psychological Faculty, St. Petersburg University, St. Petersburg, Russia
4. ***Public health management: government or free market?***
Fedotov Yu. V. and Skliar G.M.
Faculty of Management, St. Petersburg University, St. Petersburg, Russia
5. ***Medical aspects of public health***
Petrov S.V.
Medical Faculty, St. Petersburg University, St. Petersburg, Russia
6. ***Launching of the Master Program of St. Petersburg University “Master in Public Health”***
Gorlinsky I.A.
Biological Faculty, St. Petersburg University, St. Petersburg, Russia

POSTER SESSION

1. ***Problems of prevention of HIV-associated infections in women penitentiary colonies as exemplified by Penitentiary Colony No 6 of the Penitentiary Administration of Orlovskaya Oblast***
Levina O.S., Yakovleva A.A., and Kolpakova O.I.
Sociological Institute, Russian Academy of Sciences and Saint-Petersburg Public Organization of Social Project “Stellit”, St. Petersburg, Russia
2. ***Social factors in HIV/AIDS epidemiology in the Northwest Region of Russia***
Pyshkina T.B.
Sociological Institute, OO Stellit, St. Petersburg, Russia
3. ***Women involved in prostitution as a target of preventive interventions***
Rusakova M.M., Yakovleva A.A., and Gareeva L.V.
Sociological Institute, OO Stellit, St. Petersburg, Russia
4. ***Risky behavior of military operations participants***
Rusakova M.M., Gurvich I.N., and Antonova N.A.
Sociological Institute, OO Stellit, St. Petersburg, Russia
5. ***Alcoholization and public health of Russian population in the beginning of the VXXI century***
Goriacheva N., and Totubalina V. Yu.
Sociological Institute, OO Stellit, St. Petersburg, Russia
6. ***Mathematical modeling of the social outcomes of the alcoholization of population***
Fedorova D.A.
Sociological Institute, OO Stellit, St. Petersburg, Russia

2:00 p.m. – 2:40 p.m.

LECTURE

Chairman: A. A. Vorob'jev

Infectious diseases: problems of interspecific struggle and liquidation

V. P. Sergiev, E. I. Martsinovskiy institute of parasitology and tropical medicine, Moscow

2:45 p.m. – 5:00 p.m.

SESSION 2. POLITICS AND POLICIES IN HIV/AIDS AND RELATED AREAS

Chairman: R. Hoff and A.P.Kozlov

1. ***Face of new diseases and the role of vaccines***
Lowell Harmison
(Winner of the Annual Award for Leadership in the HIV/AIDS Area, 2002)
2. ***The role domestic biotechnology as the basis for scientific and practical approaches to medico-social problems***
Vasilov R.G., Vorob'jev A.A., and Matveyev V.I.
I. M. Sechenov Medical Academy, Moscow
3. ***Science, medicine and the patient: a global perspective***
Robert Windom
(US Assistant Secretary for Health, 1986-89)
4. ***GRASSROOTS SOLUTIONS TO INTRACTABLE PROBLEMS: PUBLIC HEALTH, DEMOCRACY AND INTERNATIONAL SECURITY***
Carl Reddel
Eisenhauer Memorial Foundation
5. ***Policy leadership and international partnership in the fight against AIDS***
Stephen Massey
Transatlantic Partnership
6. ***New CRDF opportunities for collaborative research in HIV/AIDS and related problems***
David Lindeman
Civilian Research and Development Foundation
7. ***Rotary's global health activities***
Grant Wilkins
Rotary International

POSTERS:

Regional politics and the international political cooperation in the struggle against global epidemics: then example of HIV/AIDS
Gorlinsky A.I.
Saint-Petersburg State University

Wednesday, 08 October

8:30 a.m. – 0:30 p.m. Big Hall

SESSION 4. HIV/AIDS IN ARMED FORCES

Co-chairs: Yu.I. Bulan'kov and G.Schnepf

1. ***Manifestations of HIV epidemic in RF armed forces***
Zigalenko D.G., Bolekhan V.N, and Bulan'kov Yu.I.
Military Medical Academy, Saint-Petersburg
2. ***US Department of defense policy on HIV and on the clinical management of HIV-positive active duty US military personnel***
Schnepf G
NAVY Central HIV Service, USA
3. ***Clinical manifestations of HIV infection in young patients***
Bolekhan V.N, Zigalenko D.G., and Bulan'kov Yu.I.
Military Medical Academy, Saint-Petersburg
4. ***HIV-associated diseases in young HIV patients***
Bulan'kov Yu.I., Zigalenko D.G., and Bolekhan V.N.
Military Medical Academy, Saint-Petersburg
5. ***In vitro immunodiagnosics of allergic responses in HIV patients***
Mitin Yu. A., Belozerov Ye. S., and Voblikova Ye. Yu.
Military Medical Academy, Saint-Petersburg
6. ***HIV prevention in military personnel participated in foreign military operations***
Savushkin V.K. and Nekrasova T.S.
Sverdlovsk Region Clinical Psychoneurological Hospital for Military Veterans, Yekaterinburg, Russia
7. ***Infectious safety of blood donors as a prerequisite of safety of transfusion with blood components***
Chechetkin A.V., Popova N.N., Bulan'kov YU.I., Bel'gesov N.V., and Baratashvili G.G.

1:00 p.m. – 6:00 p.m. Small Hall

SESSION 5. MOLECULAR VIROLOGY AND HIV VACCINE

Co-chairs: A.P. Kozlov and A.A.Vorobyev

- 1. The transmembrane envelope glycoprotein gp41: a multifunctional protein involved in HIV entry and with a possible direct role in pathogenesis***
J. Denner
Robert Koch Institute, Berlin, Germany
- 2. Comparative analysis of acute pathogenic and less pathogenic molecular clones of SHIV***
I.L. Kozyrev¹, T. Miura¹, K. Sakai², E. Takahashi², K. Shinohara², H. Suzuki¹, P. Boltovets¹, K. Ibuki¹ and M. Hayami¹
¹ Laboratory of Viral Pathogenesis, Institute for Virus Research, Kyoto University, Kyoto, ²Division of Biosafety Control and Research, National Institute of Infectious Diseases, Tokyo, Japan
- 3. Cloning of HIV-1 preinitiation complexes into E. coli R-12***
Sivov I.G., Galaktionova T. S., Aleshkin G.I., Miller G.G., and Itkes A.V.
Bioeffect Laboratories, N. F. Gamaleia Institute of microbiology and Epidemiology, and People Friendship University, Moscow, Russia
- 4. Development of anti-HIV live attenuated vaccine using gene-modified SHIV having HIV-1env.***
M. Hayami, T. Miura, K. Ibuki, and I. L. Kozyrev
Laboratory of Viral Pathogenesis, Institute for Virus Research, Kyoto University, Kyoto, Japan
- 5. Biomolecular and phylogenetic characterization of Italian and Ugandan HIV-1 variants for development of VLP-based anti-HIV-1 vaccine***
F. Buonaguro
Istituto Nazionale Tumori, Napoli, Italy
- 6. Development of a vaccine against subtype A HIV-1***
Klimov N.A., Murashev B.V., Masharskiy A.E., Murasheva I.V., Pavlova M.S., Dukhovlinova Ye.N., Romanovich A.E., Dukhovlinov I.V., Galachjants Yu.P., Dorofeyeva Ye.S., Smirnova I.V., Kobatov A.I., Nikonov B.A., Kolbasov S.E., Boychenko M.N., Vorob'yev A.A., and Kozlov A.P.
Biomedical Center, Research Institute of Pure Biochemicals and Research Institute of Toxicology, St. Petersburg; Sechenov Medical Academy, Moscow
- 7. Mechanism of DNA/Tat complex transfer into mammalian cells***
Ignatovich I. A.¹, E. B. Dizhe², A. V. Pavlotskaya³, B. N. Akifiev², S. V. Burov³, S. V. Orlov^{2,4}, and A. P. Perevozchikov^{2,4}
¹Department of Cell Biology, St. Petersburg University, ²Department of Biochemistry, Institute of Experimental Medicine, Russian Academy of Medical Sciences; ³Laboratory of Peptide Synthesis, Institute of Macromolecular Compounds, Russian Academy of Sciences; ⁴Department of Embryology, St. Petersburg University, St. Petersburg, Russia.
- 8. Development of a candidate live polyvalent vaccine against HIV, hepatitis viruses, and orthopoxviruses***
Schelkunov S. N., Nesterov A.Ye., Riazankin I. A., Ignatiyev G. M., and Sandakhchiyev L. S.
Vector Laboratories, Koltsovo, Novosibirsk Oblast, Russia

POSTERS:

- 1. Preclinical trials of novel HIV vaccines***
Klimov N.A., Dukhovlinova Ye.N., Murasheva I.V., Smirnova I.V., Kobatov A.I., Nikonov B.A., Kolbasov S.E., Boychenko M.N., Vorob'yev A.A., and Kozlov A.P.
Biomedical Center, Research Institute of Pure Biochemicals and Research Institute of Toxicology, St. Petersburg; Sechenov Medical Academy, Moscow
- 2. The genetic subtypes of HIV-1 circulating in FSU countries and their phylogenetic relationships with HIV-1 strains from other regions of the world***
Masharskiy A.E., Yerebin V.F., Klimov N.A., and Kozlov A.P.
Biomedical Center and, Research Institute of Pure Biochemicals, St. Petersburg, Russia; Belorussian Research Institute of Epidemiology and Microbiology, Minsk, Belorussia
- 3. Design, development, purification and the immunological properties of DNA vaccines against HIV based on PBMC vector***
Murashev B.V., Masharskiy A.E., Murasheva I.V., Pavlova M.S., Dukhovlinova Ye.N., Romanovich A.E., Dukhovlinov I.V., Galachjants Yu.P., Dorofeyeva Ye.S., Klimov N.A., and Kozlov A.P.
Biomedical Center and, Research Institute of Pure Biochemicals, St. Petersburg
- 4. Design and development of candidate DNA vaccines based on subtype A HIV-1 gag gene***
Dukhovlinov I.V., Vorojtcova E.,V., Murashev B.V., Masharskiy A.E., Klimov N.A., Kozlov A.P..
Biomedical center and Research Institute of Pure Biochemicals, St. Petersburg, Russia

5. ***The activity of antibodies to dsDNA in the serum of HIV-infected patients during the development of the humoral immune response***
Rjazanova G.A., Khamzina R.V., Vinter V.G., Khabibullina G.I., Romanenko O.M.
Republic center of AIDS and Infectious Diseases, Kazan, the Republic of Tatarstan
6. ***Production of monoclonal antibodies to HIV-1 p24 using different antigen forms***
Poryvaeva V.A., Aborneva I.I., Vtorushina I.A., Pyrinova G.B., Popovsky A.V., Smerdova M.A., Raspopin V.V., Reshetnikov S.S., Grishaev M.P.
JSC "Vector-Best", Koltsovo, Novosibirsk Region
7. ***Studies of the effect of antigen structure and delivery system on the expression and polarization of the immune response***
Maksiutova A.V., Bulychev L.Ye., Lebedev L.P., Poryvayev V.D., and Ryzhikov A.B.
JSC "Vector-Best", Koltsovo, Novosibirsk Region
8. ***Protein antigenic determinant prediction***
Maksiutov Z.A. and Maksutov A.Z.
JSC "Vector-Best", Koltsovo, Novosibirsk Region
9. ***Studies of suppository form of hepatitis B vaccine based on attenuated Salmonella***
Vorobyev A.A., Boichenko M.U., Donin M.V., Il'ichev A.A., Karpenko L.I.

1:00 p.m. – 6:00 p.m. Big Hall

SESSION 6. EPIDEMIOLOGY, LABORATORY DIAGNOSTICS, AND CLINICAL ASPECTS OF HIV INFECTION AND RELATED DISEASES

6.1. Epidemiology

Co-chairs: I. F. Hoffman and G.V. Volkova

1. ***Frequent detection of acute primary HIV infection (AHI) in men in Malawi: reconsideration of counseling and testing approaches***
Hoffman I. F.¹, Pilcher C. D.¹, Price M.A.², Martinson F. E. A.^{1,3}, Kazembe P. N.³, Eron J. J. Jr.¹, Miller W. C.^{1,2}, Fiscus S.A.¹ and M. S. Cohen^{1,2}
Departments of ¹Medicine and ²Epidemiology, University of North Carolina, Chapel Hill, NC, USA; ³Lilongwe Central Hospital, Lilongwe, Malawi
2. ***HIV infection among drug users: incidence rate reduction***
Verevochkin S.V., Gagarina S. YU., Shaboltas A.V., and Kozlov A.P.
Biomedical Center and Research Institute of Pure Biochemicals, St. Petersburg, Russia
3. ***On HIV/AIDS situation in RF***
Dement'yeva L.
RF Ministry of Health Moscow, Russia
4. ***The experience of Moscow public health system in combating HIV/AIDS epidemic***
Mazus A.I.
5. ***Epidemiological features of HIV/AIDS epidemic in St. Petersburg and measures taken to control the epidemic***
Volkova G.V.
State Sanitary and Epidemiological Surveillance of St. Petersburg
6. ***The dynamics of HIV/AIDS epidemic development in the Republic of Belarus***
Meleshko L.A.¹, Gasich Ye.L.², Zhdanovskaya O.M.¹, and Yerebin V.F.¹
¹Research Institute of Epidemiology and Microbiology and ²Dept. of AIDS Control, Minsk, Belorussia

6.2. Clinical Aspects

Co-chairs: N. A. Mukhin, M.N. Papuashvili and N. Khaldeeva

1. ***Analysis of modern approaches to diagnostics, prevention, and treatment of viral hepatitis***
Mukhin N. A. and Pak S.G.
I. M. Mechnikov Medical Academy, Moscow
2. ***Use of immunotherapy algorithms in HIV patients with HIV-associated infections***
Milochkina Yu. N. and Papuashvili M.N.
Institute of Immunology, Moscow
3. ***Problems of prevention of mother-to-child transmission (MTCT) of HIV in St. Petersburg***
Khaldeeva N., Samarskaya M., Volkova G., Vinogradova E., Rakhmanova A., Yakovlev A., Voronin E.
Biomedical Center, Health Committee, Center of Sanitary and Epidemiological Control, City AIDS Center, Botkin Hospital, Pediatric AIDS Center, St. Petersburg, Russia.
4. ***Evolution of probiotics use in treatment of infectious and oncological diseases***
Dobritsa V.P., Petrov L.V., and Gershanovich M.L.
Research Institute of Pure Biochemicals and N.N. Petrov Cancer Institute, Saint-Petersburg

6.3. Laboratory Diagnostics

Chairman: Verevochkin S.V.

1. ***Quality control and quality assessment of laboratory test results in an international research project conducted in St. Petersburg, Russia***
N.Abdala, S.Verevochkin
Yale University, Biomedical Center
2. ***Introduction of international quality standards into manufacturing of test systems “HIV1, HIV2- IFA-Avicenna” and “HVC-IFA-Avicenna”***
Asadi Mobarhan A.K., Lisok T.P., Kuznetsova Ye. V., Maslennikova I.I., Markevich N.A., Korkunova A.A., Mohammadi M., Gamayunova V.B., and Frolova V.V.
Medical Center Avicenna, Moscow
3. ***A new enzyme immunoassay for detection of p24 antigen of HIV-1***
Sharipova I., Ulanova T., Blinova T., Zalesskih H. and Obriadina A
RPC Diagnostic Systems, Nizhniy Novgorod, Russia
4. ***Fiber-optic spectrometers Avantes BV for analytic research and laboratory diagnostic***
Lozovsky V.T.
OOO Lokamed
5. ***Improvement of the effectiveness of quality control of enzyme immunoassay analyzers for AIDS control agencies***
Alipov A.N., Kostrova O.B., Landau I.B., Muravnik L.M., Saf'yannikov I.N., and Saf'yannikov N.M.
Technical Facilities of Saint-Petersburg Electrotechnical University, Saint-Petersburg

POSTERS:

1. ***The expansion of human immunodeficiency virus in a low HIV risk population***
Trubcheninova L., Trephileva N., Baranova I., Gorbunova Z., Ischenko M, Kornilova N., and N. Iljina
Institute of Immunology and FD “Medbioextrem”, Moscow, Russia
2. ***Sentinel epidemiological surveillance for HIV and STD in Belarus***
Zhdanovskaya O.M. and Rytik P.G.
AIDS Control Center and Research Institute of Epidemiology and Microbiology, Minsk, Belarus
3. ***Detection of hepatitis C virus RNA in liver biopsies of hepatitis C patients with in situ RT-PCR.***
Severova A.A.*, Zavalishina L.E.***, Manykin A.A.*, Lisitcin F.V.*, and Kutcherova T.E.*
*D. I. Ivanovsky Institute of Virology, RAMS, and ** P.A.Herzen Institute of Oncology, Moscow
4. ***STD prevalence among intravenous drug users***
Krasnoselskikh T.V.
Biomedical Center, Saint-Petersburg
5. ***Epidemiological surveillance for parenteral viral hepatitis in Kuibyshev Railway medical care institution***
Shunatova V.A., Ardatova L.V., Shirokova E.A., and Kochkarev A.V.
Kuibyshev Railway Center of State Sanitary and Epidemiological Surveillance and Railway Clinical Hospital of Samara
6. ***Viral hepatitis B and C incidence among Samara Railway Academy students***
Shunatova V.A., Ardatova L.V., Shirokova E.A., and Kochkarev A.V.
Kuibyshev Railway Center of State Sanitary and Epidemiological Surveillance and Railway Clinical Hospital of Samara
7. ***Estimation of the cryptic population of HIV-positive subjects in Chapajevsk, Samara Region, 2002***
Tsarev S, Sergeev O, Koshkina E, and Zeilert V.
Chapaevsk Medical Association and Central Hospital, Chapaevsk, and Moscow Narcological Institute, Moscow
8. ***Indeterminant immunoblot for HIV: prospective and diagnostic implications***
Zherdeva A.I., Gorovenko N.A., Kuznetsova A.V., Alipichenko O.B., and Ushakova V.B.
AIDS and Infectious Diseases Control Center, Khabarovsk, Russia
9. ***Approaches to investigations of occupational contacts prone with a high HIV risk***
Zherdeva A.I., Butakova A.Ye., Kuznetsova A.V., Starukhina I.N., and Mazurenko A.A.
AIDS and Infectious Diseases Control Center, Khabarovsk, Russia
10. ***HIV infection in the fist half-year of 2003 in the city of Riazan and in Riazan Oblast***
Dimashev A.S., Smirnov N.L., and Fomichkin, A.N.
Riazan, Russia
11. ***Assessment of the effectiveness of immunotherapy and its effect on B-cell immunity***
Papuashvili M.N. and Milochkina Yu. N.
Institute of Immunology, Moscow, Russia
12. ***Immunotherapy for HIV-associated viral hepatitis***
Papuashvili M.N. and Milochkina Yu. N.
Institute of Immunology, Moscow, Russia

13. ***HIV and syphilis***
Koltsova V.A., L'vova N.V., Dimashev A.S., and Fomichkin A.N.
AIDS Center, Riazan, Russia
14. ***Detection incidence and immunological characteristics of single and mixed urogenital infections***
Gonchar V.A., Khan I.N., Kucherskiy V.M., and Chebotkevich V.N.
Institute of Hematology and Blood Transfusion, Saint-Petersburg; OAO Mositalmed, Moscow

1:00 p.m. – 6:00 p.m. Small Hall

SESSION 7. VIRAL AND CELLULAR HUMAN ONCOGENES: MOLECULAR MECHANISMS OF TUMOR GROWTH

Co-chairs: V.E.Gurtsevitch and A.V. Itkes

1. ***Apoptotic markers in differentiation of human haematopoietic cells***
Zabotina T.N.
Moscow
2. ***Human endogenous retrovirus-K (HERV-K): biological characterization***
Denner J.
Germany
3. ***Oncogenic human viruses: molecular aspects of viral carcinogenesis***
Gurtsevitch V.E.
Moscow
4. ***Modern principles of immunologic diagnostics of lymphomas***
Tupitsin N.N.
Moscow
5. ***Mechanisms of lymphangiogenesis in human tumors***
Karamysheva A.F.
Moscow
6. ***Principles and tactics of cancer biotherapy***
Baryshnikov A.Yu.
Moscow
7. ***Molecular diagnostics of tumor growth***
Tatosian A.G.
Moscow
8. ***Integration of simian retroviruses in human genome***
Itkes A.V.
Moscow

POSTERS:

1. ***Detection of elements of human papilloma virus-16 genome in tumor and peripheral blood cells of bladder cancer patients***
Zavalishina L.E., Miandina G.I., Piagay P.E., Itkes A.V., and Frank G.A.
Pathological Anatomy Dept., P.A. Gertsen Cancer Institute, Moscow; Dept. of Biology and General Genetics, People Friendship University, Moscow
2. ***Detection of MMTV env-homologous sequences in familial breast cancer patients***
Lushnikova A.A., Lubchenko L.N., Kryukova I.N., Malivanova T.F., and Parokonnaya A.A..
N. N. Blokhin Cancer Research Center RAMS, Moscow
3. ***Assessment of the effectiveness of purification of peripheral stem cells from contaminating tumor cells in breast cancer patients***
Prilutskaya M.I.¹ and Moss T.J.²
¹N. N. Blokhin Cancer Research Center, Moscow, Russia; ²MPATH/BIS Laboratories, CIIA
4. ***The use of different serological methods to study the immune response to the proteins of HERV-K/HTDV virus in patients with germinogenic tumors***
Seniuta N.B., Triakin A.S., Kleiman A.M., Shelepova V.M., and Gurtsevich V.E.
N.N. Blokhin Cancer Research Center, Moscow, Russia
5. ***Microbial population of intestine mucosa with tumors and other pathologies.***
Bogdanova E.A., Korneev M.L., Nesvizhsky Y.V., Vorobyev A.A.
I.M.Sechenov Medical Academy, Moscow, Russia

Thursday, 09 October

9:00 a.m. – 13:00 p.m. Big Hall

SESSION 8. YALE UNIVERSITY SESSION:**Chairman: Heimer R.****Integrating Prevention for Drug Users: Yale Reports on HIV, Hepatitis and Drug Use Prevention**

1. ***HIV and Hepatitis co-infections among injection drug users: natural history and disease management***
Krystin Wagner
2. ***Is HIV prevention sufficient to prevent hepatitis infections among drug users?***
Robert Heimer
3. ***The role of sexually transmitted diseases and their treatment on HIV transmission***
Linda Niccolai
4. ***Opioid agonist treatment for opioid dependent patients: The role of maintenance treatment with methadone and buprenorphine in HIV prevention.***
David Fiellin

Ethical Issues in Working with Drug Users: Yale Experiences

1. ***Ethical dilemmas in working with drug injectors***
Kaveh Khoshnood
2. ***Addiction is the exception: A failure of evidence-based medicine***
Robert Heimer
3. ***Should we treat active hepatitis C virus infections?***
Krystin Wagner

9:00 a.m. – 1:00 p.m. Small Hall**SESSION 9. THEORETICAL AND EXPERIMENTAL BIOLOGY****Co-chairs: V.I. Yevtushenko and A.V. Baranova**

1. ***Gene competition and a possible evolutionary role of tumors***
Kozlov A.P.
Biomedical Center
2. ***Cancer-specific transcripts as a potential tumor markers for diagnostics and monitoring of human malignancies***
Baranova A.V.¹, Tyazhelova T.V., Lobashev D.V.¹, Ivanov D.V.¹, Kroukovskaya L.L.², Yankovsky N.K.,¹ Kozlov A.P.².
¹Genome Analysis Lab, Vavilov Inst General Genetics, Moscow, Russia; ²Biomedical center, Research Institute of Pure Biochemicals, St. Petersburg, Russia.
3. ***Discovery of newly evolved human DNA sequences featuring tumor-specific expression***
Krukovskaya L.L., Baranova A., Polev D.E., and Kozlov A.P.
Biomedical Center, Saint-Petersburg; *Vavilov Institute of General Genetics, Moscow, Russia;
4. ***Multiple concurrent analysis of gene expression as a tool for molecular diagnostics of tumors***
Yevtushenko V.I.
Research Institute of Radiology and Roentgenology, Saint-Petersburg, Russia
5. ***A new approach of two-step subtractive cloning provides for strict identification of genes whose expression is upregulated in the cells of one type of HIV-associated lymphoma compared with another type***
Nenasheva V.V., Tarantul V.Z., Nikolaev A.I.
Institute of molecular genetics RAS, Moscow
6. ***New candidate genes involved in progression of human B-cell chronic lymphocytic leukemia revealed by positional cloning and microarray-based approaches***
^{1,2}Anna Baranova, ^{1,2}Dmitry Ivanov, ²Mikhail Skoblov, ²Anna Pestova, ²Tatiana Tyazhelova, ¹Svetlana Nazarenko, ¹Tariq Alsheddi, ¹Shoba Gowder, ¹Francesco Gorreta, ¹Karen Schlauch, ³Eugene Nikitin, ¹Vikas Chandhoke, ²Nick Yankovsky
¹Molecular Biology and Microbiology Department, George Mason University, Fairfax, VA, USA; ²Vavilov Institute of General Genetics, Moscow, Russia; ³Hematology Research Center of Russia, Moscow, Russia
7. ***Recent and future advances to DNA sequencing***
Bartley D.
Johns Hopkins University, USA
8. ***Biomedical computing tools for collaborative research in AIDS, cancer and related problems.***
Sherman S.
University of Nebraska Medical Center, Omaha, USA

2:00 p.m. – 6:00 p.m. Big Hall

SESSION 10. DRUG ABUSE AND HIV/AIDS

Chairpersons: Hartsock P., Normand G.

1. ***Network approaches to HIV prevention.***
Carl A. Latkin.
2. ***New Findings for Enhanced Prevention of HIV for Drug Injectors***
Heimer R.
Yale University
3. ***A project for long-term monitoring of drug users in Saint-Petersburg: current results and lessons to learn.***
Shaboltas A.V.*, Toussova O.V.*, Bogoliubova O.N.*, Verevchkin S.*, Hoffman J.[#], Reider P.[#], and Kozlov A.P.*
*Biomedical Center and Saint-Petersburg University, Saint-Petersburg, Russia; School of Public Health, North Carolina University, USA
4. ***Efficiency of LAC psychological-social rehabilitation community for drug addicts***
Chaplinskias S. Gasiliauskas L.
Lithuanian AIDS center (LAC), Vilnius, Lithuania
5. ***Co-morbidity of infectious diseases and substance abuse in St. Petersburg, Russia***
Krupitsky E.M., Zvartau E.E., Lioznov D.A., Tsoy M.V., Belyaeva T.V., Antonova T.V., Brazhenko N.A., Zagdyn Z.M., and Woody G.
I. P. Pavlov Medical University, Saint-Petersburg, Russia; Department of Psychiatry, University of Pennsylvania.
6. ***Intolerance as a healthcare advocacy tool: discredit to providers, disservice to consumers***
Newman R.
Baron Edmond de Rothschild Chemical Dependency Institute, Beth Israel Medical Center, New York
7. ***Methadone programmes – a critical study***
Hallberg T.
European Cities Against Drugs

POSTERS:

1. ***The role of community in development and implementation of research projects aimed at preventing HIV among intravenous drug users.***
Bogoliubova O.N.
Biomedical Center and St. Petersburg University
2. ***Rehabilitation of HIV-infected drug addicts in LAC Psychological-social Rehabilitation Community***
Chaplinskias S. and Gasiliauskas L.
Lithuanian AIDS center (LAC), Vilnius, Lithuania
3. ***Day Center of Lithuanian AIDS Center Psychological-social Rehabilitation Community for Drug Addicts***
Chaplinskias S. and Gasiliauskas L.
Lithuanian AIDS center (LAC), Vilnius, Lithuania
4. ***The Evaluation of Project “School children against AIDS”***
Stoniene L. and Chaplinskias S.
Lithuanian AIDS Center (LAC), Lithuania
5. ***Psychological Status of HIV-Infected Prisoners in Lithuania***
Stoniene L. and Chaplinskias S.
Vilnius Pedagogical University and Lithuanian AIDS Center (LAC), Lithuania
6. ***Follow-up of Participants in a Prospective Cohort Study***
O. Toussova, A. Shaboltas, and A. Kozlov
Biomedical Center, Saint-Petersburg
7. ***Emotional and cognitive factors associated with seroconversion among participants of Intravenous Drug Users Cohort Study.***
O. V. Toussova,
Biomedical Center, St. Petersburg
8. ***On the status of drug users: surveillance vs. prosecution***
Ivanov S.Yu and Skochilov R.V.
Biomedical Center, Saint-Petersburg
9. ***Harm reduction: what’s next?***
Ivanov S.Yu and Skochilov R.V.
Biomedical Center, Saint-Petersburg
10. ***A study of injection drug manufacture and HIV risk in Russia***
Borodkina O., Irwin K., Kozlov A., and Heimer R.

Biomedical Center, St. Petersburg, Russia; Department of Epidemiology and Public Health, Yale University School of Medicine, New Haven, CT, USA;

11. *The influence of ethanol on HIV-1 (type 1) survival in vitro and its role in HIV transmission during intravenous injection.*

Tolstov Y. L.¹, Dizhe G. P.¹, Abdala N.², Kozlov A. P.³, and Heimer R.²

¹ Department of Biochemistry, St. Petersburg University, Russia; ² Department of Epidemiology and Public Health, Yale University School of Medicine, New Haven, CT, USA; ³ Biomedical Center, St. Petersburg, Russia;

12. *The mechanisms and some features of HIV transmission among injection drug users*

Tolstov Y. L.¹, Dizhe G. P.¹, Abdala N.², Kozlov A. P.³, and Heimer R.²

¹ Department of Biochemistry, St. Petersburg University, Russia; ² Department of Epidemiology and Public Health, Yale University School of Medicine, New Haven, CT, USA; ³ Biomedical Center, St. Petersburg, Russia

2:00 p.m. – 6:00 p.m. Small Hall

SESSION 11. MOLECULAR AND CELLULAR ASPECTS OF STRESS BIOLOGY

Chairpersons: Margulis B.A., Tanguay R.M.

1. *Extension of lifespan and resistance to stress by overexpression of small heat shock proteins*

Tanguay R. M., Morrow G., Samson M. and Michaud S.

Laboratory of Cell & Developmental Genetics, CREFSIP and Dept. Medicine, Pav. Marchand, Université Laval, Ste-Foy, Québec, Canada.

2. *The evolution of Hsp70 genes in the virilis group of Drosophila*

Garbuz D.G., Evgen'ev M.B., Zelentsova E.S., Velikodvorskaja V.V., and Zatsepina O.G.

Engelgardt Institute of Molecular Biology, Moscow.

3. *HSP 70 proteins are involved in protective mechanisms under stress*

Andreeva L.I., Boykova A.A., and Shabanov P.D.

Department of Pharmacology, Military Medical Academy, St. Petersburg, Russia

4. *Stress response and apoptosis of pro- and anti-inflammatory macrophages: regulatory role of extra- and intracellular nitric oxide*

Malyshev I.Yu., Zoubine M.¹, and Norkin M.¹

Institute of General Pathology and Pathophysiology, Moscow, Russia; ¹University of Missouri Kansas-City, Kansas, USA

5. *Stress protein Hsp70 as a means for the therapy of neurodegenerative diseases*

Guzhova I.V.

Institute of Cytology RAS, St. Petersburg, Russia

6. *The analysis of Hsp70 and Hdj1 chaperone expression in human tumors.*

Verbova M.V.¹, Novoselov S.S.¹, Margulis B.A.¹, Vasil'eva E.V.², and Vorob'eva N.K.²

¹Institute of Cytology RAS, St. Petersburg, Russia; ²City Oncological Clinics, St. Petersburg, Russia

7. *Prospects for application of Hsp70 stress protein*

Margulis B.A.

Institute of Cytology RAS, St. Petersburg, Russia

POSTER:

New producent strain for Hsp70 AND DnaJ families of human molecular chaperones: characterization of the products

Batyuk A.M., Rutkovsky A.V., and Margulis B.A.

Institute of Cytology, Russian Academy of Sciences, St. Petersburg

Friday, 10 October

9:00 a.m. – 2:00 p.m. Big Hall

SESSION 12. PREVENTION OF HIV/AIDS

Co-chairs: A.V.Shaboltas and R. V. Dyatlov

1. *Adaptation and application of PLACE (Priorities for Local AIDS Control Efforts) approach in Saint-Petersburg*

Dyatlov R.V.

Biomedical Center and Saint-Petersburg University, Saint-Petersburg

2. *Field group working experience during realization of the project "NIMH Collaborative HIV/STD Prevention Trial"*

Khmyrov A.V.¹, Panfilov G. R.¹, Dyatlov R.V.²

INGO View of the Future; 2ANO Biomedical Center, Saint-Petersburg, Russia

3. ***Psychological status of participants of International Youth Camp***
Stoniene L.
Lithuanian AIDS Center (LAC), Lithuania
4. ***Magazine Между нами ("Between us") in contrast with presented "phenomena" of mass media in the Baltic region in practice of social infections, HIV/AIDS and drug abuse, and risk behavior of young people***
Chaplinskas S. and Pushko H.
Lithuanian AIDS center (LAC), Vilnius, Lithuania
5. ***Experience of HIV and STD prevention and reproductive health maintenance in adolescent girl prisoners at Founding Colony in L'gov, Riazan Oblast***
Tarasova M.A. and Sonin D.B.
Riazan, Russia
6. ***HIV in the referential milieu of Saint-Petersburg residents***
Shevtsova E.V., Sokolov, N.V.
Saint-Petersburg University
7. ***Sociological studies as a prerequisite of implementation of programs of responses to medico-social conditions in the society***
Zherdeva A.I., Misak O.N., and Larina N.N.
AIDS and Infectious Diseases Control Center, Khavarovsk, Russia

POSTER SESSION

1. ***Counseling and Treatment Service for Vilnius street sex workers***
Kulshis S., Jarushuniene R., and Chaplinskas S.
Lithuanian AIDS Center, Lithuania
2. ***HIV knowledge, attitudes and beliefs in student dormitories of St. Petersburg***
Dyatlov R.V., Sokolov N.V., Bordokina O.I., Hartman B.R., Seal D.W., Kelly J.A., and Kozlov A.P.
3. ***Internet as a public source of information***
Budeniene V.
Lithuanian AIDS Center (LAC), Vilnius, Lithuania
4. ***Preventive approaches to organization of medical service provision to patients having the Z.20.6. diagnosis***
Zherdeva A.I., Kuznetsova A.V., and Shlenskaya Ye. A.
AIDS and Infectious Disease Control Center, Khabarovsk, Russia
5. ***Attitudes of Lithuanian population towards HIV/AIDS***
Chaplinskiene I.
Lithuanian AIDS Centre, Vilnius

9.00 a.m. – 2:00 p.m. Small Hall

SESSION 13. PROBLEMS OF TRANSMISSION OF HIV AND OTHER VIRUSES BY BLOOD TRANSFUSION

Co-chairs: Selivanov Ye. A., Chebotkevich V.N.

1. ***Problems of ensuring of the infectious safety of blood transfusion in Russia***
Selivanov Ye. A. and Danilova T.N.
Research Institute of Hematology and Blood Transfusion, Saint-Petersburg, Russia
2. ***Protocol form of standartization for transfusion maintenance as a method of risk reduction for Transmission of HIV and viral hepatitis***
Litmanovich K.Yu., Soldatenkov V.Ye., Burakov V.V.
Research Institute of Hematology and Blood Transfusion, Saint-Petersburg, Russia
3. ***Hepatitis C prevalence in different groups of subjects***
Bubnova L.N., Berkos M.V., and Matveeva T.A.
Research Institute of Hematology and Blood Transfusion, Saint-Petersburg, Russia
4. ***The prevalence of genetic variants of hepatitis C virus in hematological patients***
Yaroslavtzeva N.G., Lukina E.A., Sysoeva E.P., Grumbkova L.O., Solovieva T.I., Filatov F.P.
National Hematological Research Center, RAMS, Moscow, Russia
5. ***Laboratory diagnostics of viral hepatitis C in Odessa Region***
Dragomeretskaya N.V.², Zasyпка L.I.¹, Krasnitskaya L.V.¹, Kotlik L.S.¹, Budiachenko T.D.¹, and Skopenko A.V.¹.
¹Odessa Regional Sanitary and Epidemiological Surveillance Center and ²Ukrainian Research Institute of Medical Rehabilitation and Resorts, Odessa, Ukraine
6. ***International WHO standards for viral safety of donor blood***
Fedorov N.A., Yolov A.A., Cherkasov Ye.G., Grishayev M.P., and Zhyburt Ye. B.
Blood Center of RF Ministry of Health, Moscow
7. ***Collaboration of EIA and PCR laboratories in blood services***
Cherkasov Ye.G., Fedorov N.A., Yolov A.A., and Zhyburt Ye. B.

- Blood Center of RF Ministry of Health, Moscow
8. ***Monitoring of herpetic infections in immunocompromised patients***
Garanzha T.A., Yaroslavtseva N.G., Somova A.V., Grumbkova L.O., and Filatov F.P.
Hematological Research Center, Moscow, Russia
 9. ***Diagnostics of human herpes virus 6 in immunodepressed patients having hemoblastoses***
Gonchar V.A., Shilova Ye. P., Rumel N.B., and Chebotkevich V.N.
Research Institute of Hematology and Blood Transfusion, Saint-Petersburg, Russia
 10. ***A role of bone marrow stromal cells in hepatitis C development***
Rugal V.I., Ponomarenko V.M., Gonchar V.A., Chebotkevich V.N., and Kuznetsov N.I.
Research Institute of Hematology and Blood Transfusion, Saint-Petersburg, Russia

2:00 p.m. – 5:00 p.m. Big Hall

SESSION 14. EPIDEMIOLOGY AND PREVENTION OF TUBERCULOSIS

Co-chairs: Zhemkov V.F., Sazhin V.L., Kushnud K., and Levashov Yu.N.

1. ***TB epidemiology in the Northwest of Russia and in Saint-Petersburg***
Levashov Yu.N., Grishko A.N., Zhemkov V.F., and Shapkovskaya L.R.
Research Institute of Phthisiology and City TB Dispensary, Saint-Petersburg, Russia
2. ***TB control in Russian prisons***
Sazhin, V.L.
Penitentiary Administration, Saint-Petersburg
3. ***Modern approaches to working with asocial populations in Saint-Petersburg***
Alsterlund R. and Stavchanskaya I.I.
SEEC, Sweden; TB Dispensary No 8, Saint-Petersburg, Russia
4. ***HIV and TB***
DeHovitz, J.
USA
5. ***Epidemiological features of TB in Saint-Petersburg***
Chkhindzheriya I.G. and Parkov O.V..
State Sanitary and Epidemiological Surveillance Center, Saint-Petersburg
6. ***Continuity of the activities of medical services of Penitentiary Administration and municipal health care services***
Ivanenko Yu.D.
City TB Dispensary, Saint-Petersburg
7. ***The prevalence of drug-resistant M. tuberculosis strains in the Northwest of Russia***
Vishnevskiy B.I.
Research Institute of Phthisiology, Saint-Petersburg
8. ***Morphological characteristics of progressive drug-resistant tuberculosis***
Ariel, B.M.
Research Institute of Phthisiology, Saint-Petersburg
9. ***Characteristics of HIV-infected persons with active tuberculosis in St. Petersburg, Russia***
Zhemkov V.¹, Granskaya J.², Steklova L.¹, Narvskaya O.³, Shpakovskaya L.¹, Masharsky A.², Wendelboe A.M.⁴, Kozlov A.², Ryder R.⁴, Salfinger M.⁵, and Van Rie A.⁴.
¹City Tuberculosis Center, Saint-Petersburg, Russia; ² Biomedical Center, Saint-Petersburg, Russia; ³ Pasteur Institute, Saint-Petersburg, Russia; ⁴University of North Carolina, School of Public Health, Department of Epidemiology, Chapel Hill, USA; ⁵Wadsworth Center, New York State Department of Health, Albany, New York, USA
10. ***Immunology of progressive pulmonary tuberculosis***
Knorrning, B.E.
Research Institute of Phthisiology, Saint-Petersburg
11. ***The clinical significance of different genetic variants of M. tuberculosis***
Sapozhnikov N.V.
Research Institute of Phthisiology, Saint-Petersburg
12. ***The use of interleukins in combined treatment of lung tuberculosis***
Ovachakova L.I.
Research Institute of Phthisiology, Saint-Petersburg
13. ***Liver protection in combined therapy for lung tuberculosis***
Pavlova M.B.
Research Institute of Phthisiology, Saint-Petersburg
14. ***TB knowledge, medication adherence and post-release follow up care among prisoners in St. Petersburg***
Kushnud K.

POSTER:***AIDS-associated diseases in patients with HIV infection and TB***

Fomenkova N.V., Panteleyev A.M., Ivanov A.K., and Sologub T.V.

Dept. of Phthisiology and Pulmonology and Dept. of Infectious Diseases, I.I. Mechnikov Medical Academy, Saint-Petersburg

2:00 p.m. – 5:00 p.m. Small Hall**SESSION 15. SOCIAL WORK AND PREVENTION OF RISK BEHAVIOR IN YOUTH****Co-chairs: Khmyrov A.V. and Sokolov Ye. V.**

1. ***Factors influencing condom use among residents of student dormitories in St. Petersburg, Russia***
Sokolov N.V.^{1,2}, Dyatlov R.V.^{1,2}, Borodkina O.I.^{1,2}, Seal D.³, Hartmann B.³, Kelly J.³, Kozlov A.P.²
¹Biomedical Center, St. Petersburg; ² St. Petersburg University; ³Medical College of Wisconsin, Milwaukee, USA
2. ***Organization of multifactorial preventive activity among the youth of Saint-Petersburg and other regions of Russia***
Khmyrov A.V., Malysheva L.L., Yamschikova Ye. P., Lazareva Ye. V., and Sokolova Ye. V.
Regional Public Organization "Look into Future", Saint-Petersburg
3. ***Risky behavior prevention in Saint-Petersburg teenagers: problems and prospects***
Gladskih Ye. N., Andreyanycheva I.V., Merkulova L.V., and Kozhuhovskaya T.Yu.
City Counseling and Diagnostic Center for Children "Yuventa", Saint-Petersburg
4. ***Psychological aspects of implementation of preventive programs among young people***
Krishtal T.Yu, and Vakhrusheva G.V.
Department of Adolescent Health Care and Valeology, Medical Academy of Postgraduate Training; Inter-Institute Center for Prevention of Drug Abuse among Young People, Pedagogical University, and City Students Polyclinic No 76, Saint-Petersburg
5. ***STD epidemiology and prevention among the youth of Krasnogvardeyskiy District of Saint-Petersburg***
Trubetskaya T.Ye., Chugreyev A.A., and Fedorova V.A.
Counseling Center for Young People, Saint-Petersburg
6. ***Some behavioral characteristics of schoolchildren and students***
Davydova A.A., Mebel B.D., Kucherenko Yu. N., Kuts L.V.
AIDS and Infectious Diseases Control Center, Saint-Petersburg
7. ***The use of computer technologies in educational programs for young people***
Davydova A.A.¹, Safjannikov N.M.², and Bureneva O.I.²
¹AIDS and Infectious Diseases Control Center, Saint-Petersburg; ²Electrotechnical University, Saint-Petersburg
8. ***AIDS prevention among teenagers and young people***
Slavova Ye. P.
Center for Psychological, Medical and Social follow-up, Kurortniy District, Saint-Petersburg
9. ***Experience of group work among HIV-infected drug-dependent adolescents and young adults***
Gorodnova M.Yu. and Scheglov F.G.
Inter-district Narcological Dispensary No 1, Saint-Petersburg
10. ***Organization of volunteer movement for primary prevention of alcoholism and drug abuse among schoolchildren of Frunzenskiy District of Saint-Petersburg on the basis of GOUM 212***
Tretjakova U.S.
Saint-Petersburg
11. ***Young people for healthy future***
Chernoperov A.A.
Saint-Petersburg Regional Branch of Russian Red Cross
12. ***Interaction classes as a method of drug abuse prevention among students***
E. S. Soboleva
Municipal Center of Child Neglect and Drug Abuse Prevention, Saint-Petersburg .
13. ***Personnel in drug abuse prevention: problems and perspectives***
A. A. Samokhina
Municipal Center of Child Homelessness and Drug Abuse Prevention.
14. ***The project "Social Theater: Play + " as a means for prevention of adverse social phenomena among young people***
Ivanian R.