

Short Program
VI International Conference
"AIDS, Cancer and Related Problems"
St. Petersburg, Russia
May 18-22,1998

Hotel "Saint Petersburg"

<i>Monday, 18 May 98</i>		
Time	CONCERT HALL	HOTEL HALL, 2ND FLOOR
10:00-10:30	<i>Opening of the Conference, granting awards.</i> <i>Chairpersons: A. P. Kozlov, Yu. T. Kalinin</i>	
10:30-11:00	First prizewinner talk	
11:00-11:30	Second prizewinner talk	
11:30-12:00		Opening of the Exhibition
12:00-13:00	LUNCH ON YOUR OWN	
13:00-17:00	<i>Opening Plenary Session</i> <i>Chairpersons: A. P. Kozlov and I. G. Sidorovich</i> <i>A. P. Kozlov: Conference-98: The policy of active preventive intervention in HIV/AIDS</i> <i>M. I. Narkevich: HIV infection in Russia</i> <i>S. A. Chaplinskas: HIV infection in Lithuania</i> <i>L P. Titov: HIV-infection in Belarus</i> <i>E. V. Karamov: Biological characteristics of Russian HIV isolates</i> <i>J, Whitescarver: Scientific priorities of National Institutes of Health AIDS Research Program</i> <i>C. Heilman: HIV vaccine development</i> <i>ft Ryder: Obstacles in the development of a prophylactic HIV vaccine</i> <i>J. P. Grund: HIV Prevention in Russia: another band plays on?</i> <i>E. Pedersen: Nucleic acid junctions as possible antisense targets</i>	
17:00-18:00	<i>Press-conference</i>	
18:00	<i>Reception</i>	

Tuesday, 19 May 98

Time	GLASS HALL	WHITE HALL	JJLUE HALL
9:00-12:00	HIV VACCINE Chairpersons: <i>A. P. Kozlov</i> <i>A. A. Vorobyev</i>	<i>Pathogenesis and clinical problems of AIDS and cancer</i> Chairpersons: <i>M. N. Papuashvili</i> <i>Ye. Ye. Voronin</i>	
12:00-13:20	PLENARY LECTURES Chairpersons: <i>A. P. Kozlov</i> <i>I. G. Sidorovich</i> <i>C. Vella: Advances in the pathogenesis and treatment of HIV infection</i> <i>P. Hoff: Emerging and re-emerging infectious diseases (EREIDs)</i> <i>P. Herdewijn: Peptide libraries for the discovery of DNA-binding ligands</i>		
13:20-14:00	LUNCH ON YOUR OWN		
14:00-18:00	<i>Basic and molecular aspects of cancer</i> Chairpersons: <i>A. V. Itkes,</i> <i>M. Zajac-Kaye</i> <i>A. P. Perevozchikov</i>		2nd Russia-US Workshop "Emerging and Re-emerging Infectious Diseases" Chairpersons: <i>A. P. Kozlov,</i> <i>K. Western</i> <i>P. Hartsock</i>
14:15-18:00		CONCERT HALL SATELLITE SYMPOSIUM DEVELOPING AN EFFECTIVE RESPONSE TO THE EMERGING HIV EPIDEMIC AMONG IDUs IN RUSSIA Chairpersons: <i>J.-P. Grund,</i> <i>V. F. Yegorov</i> <i>A. P. Kozlov</i>	

Time

Wednesday, 20 May

9:00-13:00

GLASS HALL

WHITE HALL

*Molecular and Cellular
Biology of HIV infection*

Chairpersons:

E. V. Karamov

A. G. Pokrovskiy

SATELLITE SYMPOSIUM
DEVELOPING AN EFFECTIVE
RESPONSE TO THE EMERGING HIV
EPIDEMIC AMONG IDUs IN RUSSIA

Chairpersons: *U. Weber*

J.-P. Grund,

D. Ostrovskiy

BLUE HALL

13:00- 14:00

LUNCH ON YOUR OWN

14:00-18:00

*Molecular design, directed
synthesis, and manufacturing of
substances and medicines for
HIV/AIDS*

Chairpersons: *V. A. Ostrovskiy, E.*

Pedersen A. A.

Krayevskiy

**COMMERCIAL
SYMPOSIUM**

L. P. Korobitsyn:

**Manufacturing and clinical
application of a recombinant
human erythropoietin**

M. I. Yelagina

**Standardization of routine
molecular-biological methods
with the optimal equipment
price-to-performance ratio**

V. V. Baturin

Russian AZT

2nd Russia-US
Workshop

**"Emerging and
Re-Emerging Infectious
Diseases"**

Chairpersons:

A. P. Kozlov, K.

Western P.

Hartsock

<i>Thursday, 18 May 98</i>				
Time	GLASS HALL	WHITE HALL	BLUE HALL	HOTEL HALL, 2 nd floor
9:00-11:00				POSTER SESSION
11:00-13:00	<i>Laboratory diagnostics and monitoring of HIV infection and associated diseases</i> Chairperson: <i>I. G. Sidorovich</i>	<i>Regional programs</i> Chairperson: <i>I. S. Valitov</i> <i>I. G. Postolenko</i>		
13:00-14:00	LUNCH ON YOUR OWN			
14:00-18:00		Round table: <i>Social, legal and philosophical issues of HIV/AIDS</i> Chairpersons: <i>A. A. Demidov S. A. Chaplinskas</i>	2 nd Russia-US Workshop "Emerging and Re- Emerging Infectious Diseases" Chairpersons: <i>A. P. Kozlov, K. Western P. Hartsock</i>	

Friday, 22 May 98

Time	GLASS HALL	WHITE HALL
9:00-11:00	<i>Epidemiology of HIV infection</i> Chairperson: <i>P. G. Rytik</i>	<i>Cytokines in AIDS, cancer and other diseases</i> Chairpersons: <i>A. S. Simbirtsev S. A. Ketlinskiy</i>
11:15-13:00	<i>HTLV, HHV6, HHV7, and HHV8</i> Chairperson: <i>V. Gurtsevich</i>	<i>Biotechnology</i> Chairperson: <i>Ye. N. Sventitskiy</i>
13:00-14:00	LUNCH ON YOUR OWN	
14:00-16:00	<i>New technologies</i> Chairperson: <i>V. LEvtushenko</i>	Round table 2: <i>Social, legal and philosophical issues of HIV/AIDS</i> Chairpersons: <i>G. A. Krimenskiy A. A. Demidov</i>
16:00-17:00	Experimental and theoretical biology Chairperson: <i>A. P. Kozlov</i>	
17:00-18:00	<i>Meeting of Association against HIV/AIDS</i> <i>Closing the Conference</i> Chairperson: <i>A. P. Kozlov</i>	

Program
VI International Conference
'AIDS, Cancer and Related Problems'
St. Petersburg, Russia
May 18-22,1998

Monday, 18 May

10:00-11:30 Concert Hall

OPENING OF THE CONFERENCE

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

GRANTING AWARDS OF ASSOCIATION AGAINST HIV/AIDS FOR OUTSTANDING CONTRIBUTION TO FIGHTING AGAINST AIDS. PRIZEWINNERS TALK

11:30~12:00 Opening of the exhibition

12:00-13:00 Lunch

13:00-17:00 **OPENING PLENARY SESSION**

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

CONFERENCE-98: THE POLICY OF ACTIVE PREVENTIVE INTERVENTION IN HIV/AIDS

A. P. Kozlov - Association against HIV/AIDS; Biomedical Center, Research Institute of Pure Biochemicals, St. Petersburg, Russia

HIV INFECTION IN RUSSIA

M. I. Narkevich - HIV/AIDS National Coordinator, Moscow, Russia

HIV INFECTION IN BELARUS

L. P. Titov - Research Institute of Epidemiology, Minsk, Belarus

HIV INFECTION IN LITUANIA

S. A. Chaplinskis - AIDS Center, Vilnius, Lithuania

BIOLOGICAL CHARACTERISTICS OF RUSSIAN HIV ISOLATES

E. V. Karamov - I. I. Ivanovskiy Research Institute of Virology, Moscow, Russia

SCIENTIFIC PRIORITIES OF NATIONAL INSTITUTES OF HEALTH AIDS RESEARCH PROGRAM

J. Whitescarver - NIH Office of Aids Research, USA

HIV VACCINE DEVELOPMENT

C. Heilman- Division of AIDS, NIAID, USA

OBSTACLES IN THE DEVELOPMENT OF A PROPHYLACTIC HIV VACCINE

R. Ryder - Yale University, USA

HIV PREVENTION IN RUSSIA: ANOTHER BAND PLAYS ON?

J.-P. Grund - Director, International Harm Reduction Development, Open Society Institute, New York, NY, USA

NUCLEIC ACID JUNCTIONS AS POSSIBLE ANTISENSE TARGETS

E. Pedersen - Odense University, Denmark

Tuesday, 19 May

9:00-12:00, Glass Hall

SESSION 1. VACCINE AGAINST HIV

Chairpersons: A. P. Kozlov, and A. A. Vorobyev

1. RUSSIAN HIV VACCINE PROJECT

A. P. Kozlov - Biomedical Center; Research Institute of Pure Biochemicals, St. Petersburg, Russia

2. PREDOMINANCE OF NON-B SUBTYPES OF HIV-1 IN COUNTRIES OF FSU

A. A. Nabatov, A. E. Masharsky, A. V. Emeljanov, S. V. Verevchkin, L. L. Krukovskaya, A. P. Kozlov - Biomedical Center; Research Institute of Pure Biochemicals, St. Petersburg, Russia

3. BUILDING A COLLECTION OF PRIMARY HIV ISOLATES AND DEFINING CRITERIA FOR THE CHOICE OF HIV STRAINS TO BE USED IN THE DEVELOPMENT OF A KILLED WHOLE-VIRUS VACCINE

E. V. Karamov - D. I. Ivanovskiy Research Institute of Virology, Moscow, Russia

4. ARTIFICIAL IMMUNIZING AGENTS

5. I. Bazhan - "Vektor" State Scientific Center of Virology and Biotechnology, Koltsovo, Novosibirsk Region, Russia

5. DESIGNING OF RECOMBINANT VIRUSES AS CANDIDATE LIVE HIV VACCINES

5. N. Schelkunov, O. I. Pjazankina, V. A. Ageyenko, L. R. Shevliagina, and I. P. Dmitriyev- "Vektor" State Scientific Center of Virology and Biotechnology, Koltsovo, Novosibirsk Region, Russia

6. BIOLOGICAL CRITERIA OF VACCINE STRAINS SELECTION FOR VECTOR VACCINES

S. S. Marennikova — "Vektor" State Scientific Center of Virology and Biotechnology, Koltsovo, Novosibirsk Region, Russia

7. CONSTRUCTION OF A FUSED PROTEIN ENV-LFN FOR THE INDUCTION OF SPECIFIC CTL RESPONSE AGAINST HIV-1

A. N. Noskov, G. M. Titareva, L. N. Shingarova, I.V. Bahteeva, and A. P. Kozlov - State Research Center for Applied Microbiology, Obolensk, Serpukhov district, Moscow region; ^Research Institute of Pure Biochemicals, St. Petersburg, Russia*

8. A STUDY OF DIFFERENT CANDIDATE IMMUNIZING AGENTS FOR THE DEVELOPING OF AN HIV VACCINE

*KlimovN. A. **, YeroshkinA. M., Yeroshkina G.A., Kashentseva Ye. A., DjachkovaL. E., Ignatyev G. M., Bondarenko, V. N., Konstantinov A. P., Bazhan S. L, Pavlova T.V. *, Schelkanov M.Yu. * Burunova V. V. *, Abelian A.V. * Karamov E. V. * Verevchkin S. V. **, KotovA. Yu. **, PigarevaN. V. **, Simbirtseva S. **, Kozlov A. P.**- "Vektor" State Scientific Center of Virology and Biotechnology, Koltsovo, Novosibirsk Region; * D. I. Ivanovskiy Research Institute of Virology, Moscow; ** Research Institute of Pure Biochemicals, St. Petersburg, Russia*

9. HIV VACCINE: AN IMMUNOLOGIST'S VIEW

S. A. Ketlinskiy — Research Institute of Pure Biochemicals, St. Petersburg, Russia

10. LARGE-SCALE HIV CULTURING FOR WHOLE-VIRUS KILLED VACCINE PRODUCTION

A. G. Pokrovskiy - "Vektor" State Scientific Center of Virology and Biotechnology, Koltsovo, Novosibirsk Region, Russia

11. PRODUCTION OF HIV-1 VIRUS-LIKE PARTICLES FROM A PRIMARY ISOLATE AS A CANDIDATE VACCINE IN HUMAN TRIALS

*M. Graf, S. Yiming * L. Demi, T. Seidl, H. Wolf, and R Wagner - Institut für Medizinische Mikrobiologie, Klinikum Regensburg, Franz-Josef-Strauß Allee 11, 93053 Regensburg, Germany; ^Chinese Academy of Preventive Medicine, Beijing, China*

12. CONSTRUCTION OF ATTENUATED *SALMONELLA* STRAINS THAT EXPRESS TBI PROTEIN

Karpenko L.I., Eroshkin A.M., Seregin C. C., Kozhina E.M., Ilyichov A.A - Research Institute of Bioengineering; "Vector", State Research Center of Virology and Biotechnology Novosibirsk Region, Koltsovo, 633159, Russia

9:00-12:00 Glass Hall

SESSION 2. PATHOGENESIS AND CLINICAL PROBLEMS OF AIDS AND CANCER

Chairpersons: M. N. Papuashvili and Ye. Ye. Voronin

1. DIUCIFON IN COMBINATORY ANTIFUNGAL THERAPY

M. N. Papuashvili - Institute of Immunology, Ministry of Health, Moscow, Russia

2. CLINICAL TRIAL OF IMUNOFAN AS AN IMMUNOCORRECTIVE AGENT FOR THE TREATMENT OF HIV-INFECTED AND AIDS PATIENTS

V. D. Prokopenko, M. N. Papuashvili, T. M. Shelepova, E. V. Zebrev, and C. S. Ibikunle - Institute of Immunology, Ministry of Health, Moscow, Russia

3. IMPACT OF COMBINATION ANTIRETROVIRAL THERAPY, INCLUDING PROTEASE INHIBITORS ON SURVIVAL OF HIV-INFECTED INDIVIDUALS IN THE UNITED STATES

R Ryder-Yale University, USA

4. HOMO/HETEROLOGOUS NEUTRALIZATION OF HIV-1 ON DIFFERENT STAGES OF INFECTION

A. V. Abelian, E. V. Karamov — D.I. Ivanovskiy Institute of Virology, Moscow, Russia

5. PCR MONITORING OF HIV RNA IN THE PERIPHERAL BLOOD OF PATIENTS AS A METHOD FOR EVALUATING THE EFFICACY OF COMBINED ANTIRETROVIRAL THERAPY

V. M. Kopylov, B. M. Gruzdev, A. Ya. Olshansky, V. A. Golikov - Moscow City Center for AIDS Treatment and Prevention, Moscow, Russia

6. COMPARATIVE STUDY OF CLINICAL DIAGNOSIS CORRELATES AND DETECTION OF SOME PROGNOSTIC HIV MARKERS IN AIDS PATIENTS

E. N. Kislykh, S. N. Antonyak, M. Yu. Vatamanyuk, E. V. Maximenok, N. P. Chentsova - Ukrainian Center of AIDS prevention and control, Kiev, Ukraine

7. PREVALENCE OF HEPATITIS C AND B IN PATIENTS INFECTED BY HIV VIA DIFFERENT ROUTS OF TRANSMISSION (MOSCOW, 1996-1997)

/ A. Simonova, A. V. Kravchenko, G. Ya. Pankova, N. M. Brodovskaya, A. Ya. Olshansky - Moscow City Center for AIDS Treatment and Prevention, Moscow, Russia

8. ANALYSIS OF BIOLOGICAL PHENOTYPE OF AZT-RESISTANT WILD HIV-1 ISOLATES

T. A. Pashkova, M. N. Papuashvili, A. V. Kozlova, N. G. Yaroslavtseva, G. V. Kornilayeva, E. V. Karamov - D. I. Ivanovskiy Institute of Virology, Hematological Research Center, Institute of Immunology, Moscow, Russia

12:00-13:00 Glass Hall

SPECIAL LECTURES

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

EMERGING AND RE-EMERGING INFECTIOUS DISEASES

P. Hoff-NIAID, USA

ADVANCES IN STUDYING THE PATHOGENESIS AND TREATMENT OF HIV INFECTION

C. Vella - Institute Superiore di Sanita, Italy

PEPTIDE LIBRARIES FOR THE DISCOVERY OF DNA-BINDING LIGANDS

P. Herdewijn - Katholieke Universiteit Leuven, Belgium

14:00-18.00 Glass Hall

SESSION 3. BASIC AND MOLECULAR ASPECTS OF CANCER

Chairpersons: A. V. Itkes, M. Zajac-Kaye, and A. P. Perevozchikov

1. MAJOR GROUPS OF HUMAN ONCOGENES AND MECHANISMS OF REGULATION OF THEIR ACTIVITY

A. V. Itkes - Faculty of Medicine, People Friendship University, Moscow, Russia

2. TUMOR SUPPRESSOR GENES

P. Chumakov - Oncological Scientific Center, Moscow

3. MYC BINDING FACTORS AND PROTEIN INTERACTIONS

M. Zajac-Kaye — Department of Developmental Therapeutics, Medicine Branch, National Cancer Institute, NIH, Bethesda, MD, USA

4. A COMPARATIVE STUDY OF HUMAN CANCER CELL TRANSCRIPTION FACTORS THAT BIND TO THE GCC-ELEMENT *A. P. Perevozchikov, S. V. Orlov ~ Research Institute for Experimental Medicine, St. Petersburg, Russia*

5. HERV-K FAMILY OF HUMAN ENDOGENOUS RETROVIRUSES: DISTRIBUTION IN HUMAN GENOME AND POSSIBLE ROLES IN GENE REGULATION IN NORMAL AND TRANSFORMED CELLS

Yu. B. Lebedev, T. V. Vinogradova, P. P. Khil, I. V. Lavrentieva, S. B. Akopov, E. D. Sverdlov - Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia

6. TRANSCRIPTION OF HOMOLOGUES TO THE ENV GENE OF MMTV IN HUMAN PERIPHERAL BLOOD T-LYMPHOCYTES AS A SPECIFIC MARKER OF HUMAN MAMMARY CANCER

P. Mahov, I. Kriukova, T. Malivanova, and S. Shchekourova - Research Institute of Cancerogenesis, Oncological Scientific Center, Moscow

7. 5-BROMODEOXYURIDINE AS AN INITIATOR IN TWO-STEP CARCINOGENESIS

V. N. Anisimov - Lab. Experimental Tumors, N. N. Petrov Research Institute of Oncology, Pesconhy-2, St. Petersburg, Russia

8. CHROMOSOME 6 ALLELIC IMBALANCE IN PATIENTS WITH CERVICAL CANCER

M. Attaleb, T. Gritsko, L. Semenova, L. Pavlova, N. Mazurenko - Research Institute of Cancerogenesis, Oncological Scientific Center, Moscow

9. THE DISCOVERY OF NEWLY EVOLVING DNA SEQUENCES BY STUDYING TUMOR SPECIFIC GENES

A. A. Nabatov, A. V. Emeljanov, A. E. Masharsky, L. L. Krukovskaya, A. P. Kozlov - Biomedical Center; Research Institute of Pure Biochemicals, St. Petersburg, Russia

14:00 - 18:00 Concert Hall

SATELLITE SYMPOSIUM DEVELOPING AN EFFECTIVE RESPONSE TO THE EMERGING HIV EPIDEMIC AMONG IDUs IN RUSSIA

Symposium organizers: Lindesmith Center of the Open Society Institute, Association against HIV/AIDS, Biomedical Center

14:15 OPENING THE SYMPOSIUM

J.-P. Grund(New York, USA) and A. P. Kozlov (St. Petersburg, Russia)

14:15-16:30

SESSION A TALE OF TWO CITIES: THE INTRODUCTION OF PRAGMATIC DRUGS AND AIDS POLICIES IN FRANKFURT (GERMANY) AND ODESSA (UKRAINE) IN RESPONSE TO AIDS AMONG INJECTING DRUG USERS

Chairpersons: Jean-Paul Grund and Vladimir Egorov

Speakers:

WHEN A VIRUS CHALLENGES DRUG POLICY - THE FRANKFURT EXPERIENCE

Margaret Nimsch, former Minister of Health of the State ofHessen and former Health Commissioner of the City of Frankfurt on Main, Germany

WHEN A VIRUS DISOBEYS THE LAW: A PUBLIC PROSECUTOR'S POINT OF VIEW

Harold-Hans Koerner, Public Prosecutor for the State ofHessen, Germany

CHANGES - ARRANGEMENT - RESISTANCE: THE REALIZATION OF A NEW MODEL OF DRUG HELP SERVICES

Volker Happel, Chairman Integrative DrogenHilfe and Professor of Social Work, University for Applied Social Sciences, Frankfurt, Germany

HIV PREVENTION WORK EXPERIENCE AMONG INJECTING DRUG USERS IN ODESSA REGION

Valida Loseva, vice chief of Odessa region Health Department

THE ROLE OF THE NGO IN RESPONSE TO THE AIDS EPIDEMIC (ODESSA EXPERIENCE)

Tatiana Semikop, Chief of Juvenile Criminal Police ofLeninsky District of Odessa, the head of public movement "Vera, Nadezhda, Lubov"

HARM REDUCTION AMONG INJECTING DRUG USERS IN ODESSA

Natala Kytsenko, Coordinator of HR project in Odessa

EXPERIENCE OF OUTREACH WORK IN IDUS COMMUNITY. PEER EDUCATION

Dmitry Lutzenko, Odessa

16:30-18:00

**SESSION PROSPECTS OF IMPLEMENTING THE HARM REDUCTION STRATEGY IN RUSSIA
UNDER THE PRESSURE OF HIV/AIDS EPIDEMIC AND THE NEW LAW AGAINST
ILLEGAL DRUG USE**

Chairpersons: G. Zazulin and L. Shpilenia (St. Petersburg, Russia)

Speakers:

**THE ST. PETERSBURG NEEDLE EXCHANGE PROGRAM: IMPLEMENTATION AND FIRST
RESULTS**

Dmitri Ostrovski

CURRENT PROBLEMS OF DRUG POLICY IN RUSSIA

Georgiy Zazulin

PREVENTION OF DRUG ADDICTION IN ST. PETERSBURG: PROBLEMS AND PROSPECTS

Leonid Shpilenia

THE CITY PROGRAM OF PREVENTING DRUG ADDICTION IN ST. PETERSBURG, 1998-2000

Natalia Yevdokimova

Discussants: A. Fimushkin (St. Petersburg, Russia), E. Strelchenko (Vyborg, Russia) A

visit to St. Petersburg Needle Exchange Bus

14:00-18:00 Blue Hall

2nd Russia-US Workshop

"EMERGING AND RE-EMERGING INFECTIOUS DISEASES"

Chairpersons: A. P. Kozlov (Russia), K. Western (NAID, USA), and P. Hartsock (NIDA, USA)

Wednesday, 20 May

9:00-13:00 Glass Hall

**SATELLITE SYMPOSIUM DEVELOPING AN EFFECTIVE RESPONSE TO THE EMERGING HIV
EPIDEMIC AMONG IDUS IN RUSSIA**

*Symposium organizers: Lindesmith Center of the Open Society Institute, Association against
HIV/AIDS, Biomedical Center*

9:00-11:00

**SESSION THINK GLOBALLY, ACT LOCALLY: A GLOBAL RESEARCH PERSPECTIVE AND
EXAMPLES OF RUSSIAN CITIES IMPLEMENTING 'INTERNATIONAL BEST
PRACTICE' IN HIV PREVENTION AMONG IDUS**

Chairpersons: Urban Weber (Integrative DrogenHilfe, Frankfurt, Germany) and Dmitriy Ostrovskiy (St. Petersburg, Russia)

Speakers:

SYRINGE EXCHANGE: KEY FINDINGS, WHAT WE KNOW FROM SCIENCE

Denise Paone, Assistant Director of Research, Beth Israel Medical Center, and Assistant Professor of Epidemiology and Social Medicine, Albert Einstein School Of Medicine, New York, NY, USA

THE MSF AIDS OUTREACH PROJECT: IMPLEMENTATION AND FIRST RESULTS

Anna Alexandrova, Medecins Sans Frontieres/Holland, Moscow, Russia

COMBATING HIV IN RUSSIA AMONG INJECTION DRUG USERS: IMPACT RESULTS OF THE YAROSLAVL NEEDLE EXCHANGE AND PEER-DRIVEN INTERVENTION

Tatyana Rumantseva, Director, Friends Helping Friends, Yaroslavl

Discussant: *Adrian Reynolds, UNAIDS Consultant, Board Member, Public Health Initiative, Open Society Institute, Moscow*

11:00-14:00

SESSION RAPID - THE RUSSIAN AIDS PREVENTION INITIATIVE/DRUGS

Chairpersons: Jean-Paul Grund (New York, NY, USA) and Andrei Kozlov (St. Petersburg, Russia)

Speakers:

PSYCHOLOGICAL WORK WITH ACTIVE STREET DRUG ADDICTS AIMED AT MOLDING SAFER BEHAVIORAL HABITS

Olga Tiusova, St. Petersburg, Russia

THE MSF TRAINING PROGRAM ON HIV/AIDS PREVENTION STRATEGIES AMONG INJECTING DRUG USERS IN THE RUSSIAN FEDERATION

Murdo Bijl, Medecins Sans Frontieres/Holland, Moscow, Russia

RAPID SITUATION ASSESSMENT: METHODOLOGY AND FIRST RESULTS FROM SELECTED RUSSIAN CITIES

Dave Burrows, Principal Training Consultant, Medecins Sans Frontieres/Holland, Moscow, Russia

THE INTERNATIONAL HARM REDUCTION DEVELOPMENT PROGRAM OF THE OPEN SOCIETY INSTITUTE IN CENTRAL AND EASTERN EUROPE

Noah Simmons, Special Advisor, International Harm Reduction Development, Open Society Institute, New York, NY, USA

IMPLEMENTING SECOND GENERATION AIDS PREVENTION PROJECT IN RUSSIA: HOW THE YAROSLAVL "FRIENDS HELPING FRIENDS" PROJECT OPERATES

Robert Broadhead, Professor of Sociology, University of Connecticut, Storrs, Connecticut, USA

FROM MARSEILLES TO ST. PETERSBURG: NEEDLE EXCHANGE BUSES FACING THE LAW AND THE INSTITUTIONS

Beatrice Stambul, Medecins Du Monde, Marseilles, France

INSTITUTIONAL FUNDERS AND THEIR IMPACT ON IMPLEMENTING NEW AIDS PREVENTION APPROACHES IN THE CEE/NIS - WORLD BANK RECOMMENDATIONS AND OSI PRACTICE

Urban Weber, Integrative DrogenHilfe, Frankfurt, Germany

Discussant: *Arkadiusz Majszyk, UNAIDS Representative in the Russian Federation, Moscow, Russia*

9:00-13:00 White Hall

SESSION 4. MOLECULAR AND CELLULAR BIOLOGY OF HIV INFECTION

Chairpersons: *E. V. Karamov and A. G. Pokrovskiy*

1. SEROTYPING OF HIV SUBTYPES IN UKRAINIAN HIV-INFECTED INDIVIDUALS USING MAPS (MULTIPLE ANTIGEN PEPTIDES) CONFIRMS THE PERSISTING SITUATION OF DIFFERENT HIV-1 SUBTYPE PRESENCE IN DIFFERENT CITIES

A. E. Masharsky, A. A. Nabatov, S. V. Verevochkin, E. N. Maximenok, V. R. Studzinsky*, L. N. Popova*, E. I. Glushkova*, N. P. Tchentsova*, A. M. Scherbinskaya*, Yu. V. Kobyscha*, A. P. Kozlov - Biomedical Center; Research Institute of Pure Biochemicals, Saint-Petersburg, Russia; ^National Committee for Prevention of Drug Abuse and AIDS, Kiev, Ukraine*

2. DIVERSITY OF HIV SEROTYPES IN DIFFERENT RISK GROUPS IN MOSCOW

S. Verevochkin, A. Nabatov, A. Masharsky, A. Olshansky, G. Pankova*, R. Yakovets*, V. Golikov* and A. Kozlov - Biomedical Center; Research Institute of Pure Biochemicals, St. Petersburg; ^Moscow City Center for AIDS Treatment and Prevention, Moscow, Russia*

3. MOLECULAR PORTRAIT OF HIV-1 EPIDEMIC ON THE TERRITORY OF FORMER USSR

N. G. Yaroslavtseva, M. Yu. Schelkanov, E. V. Karamov - D, I, Ivanovskiy Research Institute of Virology, Moscow, Russia

4. NUCLEOSIDE ANALOG RESISTANT MUTANTS OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)

O. A. Plyasunova, T. V. Il'ina, A. G. Pokrovsky - Institute of Molecular Biology, "Vector" State Research Center of Virology and Biotechnology, Koltsovo, Novosibirsk Region, Russia

5. HIV-INFECTED CELL DEHYDROGENASE ACTIVITY AND ITS RELATIONSHIP WITH BIOLOGICAL PROPERTIES OF DIFFERENT HIV-1 VARIANTS

M. Yu. Shchelkanov¹, V. Ph. Eremin², T. A. Pashkova¹, A. V. Abelian¹, L. B. Sakhuria¹, V. V. Burunova^{1,3}, T. V. Pavlova¹, E. B. Eruslanov^{1,4}, G. V. Kornilayeva¹, E. V. Karamov¹ - ¹D.I. Ivanovskiy Institute of Virology, Moscow, Russia; ² Institute of Epidemiology and Microbiology, Minsk, Byelorussia; ³ Moscow State University, Moscow, Russia; ⁴ Russian State Medical University, Moscow, Russia

6. RELATIONSHIPS BETWEEN THE SPECTRUM OF CELL TROPISM, CHARACTERISTICS OF VIRUS-INDUCED CYTODESTRUCTION, AND CLINICAL CORRELATES OF PRIMARY HIV-1 ISOLATES

L. B. Sakhuria¹, M. Yu. Shchelkanov¹, V. V. Bumnova¹, A. V. Abelian¹, T. V. Pavlova¹, E. V. Ivannikov², V. A. Golikov², G. V. Kornilayeva¹, E. V. Karamov¹ - ¹D.I. Ivanovskiy Institute of Virology, Moscow, Russia; ² Clinical Infectious Hospital N2, Moscow, Russia

7. VARIABILITY OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 LONG TERMINAL REPEATS.

N. M. Gashnikova, T. V. Il'ina, A. G. Pokrovsky - Institute of Molecular Biology, "Vektor", State Research Center of Virology and Biotechnology, Koltsovo, Novosibirsk region, Russia

14:00-18:00 Glass Hall

SESSION 5. MOLECULAR DESIGN, DIRECTED SYNTHESIS, AND MANUFACTURING OF SUBSTANCES AND MEDICINES FOR HIV/AIDS

Chairpersons: *V. A. Ostrovskiy, E. Pedersen, and A. A. Krayevskiy*

1. ADVANCES IN THE ORGANIC SYNTHESIS OF THERAPEUTIC DRUGS FOR HIV/AIDS

V. A. Ostrovskiy - State Technological Institute, St. Petersburg

2. AIDS DRIVEN SYNTHESSES OF PYRIMIDINES OF THE KEPT TYPE

E. B. Pedersen, K. Daneland, E. Larsen - Department of Chemistry, Odense University, DK-5230 Odense M, Denmark

3. DESIGN AND SYNTHESIS OF CONFORMATIONALLY RESTRICTED HIV PROTEASE INHIBITORS

A. D. Abel. - University of Canterbury, New Zealand

4. DESIGN OF NUCLEOTIDE INHIBITORS OF HIV REPRODUCTION INDEPENDENT OF INTRACELLULAR PHOSPHORYLATION

A. A. Krayevsky, N. B. Dyatkina, L. S. Victorova, K. A. Shirokova, A. A. Arzumanov, A. V. Shipitsin, M. V. Jasko - Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow, Russia

5. DEVELOPMENT OF THE NEW GENERATION OF DRUGS, WHICH USE MOLECULAR TRANSPORTING SYSTEMS OF CELL MEMBRANES

A. M. Yurkevich, Yu. G. Kirillova, M. V. Chudinov, N. S. Shastina - Lomonosov Academy of Fine Chemical Technology, Moscow, Russia

6. THE INFLUENCE OF STRUCTURAL CHARACTERISTICS OF TETRAZOLE-CONTAINING POLYMERS ON THEIR FORMATION AND PROPERTIES OF THEIR AQUEOUS SOLUTIONS

V. N. Kizhnyayev, O. P. Gorkovenko, A. I. Smirnov - Irkutsk State University, Irkutsk, Russia

7. ADAMANTYLATION OF HETEROCYCLIC COMPOUNDS

Ye. L. Golod, M. S. Pevzner, V. V. Sarayev, and A. S. Gavrilov - St. Petersburg State Technological Institute, St. Petersburg, Russia

8. BIOTRANSFORMABLE MONO- AND BIS-ALCOXYALKYL AMMONIUM SALTS OF TERTIARY AMINES AS PROMEDICINES

L. I. Prokopenko, A. Yu. Silin, S. M. Chigariova, S. M. Ramsh - Institute of Toxicology, Ministry of Public Health, Russia

9.1,3,4-BENZOTRIAZEPINES

G. I. Koldobskiy, V. A. Ostrovskiy - St. Petersburg State Technological Institute, St. Petersburg, Russia

14:00-18:00 Blue Hall 2nd

Russia-US Workshop**EMERGING AND RE-EMERGING INFECTIOUS DISEASES**

Chairpersons: A. P. Kozlov (Russia), K. Western (NIAID, USA), and P. Hartsock (NIDA, USA)

14:00 White Hall

COMMERCIAL SYMPOSIUM

Chairperson I. G. Sidorovich

MANUFACTURING AND CLINICAL APPLICATION OF A RECOMBINANT HUMAN ERYTHROPOIETIN

L. P. Korobitsyn - "Protein Contour" Co.; Research Institute of Pure Biochemicals, St. Petersburg

FEASIBILITY OF STANDARDIZING ROUTINE BIOMOLECULAR TECHNIQUES UNDER OPTIMUM EQUIPMENT PRICE TO QUALITY RATIO

M. I. Yelagina - LabMetod, Moscow

RUSSIAN AZT

V. V. Baturin - AZT Assosiation, Moscow

Thursday, 21 May

9:00-11:00 Hotel Hall

POSTER SESSION

11:00-13:00 Glass Hall

SESSION 6. LABORATORY DIAGNOSTICS AND MONITORING OF HIV INFECTION AND ASSOCIATED DISEASES

Chairperson: I. G. Sidorovich

1. SYNTHESIS OF MULTIPEPTIDES, ADJUVANTS AND SPACERS

7. N. Sbitneva, L. Yu. Sklyarov, N. A. Kopina and I. G. Sidorovich - Institute of Immunology, Moscow, Russia

2. COMPARATIVE ESTIMATION OF THE IMMUNOFLOUORESCENCE REACTION AND THE POLYMERASE CHAIN REACTION IN THE DIAGNOSTICS OF MYCOPLASMOSIS AND UREAPLASMOSIS

A. A. Porin, E. V. Belousova, A. G. Boitsov, O. N. Lastovka, E. A. Shilova - Microbiology Department, I.I. Mechnikov St. Petersburg State Medical Academy, St. Petersburg, Russia

3. HIV-1 SEROTYPES IN MOSCOW

V. V. Burunova^{1,3}, M. Yu. Shchelkanov^{1,4}, A. N. Yudin¹, A. P. Gorbacheva¹, A. A. Slavsky^{1,4}, A. V. Abelian^{1,2}, A. Ya. Olshansky², V. A. Golikov², N. G. Yaroslavtseva¹, E. V. Karamov¹ - ¹D. I. Ivanovskiy Institute of Virology, Moscow, Russia; ²Clinical Infectious Hospital NQ2, Moscow, Russia; ³Moscow State University, Moscow, Russia; ⁴Moscow Institute of Physics and Technology, Dolgoprudny, Moscow, Russia

4. DIAGNOSTIC SIGNIFICANCE OF VIRONOSTICA HIV UNI-FORM II (ORGANON TEKNICA) TEST SYSTEM FOR TESTING SERA FOUND TO BE DOUBTFUL WHEN DETERMINING ANTIBODIES TO HIV WITH IMMUNOBLOT TECHNIQUES

L. P. Trubchaninova, N. F. Trefilieva, M. E. Ishchenko, O. A. Shcherbakova - Research Center of Immunology, Moscow, Russia

5. PREPARATION OF STANDARD PLATES OF SERA BY EXHAUSTION WITH DIFFERENT HIV ANTIGENS

*N. V. Fedyuk, A. G. Pokrovsky, G. A. Lomanova * M. S. Vorobyova* - Institute of Molecular Biology, State Scientific Center of Virology and Biotechnology "Vector", Koltsovo, Novosibirsk region; *Tarasevitch State Institute of Standards and Control, Moscow, Russia*

11:00-13:00 White Hall

SESSION 7. REGIONAL PROGRAMS

Chairpersons: I. S. Valitov, L. G. Postolenko

1. PROGNOSTIC SESSION AS A TOOL OF THE ANALYSIS OF HIV-INFECTION EXPANSION, DETECTION OF PROBLEMS AND POSING OF TASKS FOR SOLVING THEREOF

O. M. Romanenko, I. S. Valitov, M. V. Makarova, R. A. Safin - Republican Center for the Prevention and Control of AIDS, Health Institute, Kazan, Republic of Tatarstan

2. TARGETED PROGRAM OF PREVENTING DISEASES CAUSED BY HUMAN IMMUNODEFICIENCY VIRUS

O. M. Romanenko, M. V. Makarova, S. M. Balashnikov - Republican Center for the Prevention and Control of AIDS, Kazan, Republic of Tatarstan

3. REPUBLICAN COMPETITION OF JOURNALISTIC PUBLICATIONS AS A MECHANISM OF INCREASING THE STATUS OF AIDS PROBLEM AND INVOLVEMENT OF POPULATION INTO REALIZATION OF ANTI-AIDS REGIONAL PROGRAM

I. S. Valitov, O. M. Romanenko, M. V. Makarova, R. A. Safin - Republican Center for the Prevention and Control of AIDS, Health Institute, Kazan, Republic of Tatarstan

4. CURRENT PROBLEMS IN PROVIDING MEDICAL AID TO HIV-INFECTED PATIENTS

M. V. Makarova - Republican Center for the Prevention and Control of AIDS, Kazan, Republic of Tatarstan

5. SOCIAL POLICY OF HIV SPREAD PREVENTION

Yu. A. Amirkhanian - St. Petersburg State University, St. Petersburg, Russia

6. TARGETED PROGRAM ANTI-HIV/AIDS FOR 1998-2000 IN THE REPUBLIC OF UDMURTIA

G. N. Voronina, Ye. G. Kuzmin - Udmurtian Center for AIDS and Infectious Disease Control, Izhevsk, Republic of Udmurtia, Russian Federation

14:00-18:00 White Hall

Round table

SOCIAL, LEGAL AND PHILOSOPHICAL ISSUES OF HIV/AIDS

Chairpersons: A. A. Demidov (Russia) and S. A. Chaplinskis (Lithuania)

14:00-18:00 Blue Hall

2nd Russia-US Workshop

EMERGING AND RE-EMERGING INFECTIOUS DISEASES

Chairpersons: A. P. Kozlov (Russia), K. Western (NIAID, USA), and P. Hartsock (NIDA, USA)

Friday, 22 May

9:00-11:00 Glass Hall

SESSION 8. EPIDEMIOLOGY OF HIV INFECTION

Chairperson: P. G. Rytik (Belarus)

1. HIV-INFECTION IN BELARUS (1987-1997)

P. G. Rytik, I. I. Kucherov, I. A. Podolskaya, M. O. Korzhev, V. A. Glazovsky, N. P. Firsova - Research Institute of Epidemiology and Microbiology, Ministry of Health of Belarus, Minsk, Belarus

2. SEROEPIDEMIOLOGICAL, CLINICAL AND MOLECULAR-VIROLOGICAL ASPECTS OF HIV-INFECTION IN UGANDA

E. Schmalzbauer¹, S. Tibananuka², C. Bron³ and G. Frosner¹ - ¹Max von Pettenkofer-Institute of the Ludwig-Maximilian-University of Munich, Munich, Germany; ²Bujumbura Dispensary, Hoima, Uganda; ³National Center for Retroviruses of the University of Zurich, Zurich, Switzerland

3. HIV-INFECTION IN THE FAR EAST OF RUSSIA

V. V. Bogach, O. E. Trotsenko - Far East Regional Center for the Prevention of AIDS of the Khabarovsk Research Institute of Epidemiology and Microbiology, Khabarovsk, Russia

4. EPIDEMIOLOGY OF HIV INFECTION IN ST. PETERSBURG

N. A. Akhtyrskaya, A¹. V. Sizova, A. G. Rakhmanova, G. S. Stepanova - City Center for the Prevention and Control of AIDS, Medical Academy of Postgraduate Education, St. Petersburg, Russia

5. AN HIV TYPE I EPIDEMIC AMONG INJECTING DRUG USERS IN KALININGRAD CAUSED BY A RECOMBINANT A/B STRAIN

T. Smolskaya¹, K. Liitsola², M. Salminen², P. Leinikki², I. Tashkinova³, O. Momot³, G. Korovina¹, N. Kedrova¹ - ¹North-Western Regional AIDS Center, Pasteur Institute, St. Petersburg, Russia; ²National Public Health Institute, Helsinki, Finland; ³Kaliningrad AIDS Center, Kaliningrad, Russia

6. DETECTING HVB AND HVC MARKERS IN HIV-INFECTED POPULATION OF UKRAINE

E. V. Maximenok, D. P. Luzon, L. Roshchenko, N. Tchentsova — Center for AIDS Prevention, Kiev, Ukraine

7. EPIDEMIOLOGICAL ASSOCIATIONS, SIMULATION OF EPIDEMIC PROCESS AND EPIDEMIOLOGICAL SURVEILLANCE OF HIV-INFECTION

M. L. Livshits, O. M. Drozdova, L. L. Shliakhtenko, L. V. Sultanov - State Medical Academy, Kemerovo; Pasteur Research Institute of Experimental Medicine, St. Petersburg; Altai Center for the Prevention and Control of AIDS, Barnaul

8. THE APPEARANCE OF EMERGING AND RE- EMERGING INFECTIOUS AGENTS IN THE NOVGOROD REGION

G. S. Arkhipov, T. F. Koptsova, L. A. Solomakha, L. M. Krasilnikova - Yaroslav-the-Wise Novgorod State University, Institute for Medical Education, 2nd City Hospital, City State Sanitary and Epidemiological Inspection, Novgorod, Russia

9:00-11:00 White Hall

SESSION 9. CYTOKINES IN AIDS, CANCER AND OTHER DISEASES

Chairpersons: A. S. Simbirtsev and S. A. Ketlinskiy

1. CYTOKINES: XXI CENTURY MEDICINES

S. A. Ketlinskiy - Research Institute of Pure Biochemicals, St. Petersburg, Russia

2. PRODUCTION OF RECOMBINANT CYTOKINES AND RESPECTIVE ANTIBODIES

A. M. Ishchenko - Research Institute of Pure Biochemicals, St. Petersburg, Russia

3. AN EXPERIENCE OF CLINICAL APPLICATION OF THE RECOMBINANT IL-1(3)

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

4. ASSOCIATION BETWEEN CYTOKINE PRODUCTION AND OSSEOUS TISSUE DENSITY IN LIQUIDATORS OF CONSEQUENCES OF CHERNOBYL POWER PLANT ACCIDENT

N. M. Kalinina, I. D. Nikiforova, K. A. Sysoyev - All-Russian Center of Emergency and Radiation Medicine, St. Petersburg, Russia

5. THE STUDY OF PROINFLAMMATORY CYTOKINE PRODUCTION AND NEUTROPHIL CHEMOTAXIS AT SITES OF LOCAL INFLAMMATION

Ye. Varioushina, V. Konusova, A. Kotov, A. Simbirtsev, A. Salamatov, D. Zolotarev - Institute of Pure Biochemicals, Military Medical Academy, St. Petersburg, Russia

6. USING IMMUNOLOGICAL METHODS FOR DIFFERENTIAL DIAGNOSIS OF CHRONIC B-LYMPHOCYTIC LEUKEMIA (B-CLL) AND B-LYMPHOCYTIC NON-HODGKIN LYMPHOMA (NL) OF LOW MALIGNANCY (LM)

N. B. Serebrianaya, A. A. Novik, T. G. Kulibaba, S. V. Voloshin, V. V. Diakova, I. S. Zuzgin, M. V. Kiseliova, I. V. Snetkova, E. B. Zhiburt - Medical Military Academy, St. Petersburg

7. CHANGES IN QUANTITATIVE CHARACTERISTICS OF CYTOKINE NETWORK IN PATIENTS EXPOSED TO LOW DOSE RADIATION

O. S. Solntseva, N. M. Kalinina, N. V. Bychkova - All-Russian Center of Emergency and Radiation Medicine, Saint-Petersburg, Russia

8. THE INFLUENCE OF C-REACTIVE PROTEIN AND SERUM AMYLOID P ON *IN VITRO* IMMUNOMEDIATOR PRODUCTION

A. V., Polevshchikov Ye. B. Galkina, P. G. Nazarov, V. M, Chmelev, L. K. Berestovaya - Research Institute for Experimental Medicine, St. Petersburg, Russia

9. A STUDY OF COMPLEMENT ANAPHYLATOXIN C5A-MEDIATED IL-8 SECRETION BY CULTURED ASTROCYTES

A. S. Zhahov - Research Institute of Pure Biochemicals, St. Petersburg, Russia

11:15-13.00 Glass Hall

SESSION 10. HTLV, HHV6, HHV7, AND HHV8

Chairperson V. Gurtsevich

1. HTLV INFECTION IN RUSSIA: NEW FACTS AND HYPOTHESES

V. E. Gurtsevich - N. N. Blokhin Oncological Scientific Center, Moscow, Russia

2. IMMUNE RESPONSE TO GAG AND ENV PROTEINS OF HUMAN ENDOGENOUS RETROVIRUS K10 IN PATIENTS WITH GERM CELL TUMORS

A. M. Kleiman, N. B. Senyuta, S. A. Tyulyandin, L. P. Trubchaninova, O. A. Pavlish, S. V. Ambrosova, B. P. Matveev - N. N. Blokhin Oncological Scientific Center, Moscow, Russia

3. DOES HTLV-I/II INFECTION EXIST IN BURYATIA?

A. Syrtsev¹, D. Trofimov², S. Galetsky¹, N. Senyuta¹, A. Perinov³, Y. Kozyrev¹, G. de The⁴, and A. Gessain⁴ - ¹N. N. Blokhin Oncological Scientific Center, Moscow, Russia; ²DNA-Technology Co., Moscow; ³National Center of Oncology, Republic of Buryatia; ⁴Institute Pasteur, Paris, (France)

**4. HHV8 ANTIBODIES AS DIAGNOSTIC MARKERS FOR KAPOSZS SARCOMA (KS)
DEVELOPMENT IN GROUPS OF HIV-INFECTED AND AIDS PATIENTS**

E. Kadyrova, C. Galetsky, V. Shakhyildian, A. Kravtchenko -N, N. Blokhin Oncological Scientific Center, Russian Federal AIDS Center, Moscow, Russia

11:15-13:00 White Hall

SESSION 11. BIOTECHNOLOGY

Chairperson: E. N. Sventitskiy

1. A NOVEL AEROSOL FORMULATION OF INTERFERON-a (IFN-a)

E. N. Sventitskiy, S. S. Avtushenko, L. A. Seleznieva, V. A. Sabetskij, V. V. Mukhovichov, T. V. Kotova, R. S. Paul, Yu. V. Lepp, A. V. Metljaeva, V. A. Iskritskij, S. V. Ekimov, I. L. Potokin, S. V. Vikulina - Research Institute of Pure Biochemicals, St. Petersburg, Russia

2. INVESTIGATION OF THE PROPHYLACTIC EFFECTIVENESS OF LIPOSOMAL BETA-CAROTENE PREPARATION AGAINST INDUCED TUMORS

*S. S. Avtushenko, E. M. Sorokin, L. F. Smirnova, I. V. Miljutina, V. A. Alexandrov * V. G. Bespalov* - Research Institute of Pure Biochemicals; *Prof. N.N. Petrov's Research Institute of Oncology St. Petersburg, Russia*

3. COMPARATIVE TESTING OF DEVICES FOR INHALATION DRUG THERAPY

S. S. Avtushenko, T. V. Kotova, V. L. Iskritsky, S. V. Vikulina - Research Institute of Pure Biochemicals, St. Petersburg, Russia

4. DEVELOPMENT OF PREPARATIONS THAT INCREASE THE NON-SPECIFIC RESISTANCE OF THE ORGANISM AGAINST INFECTIOUS DISEASES AND FOR PREVENTING AND TREATMENT OF DYSBACTERIOSES

L. N. Petrov, T. Ya. Vakhitov, N. B. Verbitskaya, L. M. Aleksin, V. G. Konusova, Yu. V. Tiagotin - Research Institute of Pure Biochemicals, St. Petersburg, Russia

5. CHARACTERISTICS OF TECHNOLOGY FOR PRODUCING IMMUNOMODULATORS WITH A DEFINED MOLECULAR STRUCTURE FROM BACTERIA

L. V. Petrov, N. B. Verbitskaya, V. G. Vospiakov, S. B. Grishniakov, S. A. Ketlinskiy, N. B. Shcheglova, L. M. Yakunitskaya, N. V. Beliaikov, A. A. Prokop 'ev, N. M. Kalinina - Research Institute of Pure Biochemicals, St. Petersburg, Russia

6. AUTOSTIMULATORS OF BACTERIAL GROWTH: METHODS FOR THEIR ISOLATION, THEIR PROPERTIES, AND PROSPECTS FOR APPLICATION

T. Ya. Vakhitov, L. N. Petrov, N. V. Vispold - Research Institute of Pure Biochemicals, St. Petersburg, Russia

7. AN ELECTRON MICROSCOPIC STUDY OF SYMBIOTIC RELATIONSHIPS BETWEEN/ *. CANDIDA YEAST AND LACTOBACILLI

O. V. Rybalchenko, N. B. Verbitskaya, O. P. Danilova. - Research Institute of Pure Biochemicals, St. Petersburg, Russia

8. PROSPECTS FOR PRACTICAL APPLICATIONS OF CULTURING MICROORGANISMS IN EMULSION

S. S. Avtushenko, V. V. Mukhovichov, Ye. N. Sventitskiy - Research Institute of Pure Biochemicals, St. Petersburg, Russia

9. USING REVERSIBLE INHIBITORS OF METABOLIC PROCESSES IN MICROORGANISMS TO IMPROVE VACCINE PREPARATIONS

Ye. N. Sventitskiy, L. Yu. Yakovleva - Research Institute of Pure Biochemicals, St. Petersburg, Russia

10. A SELECTIVE ADSORBENT FOR REDUCING BLOOD CHOLESTEROL BY HEMO- OR PLASMASORPTION: SYNTHESIS, PROPERTIES, AND RESULTS OF TRIALS

A. G. Boldyrev, N. N. Fedorov, V. A. Moloshnikov, I. N. Voyevodina, A. A. Sokolov - Research Institute of Pure Biochemicals, St. Petersburg, Russia

14:00-16:00 Glass Hall

SESSION 12, NEW TECHNOLOGIES

Chairman: V. I. Evtushenko

1. DNA SEQUENCING TECHNOLOGY IN CORE LABORATORY FACILITIES

J. Earthy - John Hopkins Univ., Baltimore, USA

2. USING COMBINATORIAL PHAGE DISPLAY LIBRARIES IN SEARCH FOR PEPTIDES THAT MIMIC ANTIGENIC DETERMINANTS OF HIV-1 P24 PROTEIN

O. J. Tumanova, V. N. Kuvshinov, V. A. Ivanisenko, V. P. Mishin, N. V. Feduk, V. B. Loktev, A. G. Pokrovskiy, A. A. Ilichev - State Research Center of Virology and Biotechnology "Vektor", Koltsovo, Novosibirsk Oblast, Russia

3. THE COMPARISON OF RESULTS OF HIV-1 SEROTYPING WITH MONOMERIC AND OCTAMERIC V3-PEPTIDES

A. A. Nabatov, A. E. Masharsky, S. V. Verevochkin, L. L. Krukovskaya, A. P. Kozlov - Biomedical Center; Research Institute of Pure Biochemicals, St. Petersburg, Russia

4. MEMBRANE -BASED COLORIMETRIC/CHEMILUMINESCENT DETECTION OF AMPLIFIED DNA AND RNA WITHOUT EMPLOYING GEL ELECTROPHORESIS

T. G. Klochkova, M. I. Yarmolovitch, E. I. Yakubovitch, V. L. Evtushenko - Laboratory of Genetic Engineering, Research Institute of Roentgenology and Radiology St. Petersburg Russia

5. QUASISPECIES VARIABILITY DURING HIV INFECTION *IN VIVO*

A. V. Kozlova¹, N. G. Yaroslavtseva¹, M. Yu. Shchelkanov¹, A. N. Yudin¹, T. A. Pashkova¹, M. N. Papuashvili², E. V. Karamov¹ - ¹D. I. Ivanovskiy Institute of Virology, RAMS, Moscow, Russia; ²Institute of Immunology, Moscow, Russia

6. ANTIBODIES AGAINST FUNCTIONALLY SIGNIFICANT FRAGMENTS OF GP120 IN SERA OF HIV1 -INFECTED PATIENTS UNDER A LONG-TERM MONITORING

A. N. Yudin¹, M. Yu. Shchelkanov¹, S. M. Andreev², M. N. Papuashvili², N. G. Yaroslavtseva¹, I. B. Sakhuria¹, N. S. Starikov¹, and E. V. Karamov¹ - ¹D. I. Ivanovskiy Institute of Virology, RAMS, Moscow, Russia; ² Institute of Immunology, Moscow, Russia

7. DEVELOPMENT OF AN ENZYMOIMMUNOASSAY SYSTEM FOR HIV-1 P24 PROTEIN DETECTION USING RECOMBINANT PROTEIN AND MONOCLONAL ANTIBODIES

I. V. Aborneva, V. A. Poryvayeva, N. K. Danilyuk, Ye. Yu. Kosova, M. P. Grishayev and A. D. Ammosov - ZAO Vektor-Best, Koltsovo, Novosibirsk Oblast

14:00-17:00 White Hall

Round table 2

SOCIAL, LEGAL AND PHILOSOPHICAL ISSUES OF HIV/AIDS

Chairpersons: G. A. Krimenskiy and A. A. Demidov

14:00-17:00 Glass Hall

SESSION 13. EXPERIMENTAL AND THEORETICAL BIOLOGY

Chairperson: A. P. Kozlov

1. ANALYSIS OF DIFFERENTIALLY EXPRESSED GENES IN MOUSE EMBRYONIC STEM CELLS STIMULATED TO DIFFERENTIATE BY RETINOIC ACID

E. I. Yakubovich, V. I. Evtushenko - Laboratory of Gene Engineering, Research Institute of Roentgenology and Radiology, St. -Petersburg, Russia

2. STOCHASTICITY IN GENE EXPRESSION AND CELL DIFFERENTIATION

A. G. Golubev - Research Institute for Experimental Medicine, St. Petersburg, Russia

3. THE MULTI-KINGDOM SYSTEM OF LIVING ORGANISMS

A. L. Drozdov, O. G. Kusakin - Institute of Marine Biology, Vladivostok, Russia

4. DEVELOPMENT OF METHODS FOR CODING-DECODING OF PROTEIN STRUCTURE AS A WAY TO DESIGN ARTIFICIAL ANTIBODIES AGAINST HIV

V. A. Karasev, Ye. L. Demchenko - Center of Microelectronic Technologies, St. Petersburg State Electrotechnical University

17:00-18:00 Glass Hall

MEETING OF ASSOCIATION AGAINST HIV/AIDS

CLOSING THE CONFERENCE

Chairperson: A. P. Kozlov

POSTER SESSION

S 1.1. LIPOSOMES AS DELIVERY SYSTEMS FOR ANTIGENS AND IMMUNOMODULATORS

S. S. Avtushenko, E. M. Sorokin, O. B. Kuznetsov, A. S. Simbirtsev, E. A. Protasov, I. L. Potokin, L. A. Belova — Research Institute of Pure Biochemicals, ^Research Institute of Influenza, St. Petersburg, Russia*

S 1.2. BIOLOGICAL PROPERTIES OF HIV-1 SEROTYPE A/C CIRCULATING IN THE FORMER USSR

I. B. Sakhuria, M. Yu. Shchelkanov, T. V. Pavlova, V. V. Burunova, N. G. Yaroslavtseva, A. N. Yudin, E. V. Karamov - D. I. Ivanovskiy Institute of Virology¹, Moscow, Russia

S 1.3. MOLECULAR MIMICRY OF HIV PROTEINS AND NEUTRALIZATION OF HIV INFECTIOUS ABILITY USING MONO,POLYCLONAL ANTIBODIES: AN APPROACH TO DEVELOPMENT OF AN EFFICACIOUS ANTI-HIV/AIDS VACCINE

*N. G. Perminova, I. V. Timofeyev, T. F. Paletskaya, I. A. Lavrinenko and V. F. Yeryomin * - Research Institute of Molecular Biology, "Vektor " Research Center of Virology and Biotechnology Koltsovo, Novosibirsk Oblast, Russia; institute of Epidemiology and Microbiology, Minsk, Belarus*

S 1.4. IMMUNOLOGICAL PROPERTIES OF SERA FROM MACAQUES IMMUNIZED BY TBI (CANDIDATE ANTI-HIV VACCINE)

T. V. Pavlova¹, M. Yu. Shchelkanov¹, V. V. Burunova¹, A. V. Abelian¹, A. M. Eroshkin², A. P. Kozlov³, E. V. Karamov¹ - ¹D. I. Ivanovsky Institute of Virology, Moscow, Russia; ² Institute of Molecular Biology, Koltsovo, Russia; ³ Research Institute of Pure Biochemicals, St. Petersburg, Russia

S 1.5. 3D-ANALYSIS OF HIV-1 GP120 V3 TIP FUNCTIONING IN ITS COMPLEX WITH ANTIBODY

A. N. Yudin, M. Yu. Shchelkanov, N. G. Yaroslavtseva, A. A. Slavsky, M. V. Denisov, E. V. Karamov - D. I. Ivanovskiy Institute of Virology, Moscow, Russia

S 2.1. THE ROLE OF ENDOGENOUS INTERFERON IN THE PATHOGENESIS OF RECURRENT HERPES INFECTION

A. Shulzhenko, L. Khutieva, I. Abramov - Institute of Immunology, Ministry of Health, Moscow, Russia

S 2.2. IMMUNE INDICES IN PATIENTS WITH RECURRENT HERPES VIRUS INFECTION

N. V. Khoroshilova, N. Ch. Setdikova, E. I. Trofimova - Institute of Immunology, Ministry of Health, Moscow, Russia

S 2.3. THE EXPERIENCE OF TREATING HIV-INFECTED AND AIDS PATIENT IN LATVIA

G. Sture — Center of Infectious diseases, Riga, Latvia

S 2.4. EXAMINING THE POTENTIAL OF NEW MEDICINAL PREPARATION FOR USE IN OBSTETRICS AND GYNECOLOGY

T. B. Semenova, L. A. Pavlova, A. S. Seleznev, A. Yang-Moscow City Anti-Herpes Center, I. M. Sechenov Medical Academy, Moscow

S 2.5. THE EXPERIENCE OF USING BENZAFLAVIN AND REAFERON FOR TREATING PATIENTS WITH RECURRENT HERPES

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S 3.1. DISTRIBUTION FUNCTIONS FOR HIV-1 GP120 V3 INTRA- AND INTER-SUBTYPE AMINO ACID HAMMING DISTANCES

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S 3.2. PRION-LIKE PROTEIN HELPS TO PRODUCE GAG-P55 IN THE YEAST

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S 3.3. CCD AFFECTS EARLY EVENTS IN THE HIV-1 REPLICATIVE CYCLE

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S 3.4. HIV-1 SEROTYPING IN THE IDU POPULATION OF TVER (RUSSIA)

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S 3.5. VISUALIZATION OF HIV-1 GP120 V3-LOOP DIVERSITY WITH THE HELP OF POINT HOMOMOLOGY THREE-RANGE TENSOR

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S 3.6. ANTI-HIV1 ACTIVITY OF PHENOTHIAZINES, AGENTS THAT REDUCE MULTI-DRUG RESISTANCE

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S 3.7. A ONE-PARAMETER DISCRETE MODEL OF GENETIC DIVERSITY

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S 3.8. EVALUATION CRITERIA FOR IMMUNOREACTIVITY SPECTRA

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S 3.9. DISTINCTIONS BETWEEN VARIOUS SETS OF PEPTIDE FRAGMENTS DERIVED FROM SEQUENCES OF THE V3 REGION OF GP120 PROTEIN FROM DIFFERENT TAXONS OF HIV-1

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S 3.10. COMPUTER-ASSISTED SIMULATION OF HIV EVOLUTION IN THE INFECTED ORGANISM

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S 4.1. MOLECULAR DESIGN IN THE CHEMISTRY OF TETRAZOLE-CONTAINING BIOLOGICAL ACTIVE COMPOUNDS

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S 4.2. KINETICS AND MECHANISM OF THE TETRAZOLATION OF 5'-O-BENZOYL-2,3'-ANHYDROTHYMIDINE

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S 4.3. WORKING OUT AN APPROACH TO THE SYNTHESIS OF BIS[2-(2',3'-DIDEOXYTHYMIDINE-3'-YL)TETRAZOL-5-YL]DIETHYL ETHER, A POTENTIAL INHIBITOR OF HIV REVERTASE

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S 4.4. SYNTHESIS OF NITRO-1,2,3-TRIAZOLES WITH a POTENTIAL IMMUNOSTIMULATING ACTIVITY

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S 4.6. LIPOPHYLIC PROPERTIES OF BIFUNCTIONAL PIPERIDINE DERIVATIVES WITH A HIGH ANTI-HIV ACTIVITY

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S 5.2. PORTABLE IMMUNOENZYMATIC INSTRUMENT

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S 5.3. DETECTION OF ANTIBODIES AGAINST HIV-1/2 IN SERUM AND WHOLE BLOOD SAMPLES BY DIFFERENT TEST-SYSTEMS FOR EXPRESS DIAGNOSTICS OF HIV-INFECTION

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S 5.5. ATLAS OF IMMUNOREACTIVITY PROFILES OF HIV-POSITIVE SERA collected IN THE TERRITORY OF former USSR: the update on 1998

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S 7.2. MECHANISMS OF the ANTI-TUMOR EFFECT OF SUBALIN, a PROBIOTIC that stimulates the PRODUCTION OF HUMAN ALPHA-2INTERFERON

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S 7.3. MPMV SPECIFIC SEQUENCES IN MIXED CULTURES.

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S 7.4. IDENTIFICATION OF PAPILLOMA VIRUSES IN BIOPSY SAMPLES OF PATIENTS WITH CERVICAL DYSPLASIA BY PCR, INSITU HYBRIDIZATION AND ELECTRON MICROSCOPY.

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S 7.5. BINDING OF GLYCYRRHIZIC ACID TO CYTOPLASMIC PROTEINS OF BREAST CANCER CELLS

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S 9.2. HOMOLGY AT THE R REGION OF MO-MULV GENOMIC RNA IS NOT SUFFICIENT FOR MINUS-STRAIND DNA TRANSFER DURING REVERSE TRANSCRIPTION

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S 9.3. SERUM LEVELS OF CYTOKINES IN PATIENTS WITH SUBACUTE AND CHRONIC HEPATITISB"

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S 9.4. CHANGES OF IMMUNE STATUS IN CHILDREN WITH STENOSING LARYNGOTRACHEITIS ASSOCIATED WITH VIRAL RESPIRATORY INFECTION

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