

**17th International Conference
“AIDS, Cancer and Public Health”
St. Petersburg, Russia
(May 26 – 29, 2008)**

CONFERENCE PROGRAM

**17th International Conference
“AIDS, Cancer and Public Health”
St. Petersburg, Russia
(May 26 – 29, 2008)**

Conference chairmen:

A.P.Kozlov

Conference organizers:

Biomedical Center

St.Petersburg State University

State Research Institute of Highly Pure Biopreparations

Scientific committee:

V.N.Chebotkevich

A.G.Golubev

I.A.Gorlinsky

B.E.Gurtsevich

E.Imyanitov

S.A.Ketlinsky

K.Khoshnood

N.A.Klimov

O.S.Kozlova (Executive secretary)

E.M.Krupitsky

Y.N.Levashov

L.Margolis

A.E.Masharsky

A.I.Mazus

E.A.Selivanov

A.V.Shaboltas

A.S.Simbirtsev

N.G.Skvortsov

V.F.Zhemkov

Organizing committee:

N.A.Cherkasov

E.B.Kovacheva

L.A.Kurkina

O.A.Popova

O.A.Prokhorchuk

L.N.Vasilieva

S.V.Verevchkin

Sponsors:

Russian Federal Medico-Biological Agency,

Russian Foundation for Fundamental Research,

Fogarty International Center

Contents

<i>Short Program of the 17th International Conference “AIDS, Cancer and Public Health”</i>	4
<i>Program of the 17th International Conference “AIDS, Cancer and Public Health”</i>	5
<i>Poster Session Program</i>	15

Short Program
17th International Conference “AIDS, Cancer and Public Health”
St. Petersburg, Russia (May 26 – 29, 2008)

*Opening of the Conference will take place at the University Center
(6, Birzhevaya linia, Vasilievsky Ostrov).*

Conference Venue: “Oktiabrskaya”Hotel (10, Ligovsky prospect)

26.05 Monday		The University Center			
	14:00-18:00	Opening Ceremony, awards presentation, and awardee talks			
27.05 Tuesday		Hotel “Oktiabrskaya” Blue Hall		Hotel “Oktiabrskaya” Fireplace Hall	
	10.00-12.00	Methodology of Multidisciplinary Research		Molecular-Epidemiological Monitoring of HIV Diversity	
	13.00-15.00	Epidemiology and Prevention of HIV Infection		HIV Vaccine	
	15.30-17:00			Local Prevention of HIV Transmission (Microbicides)	
	17.00-19.00	Poster Session			
28.05 Wednesday	10.00-13.00			Ethical Issues in International Health Research	
	14.00-17.00	Prevention of Hemotransfusion-Mediated Transmission of HIV and Other Viruses		Frontiers in Immunology	
29.05. Thursday		Hotel “Oktiabrskaya” Blue Hall	Hotel “Oktiabrskaya” Fireplace Hall	Hotel “Oktiabrskaya” Conference Hall	Preventive Center (St.Petersburg University)
	10.00-13.00	Molecular Oncology	Kai Koskela Memorial Symposium “MDR-TB”	Drug Addiction and HIV	Workshop “Challenges in Reviewing of International Health Research”
	14.00-18.00	Viral and Genetic Factors of Carcinogenesis			
	18.00-18.45	Hotel “Oktiabrskaya” Blue Hall			
	Joint Session with Russian-German Bilateral Symposium “Molecular Biomedicine ”				
30.05. – 02.06.	Russian-German Bilateral Symposium: “Molecular Biomedicine”				

Program

**17th International Conference “AIDS, Cancer and Public Health”
St. Petersburg, Russia (May 26 – 29, 2008)**

*Opening of the Conference will take place at the University Center
(6, Birzhevaya linia, Vasilievsky Ostrov).*

Conference Venue: “Oktiabrskaya”Hotel (10, Ligovsky prospect)

Monday, 26 May

University Center

14:00 - 18:00

Big Hall

1. PLENARY SESSION

Chairperson: A.P.Kozlov

CONFERENCE OPENING AND AWARDS PRESENTATION

AWARDEE TALKS

Tuesday, 27 May

Hotel “Oktiabrskaya”

10:00 – 12:00

Blue Hall

2. SYMPOSIUM “METHODOLOGY OF MULTIDISCIPLINARY RESEARCH”

Chairperson: N.G. Skvortsov

**1. PROBLEMS OF QA/QC AND STANDARTIZATION IN MEASURING OF THE
SOCIAL AND BIOSOCIAL OBJECTS**

Sokolov N.V., Kozlov A.P., and Skvortsov N.G.

St. Petersburg University and the Biomedical Center, St. Petersburg

**2. METHODOLOGY OF SIGNIFICANCE AND A NEW POINT OF VIEW IN
HYPOTHESIS TESTING**

Malov S.V.

St. Petersburg University and the Biomedical Center, St. Petersburg

3. THE SEMANTICS OF LIFESPAN

Golubev A.G.

Research Institute of Experimental Medicine, St. Petersburg

10:00 – 12:00

Fireplace Hall

3. SYMPOSIUM "MOLECULAR EPIDEMIOLOGICAL MONITORING OF HIV DIVERSITY"*Chairpersons: R. Swanstrom and A.E. Masharsky***1. FEATURES OF THE ENV GENE OF HIV-1 AFTER SEXUAL TRANSMISSION***Swanstrom R.**UNC Center For AIDS Research, University of North Carolina, Chapel Hill, North Carolina, USA***2. AMPLIFICATION AND COMPARTMENTALIZATION OF HIV-1 SUBTYPE C ENV SEQUENCES IN SEMEN COMPARED TO BLOOD***Anderson J.A.¹, Ping L.¹, Arney L.¹, Tang Y.¹, Hoffman I.¹, Maida M.², Kazembe P.², Fiscus S.¹, Cohen M.¹, and Swanstrom R.¹**¹UNC Center For AIDS Research, University of North Carolina at Chapel Hill; ²Lilongwe Central Hospital, Lilongwe, Malawi***3. MOLECULAR EPIDEMIOLOGY OF HIV-1 IN ST. PETERSBURG, RUSSIA***Dukhovlina E.¹, Solovjeva T.¹, Masharskiy A.¹, Chernyaeva E.¹, Verevchkin S.¹, Gagarina S.¹, Toussova O.¹, Volkova G.³, Klimov N.¹, Heimer R.², and Kozlov A.¹**¹Biomedical Center, St. Petersburg, Russia; ²Yale University, New Haven, CT, USA; ³City AIDS Center, St. Petersburg, Russia***4. SINGLE-GENOME AMPLIFICATION ANALYSIS OF ENV GENE INTRAPATIENT DIVERSITY OF SUBTYPE A HIV-1 STRAINS AMONG ST. PETERSBURG IDUS WITH ACUTE AND EARLY HIV INFECTION***Masharskiy A.¹, Verevchkin S.¹, Anderson J.², Hoffman I.², Swanstrom R.², and Kozlov A.¹**¹Biomedical Center and Research Institute of Highly Pure Biopreparations, St. Petersburg, Russia; ²UNC Center for AIDS Research, University of North Carolina, Chapel Hill, North Carolina, USA***5. DETECTION OF DRUG-RESISTANT FORMS OF HIV-1***Zarytova V.F., Repkova M.N., Levina A.S., Dmitrienko E.V., Pyshnaya I.A., Pyshny D.V., Kabilov M.R., and Gashnikova Y.S.**¹Institute of Chemical Biology and Fundamental Medicine, Novosibirsk Scientific Center of Virology and Biotechnology "Vector", Koltsovo, Russia*

13:00 – 17:00

Blue Hall

4. SIMPOSIUM: "HIV EPIDEMIOLOGY AND PREVENTION"*Chairpersons: A.I. Mazus and G.V. Volkova***1. HIV CONTROL PROGRAMS IN RUSSIA***Mazus A.I.**AIDS Control Center, Moscow***2. HIV INFECTION IN SAINT-PETERSBURG***Volkova G.V.**AIDS Control Center, St.-Petersburg***3. HIV/AIDS IN THE REGIONS OF UKRAINE: ON THE USEFULNESS OF A REGIONAL APPROACH***Kupryashkina-McGill S.,**Aktualnye Infekcii, Kiev, Ukraine*

4. **ASSESSMENT OF KNOWLEDGE AND ATTITUDES REGARDING SAFE SEX AMONG CLIENTS OF STD DISPENSARIES**
Krasnoselskikh T.V., Shaboltas A.V., Skochilov R.V., Abdala N.
Biomedical Center, St. Petersburg, Russia, Yale University, USA

5. **MONITORING OF PREVALENCE AND INCIDENCE RATES OF HIV INFECTION AMONG IDUS IN ST. PETERSBURG, RUSSIA**
Verevchkin S.V., Timofeeva M.Yu., Gagarina S.Yu., Glubokovskaja M.M., Krasnoselskikh T.V., Toussova O.V., Latkin C., Hoffman I., Niccolai L., Heimer R., Kozlov A.P.
Biomedical Center, St. Petersburg, Russia, John Hopkins University, North Carolina University, Yale University, USA.

6. **ESTIMATION OF HIV PREVALENCE AMONG BLOOD DONORS AND ELDERLY SUBJECTS IN ULYANOVSK OBLAST**
Alpatova I.G.
Regional AIDS Control Center, Ulyanovsk

7. **SEX PARTNER NOTIFICATION PROGRAMS IN RUSSIA: PROBLEMS AND PROSPECTS**
Ostapenko M.A.
Biomedical Center, St. Petersburg

13:00 - 15:00

Fireplace Hall

5. SYMPOSIUM "HIV VACCINE"

Chairpersons: A.P.Kozlov and I.G. Sidorovich

1. **PROSPECTS FOR ADVANCES IN VACCINES AND THEIR PREVENTIVE USE**
Zverev V.V.
Vaccine Research Institute, Moscow

2. **HIV VACCINE MODELS: PRIME-BOOST STRATEGIES**
Buonaguro F.
National Cancer Institute, Naples, Italy

3. **PRECLINICAL STUDY OF CANDIDATE DNA VACCINE TOXICITY**
Klimov N.A., Murashov N.A., and Kozlov A.P.
Research Institute of Highly Pure Biopreparations and the Biomedical Center, St. Petersburg

4. **STUDIES OF THE IMMUNOLOGICAL PROPERTIES OF A CANDIDATE DNA VACCINE DEVELOPED IN ST. PETERSBURG**
Dukhovlinov I.V., Murashev B.V., Klimov N.A., and Kozlov A.P.
Research Institute of Highly Pure Biopreparations and the Biomedical Center, St. Petersburg

5. **ATTESTATION, REGISTRATION AND LICENSING OF VACCINES FOR VIRAL DISEASE PREVENTION**
Vorobiyeva M.S.
Institute of Standards, Moscow

6. **FIRST IN RUSSIA CLINICAL TRIAL OF THE CANDIDATE HIV VACCINE**
Sidorovich I.G. and Karamov E.V.
Institute of Immunology, Moscow

15:30 – 17:00

Fireplace Hall

6. SYMPOSIUM "LOCAL PREVENTION OF HIV TRANSMISSION (MICROBICIDES)"*Chairpersons: L. Margolis and J. Balzarini.***1. NON-HUMAN PRIMATE MODELS OF THE INTERRUPTION AND MODULATION OF AIDS VIRUS INFECTION***Lifson J.D.**National Cancer Institute, Frederick, USA***2. NEW ANTIVIRAL APPROACHES AND VIRAL ESCAPE***Berkhout B.**University of Amsterdam, the Netherlands***3. GLYCANS OF ENVELOPED VIRUSES AS SPECIFIC TARGET FOR MICROBICIDAL AND SYSTEMIC THERAPEUTIC INTERVENTION***Balzarini J.**Catholic University, Belgium***4. NON-POLYSIALYLATED CD56 IS A DC-SIGN LIGAND ON THE NK: POSSIBLE ROLE IN DC DECREASE IN THE COURSE OF HIV INFECTION.***Nabatov A.A, Garcia-Vallejo JJ, Kalay H/, van Kooyk Y., Geijtenbeek T.B.H.**VU Medical Center, Amsterdam, The Netherlands*

17:00 – 19:00

Hall

7. POSTER SESSION**Wednesday, 28 May**

10:00 – 13:00

Fireplace Hall

8. SYMPOSIUM "ETHICAL ISSUES IN INTERNATIONAL HEALTH RESEARCH"*Chairpersons: I. A. Gorlinski and K. Khoshnood***1. ETHICAL ISSUES IN HIV/AIDS DRUG AND VACCINE TRIALS***Levine R.**Yale University, USA***2. ETHICAL ISSUES IN HIV/AIDS RESEARCH***Khoshnood K.**Yale University, USA***3. ADDRESSING SCIENTIFIC INTEGRITY AND MISCONDUCT IN A UNIVERSITY***Alfano S., Levine R.**Yale University, USA*

4. ON CITING PRACTICE IN INTERNATIONAL SCIENTIFIC PUBLICATIONS*Anisimov V.N.**N.N. Petrov Institute of Oncology, St. Petersburg***5. ETHICAL PERSPECTIVES ON PERSONALIZED GENOMICS: THE WATSON GENOME***Wheeler D.**Baylor College, Houston, USA***14:00 – 17:00****Blue Hall****9. SYMPOSIUM “PROBLEMS OF HEMOTRANSFUSION-MEDIATED TRANSMISSION OF HIV AND OTHER VIRUSES”***Chairpersons: E.A.Selivanov and V.N.Chebotkevich***1. OPENING REMARKS***Selivanov E. A.**Research Institute of Hematology and Blood Transfusion, St. Petersburg, Russia***2. INCREASING THE SAFETY OF BLOOD AND BLOOD COMPONENT TRANSFUSION IN THE RUSSIAN FEDERATION***Danilova T.N., Selivanov E.A., Degtereva I.N., and Grigorian M. Sh.**Research Institute of Hematology and Blood Transfusion, St. Petersburg, Russia***3. THE RATE OF DETECTION OF VIRAL MARKERS IN DONATED BLOOD IN RUSSIA, WEST EUROPEAN COUNTRIES, AUSTRALIA, CANADA, AND USA IN THE THIRD MILLENIUM***Fedorov N.A., Yolov A.A., Pavlov S.A., and Lichonin G.A.**Central Station of Blood Transfusion, Moscow***4. QUANTITATIVE CHARACTERISTICS OF VIRAL NUCLEIC ACIDS IN BLOOD PLASMA OF HEMATOLOGICAL CLINIC PATIENTS HAVING MIXED B+C HEPATITIS AS COMPARED WITH HVB OR HVC MONOINFECTION***Yaroslavtseva N.G., Grumbkova L.O., Tupoleva T.A., Tichomirov D.S., Ignatova E.N., Romanova T.Y., Suvorova P.A., and Filatov F.P.**Center of Hematology, Russian Academy of Medical Sciences, Moscow***5. HEPATITES OF UNDEFINED ETIOLOGY: THE VIROLOGICAL ASPECT***Tupoleva T.A., Garanzha T.A., Somova A.V., Ignatova Ye.N., Yaroslavtseva N.G., Golosova T.V., and Filatov F.P.**Center of Hematology, Russian Academy of Medical Sciences, Moscow***6. IMPROVING THE METHODOLOGY OF AUTOLOGOUS BLOOD USE IN SURGERY AS AN APPROACH TO REDUCING THE RISK OF HEMOTRANSFUSION-MEDIATED HIV AND VIRAL HEPATITIS INFECTION***Soldatenkov V.Ye, Kargin V.D., Burakov V.V., and Saltykova N.B.**Research Institute of Hematology and Blood Transfusion, St. Petersburg***7. SPECIFIC FEATURES OF HERPES VIRUS DIAGNOSTICS IN HEMATOLOGICAL PATIENTS***Tichomirov D.S., Garanzha T.A., Tupoleva T.A., Suvorova P.A., Yaroslavtseva N.G., and Filatov F.P.**Center of Hematology, Russian Academy of Medical Sciences, Moscow.*

8. OPTIMIZATION OF LABORATORY DIAGNOSTICS OF CMV INFECTION IN RENAL TRANSPLANT RECIPIENTS

Suvorova P.A., Garanzha T.A., Tikhomirov D.S., Makeyev D.A., Kolendo S.Ye., Sokolskiy A.S., Tupoleva T.A., Bebeshko Ye.V., Biriukova L.S., and Filatov F.P.

*Center of Hematology, Russian Academy of Medical Sciences, * I.M. Sechenov Medical Academy, **Municipal Clinical Hospital No 7, and *** Research Institute of Urology, Moscow*

14:00 – 17:00**Fireplace Hall**

10. SYMPOSIUM «FRONTIERS IN IMMUNOLOGY»

Chairpersons: S.A. Ketlinsky and A.S. Simbirtsev

1. MUCOSAL IMMUNOLOGY

Ketlinskiy S.A..

Research Institute of Highly Pure Biopreparations, St. Petersburg

2. THE COMPLEMENT SYSTEM AND HIV

Ischenko A.M..

Research Institute of Highly Pure Biopreparations, St. Petersburg

3. A NOVEL PEPTIDIC PREPARATION FOR THE TREATMENT OF SECONDARY IMMUNODEFICIENCIES

Kolobov A.

Research Institute of Highly Pure Biopreparations, St. Petersburg

4. PROSPECTS FOR THE LOCAL USE OF IL-1 PREPARATIONS

Variushina Ye.A..

Research Institute of Highly Pure Biopreparations, St. Petersburg

5. CYTOKINE THERAPY FOR GASTRIC MUCOSA LESIONS

Aleksandrov G.V.

Research Institute of Highly Pure Biopreparations, St. Petersburg

Thursday, 29 May

10:00 – 13:00**Blue Hall**

11. SIMPOSIUM "MOLECULAR ONCOLOGY"

Chairpersons: E. Imyanitov and D. Wheeler

1. HOW CELLS DIE

Schulze-Osthoff K.

Institute of Medical Microbiology, Dusseldorf, Germany

2. GENETIC CONTRIBUTION TO ALL CANCERS: THE FIRST DEMONSTRATION USING THE MODEL OF BREAST CANCERS FROM POLAND STRATIFIED BY AGE AT DIAGNOSIS AND TUMOUR PATHOLOGY

Lubinski J.

Pomeranian Medical University, Department of Genetics and Pathology, International Hereditary Cancer Center, Szczecin, Poland

3. **BIOINFORMATIC ANALYSIS OF TRANSCRIPTOME CHANGES IN COLORECTAL CANCER**
Oparina N., Krasnov G., Kropotova E., Tychko R., Zinovieva O., Mashkova T., and Kisselev T.. Engelhardt Institute of Molecular Biology, Moscow, Russia
4. **MOLECULAR PATHOGENESIS OF BILATERAL BREAST CANCER**
Imyanitov E.
N.N. Petrov Institute of Oncology, St. Petersburg, Russia
5. **PATTERNS OF VARIATION IN THE CANCER GENOME: CASE STUDY IN GLIOBLASTOMA MULTIFORME**
Wheeler D
Baylor College, Houston, USA
6. **DISCOVERY AND CHARACTERIZATION OF NOVEL TUMOR-SPECIFIC SEQUENCES BY GENOMIC METHODS**
Kozlov A.P.
Biomedical Center, St. Petersburg
7. **OVERCOMING THE TUMOR ENDOTHELIAL BARRIER FOR IMMUNOTHERAPY OF CANCER**
Hammerling G.
German Cancer Research Center, Heidelberg, Germany

10:00 – 18:00

Fireplace Hall

12. THE KAJ KOSKELA MEMORIAL SYMPOSIUM "MANAGEMENT OF MDR TUBERCULOSIS"

Chairpersons: V. Zhemkov, Y. Levasov, and A. Nyberg

1. **OPENING OF THE SEMINAR**
Zhemkov V.F. and Levashov Y.N
2. **MILESTONES OF THE WORK OF PROF. KAJ KOSKELA, THE LATE SECRETARY GENERAL OF FILHA**
Uotila V., Chairman of the Council of Filha
3. **THE MECHANISMS OF TB DRUG RESISTANCE**
Katila M.-L., Kuopio
4. **RISKS AND INCIDENCE OF MDR-TB**
Davies P., Liverpool
5. **EPIDEMIOLOGY OF MDR IN RUSSIA**
Vishnevsky B.I., St.Petersburg
6. **MDR AND XDR, THE ESTONIAN EXPERIENCE**
Danilovits M., Tartu

7. **THE MDR SITUATION IN NOVGOROD REGION**
Karpov A.V., Novgorod
8. **CHALLENGES OF MDR IN A WORSENING HIV EPIDEMIC**
Davies P., Liverpool
9. **CENTRALIZED MANAGEMENT OF MDR-TB**
Danilovits M., Tartu

10:00 – 13:00

Conference Hall

13. SIMPOSIUM "DRUG ADDICTION AND HIV"

Chairpersons: E.M.Krupitsky and A.V. Shaboltas

1. **A DOUBLE-BLIND, PLACEBO CONTROLLED TRIAL OF LONG ACTING IMPLANTABLE FORMULATION OF NALTREXONE (PRODETOXONE) FOR HEROIN DEPENDENCE: RESULTS OF INTERIM ANALYSIS**
Krupitsky E., Zvartau E., Egorova V., Masalov D., Tsoi M., Burakov A., Bushara N., Romanova T., Verbitskaya E., Slavina T., Grinenko A., and Woody G.
I. P. Pavlov Medical University, St. Petersburg, Russia, and University of Pennsylvania, Philadelphia, USA
2. **PILOT PROGRAM OF CASE MANAGEMENT OF HIV-INFECTED INJECTION DRUG USERS IN NEED FOR ANTIRETROVIRAL THERAPY IN ST. PETERSBURG**
Shaboltas A.V., Skochilov R.V., Levchenko Yu.V., Hoffman I., Broun L., and Kozlov A.P.
Biomedical Center and St. Petersburg University, St. Petersburg
3. **SPECIFIC FEATURES OF OVERDOSING IN INJECTION OPIATE USERS**
Yliuk R.D., Krupitskiy E.M., Torban M.N., Kozlov A.P., Blinnikova K.N., Heimer R., and Green T.
V.M. Bekhterev Research Institute of Psychoneurology and the Biomedical Center, St. Petersburg, Russia, and Yale University, USA.
4. **PRELIMINARY RESULTS OF THE STUDY ON SEXUAL ACQUISITION AND TRANSMISSION OF HIV - COOPERATIVE AGREEMENT PROGRAM (SATH-CAP) IN ST.PETERSBURG**
Toussova O.V., Verevockhin S.V., Niccolai L., Heimer R. and Kozlov A.P.
Biomedical Center, St. Petersburg, Yale University, USA
5. **AN EXPERIENCE OF COHORT STUDY DESIGNED TO EVALUATE THE EFFECTIVENESS OF PREVENTIVE BEHAVIORAL PROGRAM FOR INJECTION DRUG USERS IN ST. PETERSBURG**
Levchenko Yu., Skochilov R., Shaboltas A., Sokolov N., Kozlov A., Tobin K, and Latkin K.
Biomedical Center, St. Petersburg, Russia, and John Hopkins University, Baltimore, USA

10:00 – 17:00 Preventive center (St.Petersburg State University)

14. WORKSHOP: “CHALLENGES IN REVIEWING OF INTERNATIONAL HEALTH RESEARCH”

Chairpersons: I.A. Gorlinski, K. Khoshnood, and R. Levine

14:00 – 18:00

Blue Hall

15. SIMPOSIUM “VIRAL AND GENETIC FACTORS OF CARCINOGENESIS”

Chairpersons: V.E. Gurtsevich, C. Bangham, V.N. Anisimov, and T.V. Pospelova

1. **HUMAN T CELL LEUKAEMIA VIRUS, HTLV-1: ROLE OF THE IMMUNE RESPONSE IN LEUKAEMIA AND NON-MALIGNANT INFECTION.**
Bangham C.
Imperial College London, UK
2. **FREQUENT SIMIAN FOAMY VIRUS INFECTION IN WEST AFRICAN CHIMPANZEES FROM THE WILD.**
Morozov V.
Institute of Human Virology, Baltimore MD, USA
3. **KAPOSI SARCOMA HERPESVIRUS: A CLASSICAL ONCOVIRUS OR AN INDIRECT CAUSE OF INFLAMMATION-RELATED CANCER?**
Schulz T.
Institut für Virologie, Hannover, Germany
4. **HHV-8 IN RUSSIA: ASSOCIATION WITH KAPOSI SARCOMA, SITE OF LATENCY, WAYS OF SPREAD, AND PHYLOGENETIC ANALYSIS.**
Gurtsevich V.E.
N.N. Blokhin Cancer Research Center, Moscow, Russia.
5. **THE MECHANISMS OF THYMIC INVOLUTION DURING TUMOR GROWTH**
Kisseleva E.P., Krylov A.V., Stepanova O.I., Lyamina I.V., and Lioudyno V.I
Institute for Experimental Medicine, Russian Academy of Medical Sciences, St. Petersburg, Russia
6. **HDAC INHIBITORS: MODULATION OF WNT/ β -CATENIN SIGNALING AND INDUCTION OF CELLULAR SENESCENCE**
Pospelova T.V., Zubova S.G., Bykova T.V., Svetlikova S.B., Abramova M.V., Romanov V.S., and Pospelov V.
Institute of Cytology, Russian Academy of Sciences, St.Petersburg, Russia

18:00 – 18:45**Blue Hall**

16. JOINT SESSION WITH RUSSIAN-GERMAN BILATERAL SYMPOSIUM “MOLECULAR BIOMEDICINE”

Chairman: S.A.Nedospasov

PLENARY LECTURE**1. TARGETING MAJOR STRESS RESPONSE PATHWAYS FOR CANCER TREATMENT AND TISSUE PROTECTION**

Gudkov A.V.

Roswell Park Cancer Institute, Buffalo, NY, USA

POSTER SESSION PROGRAM

HIV VACCINE

1. **STUDY OF A MECHANISMS UNDERLYING INCREASE OF EXPRESSION OF THE G+C ENRICHED GENES**
Al-Shekhadat R.I., Dukhovlinov I.V., Vorojtsova E.V., Murashev B.V., Klimov N.A., Kozlov A.P.
The Biomedical Center, St. Petersburg, Russia
2. **DNA IMMUNIZATION: PLASMID DNA DELIVERY AND DISTRIBUTION AND IN VIVO ANTIGEN EXPRESSION**
Kuliabina O.V., Murashev B.V., and Kozlov A.P.
Biomedical Center, St. Petersburg, Russia
3. **CLONING AND EXPRESSION OF N-TERMINAL FRAGMENT OF GP 120 HIV-1 SUBTYPE A IN E.COLI CELLS.**
Ryzhova T.A., Klimov N.A., Kozlov A.P.
The Biomedical Center, St. Petersburg, Russia

EPIDEMIOLOGY AND CLINICAL ASPECTS OF HIV/AIDS AND INFECTIOUS DISEASES

4. **THE ORIGIN OF AIDS IN THE ELDERLY**
Alpatova I.G.
Regional AIDS Control Center, Ulyanovsk
5. **HIV INFECTION IN BLOOD DONORS**
Alpatova I.G., Kalinikova N.V., and Chumakova A. Ye.
Regional AIDS Control Center, Ulyanovsk
6. **COMPLETENESS OF RESEARCH OF A CONTINGENT ON HBSAG AND ANTIBODY HCV.**
Ardatova L.V., Rogachov A.A., Ardatova N.N
NHI «Railways Clinical Hospital at the Samara Station», Department of public health services of the mayoralty of Togliatti City.
7. **HIV RISK IN HOMELESS SUBJECTS**
Borodkina O.I.
St. Petersburg University
8. **STUDY OF KATG, RPOB AND EMBB MUTATIONS AMONG DRUG RESISTANT STRAINS OF MYCOBACTERIUM TUBERCULOSIS ISOLATED IN ST.PETERSBURG IN 2007.**
*Chernyaeva E. *, Dobrynin P. *, Pestova N. *, Matveeva N. †, Zhemkov V. †, Kozlov A. **
**Biomedical Center, †City TB Center, St.Petersburg, Russia.*
9. **MOLECULAR EPIDEMIOLOGY OF HIV-1 IN ST.PETERSBURG, RUSSIA**
Dukhovlinova E.¹, Solovjeva T.¹, Masharskiy A.¹, Chernyaeva E.¹, Verevochkin S.¹, Gagarina S.¹, Toussova O.¹, Volkova G.³, Klimov N.¹, Heimer R.², Kozlov A.¹
¹The Biomedical Center, St.Petersburg, Russian Federation, ²Yale University, New Haven, CT, USA, ³City AIDS Center, St.Petersburg, Russian Federation

- 10. ASSESSMENT OF KNOWLEDGE AND ATTITUDES REGARDING SAFE SEX AMONG CLIENTS OF STD DISPENSARIES**
Krasnoselskikh T.V., Shaboltas A.V., Skochilov R.V., and Abdalah, N.
Biomedical Center, St. Petersburg, Russia, and School of Epidemiology and Public Health, Yale University, USA
- 11. SINGLE-GENOME AMPLIFICATION ANALYSIS OF ENV GENE INTRAPATIENT DIVERSITY OF SUBTYPE A HIV-1 STRAINS AMONG ST. PETERSBURG IDUS WITH ACUTE AND EARLY HIV INFECTION**
Masharskiy A.¹, Verevochkin S.¹, Anderson J.², Hoffman I.², Cohen M.², Swanstrom R.², Kozlov A.¹
¹Biomedical Center and State Research Institute of Highly Pure Biopreparations, St. Petersburg, Russia, ²UNC Center for AIDS Research, University of North Carolina, Chapel Hill, North Carolina, USA.
- 12. THE SUPPLEMENTATION OF A MONOCLONAL ANTIBODY PANEL FOR DIAGNOSTICS OF VIRAL PARENTERAL HEPATITES**
Poryvaeva V.A., Agafonova O.A., Petrushkova O.S., Rukavishnikov M.P., Danilyuk N.K., Topychkanova N.G., Vtorushina I.A., Grishaev M.P.
JSC Vector-Best, Koltsovo, Novosibirsk region
- 13. PILOT PROGRAM OF CASE MANAGEMENT OF HIV-INFECTED INJECTION DRUG USERS IN NEED FOR ANTIRETROVIRAL THERAPY IN ST. PETERSBURG**
Shaboltas A.V., Skochilov R.V., Levchenko Yu.V., Hoffman I., Broun L., and Kozlov A.P.
Biomedical Center and St. Petersburg University, St. Petersburg
- 14. SOCIOLOGICAL STUDY OF SEXUAL PARTNERSHIPS OF NON-IDUS RECENTLY IDENTIFIED AS HIV POSITIVE IN ST. PETERSBURG, RUSSIA**
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- 15. HIV PREVALENCE IN POPULATION GROUPS RECRUITED BY RESPONDENT-DRIVEN SAMPLING IN ST. PETERSBURG.**
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- 16. AIDS AS A SOCIALLY IMPORTANT DISEASE AND INDICES OF THE MODERN THEORY OF MORBIDITY**
Uiba V.V., Maximov G.K., Maximov A.G.
MAPO, St-Peterburg
- 17. ASSESSMENT OF HIV-1 INCIDENCE AMONG DRUG USERS IN ST. PETERSBURG: LABORATORY METHODS VS. COHORT STUDIES**
Verevochkin S.V., Krasnoselskikh T.V., Masharskiy A.E., Shaboltas A.V., Toussova O.V., Heimer R., Hoffman I., Latkin K., and Kozlov A.P.
Biomedical Center, St. Petersburg, and University of North Carolina and Yale University, USA
- 18. MONITORING OF PREVALENCE AND INCIDENCE RATE OF HIV INFECTION AMONG IDUS IN ST.PETERSBURG, RUSSIA.**
Verevochkin SV., Timofeeva MYu., Gagarina SYu., Glubokovskaja MM., Krasnoselskikh TV., Toussova OV., Latkin C., Hoffman I., Niccolai L., Heimer R., Kozlov AP.
Biomedical Center, St.Petersburg, Russia.

DRUGS AND HIV PREVENTION**19. AN EXPERIENCE OF COHORT STUDY DESIGNED TO EVALUATE THE EFFECTIVENESS OF PREVENTIVE BEHAVIORAL PROGRAM FOR INJECTION DRUG USERS IN ST. PETERSBURG**

Levchenko Yu., Skochilov R., Shaboltas A., Sokolov N., Kozlov A., Tobin K, and Latkin K. Biomedical Center, St. Petersburg, Russia, and John Hopkins University, Baltimore, USA

HEMOTRANSFUSION-MEDIATED TRANSMISSION OF HIV AND OTHER VIRUSES**20. BLOOD TRANSFUSION SERVICE OF THE NORTHWEST REGION OF THE RUSSIAN FEDERATION IN 2007: PROBLEMS OF BLOOD DONATION AND INFECTIOUS SAFETY**

Krasniakov V.K., Schelkunova L.V., Stakhova N.V., and Vysotskaya M.V. St. Petersburg Municipal Blood Transfusion Station

21. APPROACHES TO IMPROVING OF BLOOD TRANSFUSION SERVICE OPERATION IN AN INDUSTRIAL AREA FOR THE SAKE OF INFECTIOUS SAFETY OF BLOOD COMPONENT THERAPY

Fedorov A.P., Stepanova V.N., Kosov A.I., Pilipaychik Yu. E., and Shadrina L.V. Municipal Blood Transfusion Station, Toliatti

22. VIRUS-SPECIFIC NUCLEIC ACIDS IN BONE MARROW SAMPLES FROM HEMATOLOGICAL PATIENTS

Ignatova Ye.N., Yaroslavtseva N.G., Garanzha T.A., Tikhomirov D.S., Tupoleva T.A., Romanova T.Yu., Grumbkova L.O., and Filatov F.P. Research Center of Hematology, Moscow

23. HHV-6 DETECTION IN CHRONIC RENAL FAILURE PATIENTS AND ALLOGENIC KIDNEY RECIPIENTS

*Suvorova P.A., Garanzha T.A., Tikhomirov D.S., Tupoleva T.A., Kolendo S.E. *, Sokolskiy A.S. **, Moseshvili E.G., Biriukova L.S., and Filatov F.P. Research Center of Hematology, *I.M. Sechenov Medical Academy, and *** Municipal Clinical Hospital No 7, Moscow.*

24. DIFFERENCES IN THE DETECTION OF EBV AND HHV6 DNA IN ACUTE MYELOBLASTIC AND LYMPHOBLASTIC LEUKEMIAS PATIENTS

Tikhomirov D.S., Garanzha T.A., Suvorova P.A., Tupoleva T.A., Gemdjan E.G., Kulikov S.M., and Filatov F.P. Research Center of Hematology, Moscow

ONCOLOGY**25. NITRIC OXIDE PRODUCTION IN RAT-1 CELLS INDUCED BY EPSTEIN-BARR VIRUS LMP1 GENE WITH MUTATIONS IN CANONICAL AND CRYPTIC HOS RECOGNITION SITES**

Diduk S.V., Smirnova K.V., Gurtsevitch V.E. N. N. Blokhin Cancer Research Center, Moscow, Russia

26. **EXPRESSION OF THE NINE TUMOR-ASSOCIATED NUCLEOTIDE SEQUENCES IN HUMAN NORMAL AND TUMOR TISSUES.**
*Krukovskaya L.L. *, Nosova J.K. *, Polev D.E. *, Baranova A.V. **, Galachyants Y.P. *, Samusik N.A. *, Kozlov A.P. **
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27. **DIFFERENTIAL REGULATION OF HUMAN APOLIPOPROTEIN A-I GENE EXPRESSION IN HEPATOCYTES AND MACROPHAGES UNDER THE INFLUENCE OF TNF α**
Mogilenko D.A.^{1,3}, Orlov S.V.^{1,3}, Dizhe E.B.¹, Chernova A.A.², Nagumanov V.K.^{1,3}, Perevozchikov A.P.^{1,3}
From the Department of Biochemistry¹ and Immunology², Institute of Experimental Medicine, Russian Academy of Medical Sciences, St. Petersburg, the Department of Embryology³, St. Petersburg State University, St. Petersburg
28. **IDENTIFICATION OF FULL-LENGTH NUCLEOTIDE SEQUENCE OF THE TUMOR-SPECIFIC TRANSCRIPT, WHICH IS MAPPED INTO OTP-GENE LOCUS.**
Nosova J.K., Polev D.Y., Chernyaeva E.N., Krukovskaya L.L., Kozlov A.P.
Biomedical Center, St.Petersburg, Russia
29. **COMPARATIVE GENOMICS ANALYSIS OF HUMAN TUMOR-RELATED TRANSCRIPTS.**
Samussik N., Galachyants Y., Kozlov A.
The Biomedical Center, St. Petersburg, Russia
30. **COMPARATIVE GENOMIC ANALYSIS OF OF SEQUINCES EXPRESSED IN HUMAN TUMORS AND IN SOME NORMAL TISSUES**
Shilov E.S., Krukovskaya L.L., Galachyants Y.P., Samusik N.A., Dukhovlinov I.V., Kozlov A.P.
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