

12 June

Plenary session

- 1. To the 140th anniversary of Wu Liande - an outstanding figure of Chinese medicine.** Jan Fengmin (China)
- 2. The development of medical mycology in the 21st century.** N.V. Vasilyeva (Russia, St. Petersburg)
- 3. The title of the report is on approval.** Kozlov R.S. (Russia, Smolensk)
- 4. The vital role of diagnostics in antimicrobial stewardship.** Didem Akpir Soydan (Turkey)
- 5. The activity of WHO in implementing programs on controlling the antibiotic resistance.** Ana Paula Coutinho Rehse (WHO, Switzerland)

«Congress hall»

13 June

9.00 – 10.30 TE Symposium Development of dermatovenereological care system in St. Petersburg and the Leningrad Region. Moderator: Gorlanov I.A.

- 1. Organization of the Dermatovenereological Service in St. Petersburg - a look through the prism of the centuries (1918-2018).** Raznatovsky K.I.
- 2. Features of dermatovenereological care provision to children in St. Petersburg.** Gorlanov I.A.
- 3. IT in dermatovenereology.** Ravodin R.A.
- 4. Principles of dermatovenereological care in the Leningrad region.** Yegorova Yu.S.
- 5. The organization of dermatological care provision to patients with severe forms of psoriasis and psoriatic arthritis: the algorithm for administering biological medications in St. Petersburg.** Raznatovsky K.I.

10.30 – 10.40 Discussion

10.50 – 12.30 TE Symposium Features of the current course of sexually transmitted infections. Модератор: Piryatinskaya A.B.

- 1. Primary prevention of syphilis and sexually transmitted infections: a socially significant problem.** Raznatovsky K.I.
- 2. The case of syphilis of the cardiovascular system in combination with celiac syphilides.** Piryatynska A.B.
- 3. Activities of the dermatovenereologic institutions of St. Petersburg for preventing the spread of HIV and sexually transmitted infections.** Petunova Ya.G.
- 4. Recurrence of herpes zoster in the HIV-infected patient.** Piryatinsky V.A.
- 5. The diseases associated with the DNA of the HPV virus: pointed condyloma.** Klyuchareva S.V.
- 6. Effectiveness of microbiological diagnostics of gonococcal infection in patients with suspected sexually transmitted infections.** Badikov V.D.

12.30 – 12.40 Discussion

13.30 – 14.15 Master class Veropharm Rational approach in the treatment of onychomycosis
Moderator: Chaplygin A.V.

14.25 – 16.00 TE Symposium Modern methods of diagnosis, treatment and prevention of infectious dermatosis. Moderator: Raznatovsky K.I.

1. **Steroid-sensitive dermatosis, complicated by bacterial and mycotic infection.** Raznatovsky K.I.
 2. **Tropical dermatosis in the practice of a dermatovenereologist: cutaneous leishmaniasis, migratory larva.** Pyriatinsky V.A.
 3. **Scabies: little tricks of a big problem.** Sokolova T.V.
 4. **Infected dermatosis. Differential diagnosis. Features of the therapy.** Kotrekhova L.P.
- 16.00 – 16.10 Discussion

16.20 – 18.00 Symposium **Antimicrobial resistance and the development of new antibacterial drugs.**

1. **The frequency of mutations associated with resistance to macrolides in *Mycoplasma pneumoniae*, isolated from the children with community-acquired pneumonia during the epidemic morbidity rise in the Smolensk region.** Eidelstein I.A., Romanov A.V., Pleskachevskaya T.A., Sokolovskaya V.V., Simakina E.N., Kozlov R.S.
2. **Clinical significance and methods of quantitative determination of the minimum inhibitory concentration.** Sidorenko S.V. (St. Petersburg) ** **Biomerie**
3. **Antibiotic sensitivity and molecular typing of CA-MRSA, isolated from carriers and infections.** Ivanova K.A., Gostev V.V., Kalinogorskaya O.S., Nesterova E.V., Kalisnikova E.L., Sidorenko S.V.
4. **Study of the antimicrobial activity of isopimaric acid derivatives with respect to *Staphylococcus aureus*.** Evstropov A.N., Burova L.G., Shirokikh I.V., Zakharova L.N., Gromova M.A., Kharitonov Yu.V., Schulz E.E.
5. **Biodegradable containers for transdermal delivery of antimycotics.** Svenskaya Yu. I., Lengert EV, Terentyuk G.S., Talnikova E.E.

«Congress hall»

14 June

13.30 – 15.00 TE Symposium **Modern methods of diagnosis, treatment of non-infectious dermatosis.** Moderator: Kornisheva V.G.

1. **Primary cicatricial alopecia.** Kornisheva V.G.
2. **Diagnosis and therapy of neutrophilic dermatosis – an interdisciplinary problem.** Kotrekhova L.P.
3. **Features of the current course of intestinal forms of lupus erythematosus.** Belova E.A.
4. **Sarcoidosis: a clinical case.** Karyakina L.A.
5. **Atopic dermatitis: the features of the clinical course and complex therapy.** Mirzoyan V.L.

15.00 – 15.10 Дискуссия

15.20 – 17.00 Symposium **Molecular approaches to the genotyping of pathogenic bacteria.** Moderators: Kaftyreva L.A., Abaev I.V.

1. **Molecular and epidemiological characteristics of *Staphylococcus aureus* strains, causative agents of staphylococcal toxicoinfections in the Russian Federation.** Abaev I.V., Scriabin Yu.P., Dyatlov I.A. (Obolensk, Russia)
2. **Molecular approaches to the *Salmonella* subtyping.** Egorova S.A. (Saint-Petersburg, Russia)
3. **Phenotypic and genetic characteristics of mcr-1 positive *Escherichia coli* strains isolated from the patients of a multidisciplinary hospital.** Mrugova T.M. (Moscow)
4. **Biological properties of *Escherichia coli* serological group O164 - the causative agent of an outbreak of acute intestinal infection.** Yakunin M.A., Matveeva Z.N., Makarova M.A. (Murmansk, St. Petersburg, Russia)
5. **Molecular approaches to the subtyping of diarrheic *Escherichia coli*.** Makarova M.A. (Saint-Petersburg, Russia)

17.00 – 18.40 Symposium Development points of modern microbiology. Moderators: Ilina E.N. (Moscow), Sidorenko S.V. (St. Petersburg)

- 1. Heteroresistance – a new biological strategy for bacteria escaping from the antimicrobial agents action.** Gostev V.V. (St. Petersburg)
- 2. Formation of the human microbiome and the ways of its correction.** Ilina E.N. (Moscow)
- 3. Immediate and distant prospects for the development of antibacterial drugs.** Sidorenko S.V. (St. Petersburg)
- 4. Carbapenemases – the origin and distribution.** Ageevets V.A. (St. Petersburg)

«Congress hall»

15 June

9.30 – 11.00 TE Symposium Dermato-oncology. Moderator: Klyuchareva S.V.

- 1. Errors in diagnosing skin neoplasms. Actinic keratosis. The therapy opportunities.** Klyuchareva S.V.
- 2. Skin metastases.** Klibson S.K.
- 3. Diagnosis of basal cell carcinoma in the practice of a dermatovenerologist.** Vashkevich A.A.
- 4. Dynamics of effector subpopulations of lymphocytes in the blood of patients with the initial stage of choroidal melanoma with the activation of herpes virus infections.** Balatskaya N.V.

11.00 – 11.10 Discussion

11.20 – 12.50 TE Symposium Diagnosis and treatment of dermatomycosis. Moderator: Chaplygin A.V.

- 1. The experience of an alternative method for treating onychomycosis.** Yutskovsky A.D., Visyagina M.A., Chernenko O.A.
- 2. Candida vulvovaginitis – a problem of the XXI century.** Chaplygin A.V.
- 3. Microsporia: prevalence and etiological structure over the past 5 years in St. Petersburg.** Medvedeva T.V.
- 4. Errors in diagnosing mycosis of smooth skin.** Serebryakova I.S.
- 5. Management tactics and features of treating elderly and senile patients with onychomycosis of feet.** Tsurupa E.N.

12.50 – 13.00 Discussion

13.00 – 14.00 Paper-based testing

Hall «Saint Petersburg»

13 June

VI Russian-Chinese Conference on Medical Microbiology, Immunology and Concomitant Diseases

9.00 – 12.30 Russian-Chinese Symposium Molecular basis of the pathogenesis of infectious diseases. Moderators: Vasilyeva N.V.,

- 1. Comparison of hemolytic activity and the genomic structure of Staphylococcus aureus strains, pathogens of staphylococcal infections in Russia.** Abaev I.V., Scriabin Yu.P., Dyatlov I.A.
- 2. Development of prophylactic hepatitis C virus vaccine.** Zhong Jin (China)
- 3. Expression and potential role of the Complement System and Chemokines in Experimental Fungal Keratitis.** Qu Iijun (China)
- 4. Effects and mechanisms of EB virus regulating ATR pathway on tumor biological behavior.** Li Yan (China)

5. **Effect of re-plasma chaperones on the resistance of *Neisseria gonorrhoeae* to broad-spectrum antibiotics.** Bodoev I.N., Zlobin V.I., Peretolchina NP, Dzhioev Yu.P., Stepanenko (Russia)
6. **Bioinformatics analysis of the CRISPR system and phage race profiles in the genome of *Staphylococcus aureus*.** Borisenko A.Yu., Zlobin VI, Peretolchina NP, Dzhioev Yu.P. Stepanenko L.A.
7. **The role of liver exosomes in the liver tissue pathological change caused by the infection with *Schistosomiasis japonicum*.** Wu Zhongdao (China)
8. **Structural features of lanosterol-demethylase of aspergillosis pathogens.** Ryabinin I.A.

13.30 – 14.15 Sattelite symposium (BD) The role of microbiological diagnosis in clinical decision making.

1. **Detection of carbapenemases and carbapenemases-producing microorganisms.** Orlova O.E.
2. **The economic effect of optimizing the laboratory work schedule.** Alesina N.V.
3. **The interaction of the microbiological laboratory and clinic in the diagnosis of septic conditions.** Burmistrova E.N.

14.25 – 15.10 TE Symposium *Candida auris* – a new causative agent of nosocomial candidiasis. Moderators: Vasilyeva N.V., Taraskina A.E.

1. **Features of laboratory diagnosis of the first case of candidiasis due to *C. auris* in St. Petersburg.** Pinegina O.N.
2. **The role of chromogenic media in identifying *C. auris*.** Orlova O.E.
3. **DNA sequencing – the gold standard for the identification of micromycetes: focus on *Candida auris*.** Taraskina A.E.

15.10 – 15.25 Discussion

15.25 – 16.10 TE Symposium Laboratory diagnosis of mycosis at the present stage. Moderators: Vasilyeva N.V., Taraskina A.E.

1. **Diagnosis of mycoses caused by fungi of the genus *Exophiala*.** Bogomolov T.S.
2. **Features of determining the sensitivity of *Malassezia* spp. to antimycotic drugs.** Bogdanova T.V.
3. **Features of the immunological diagnosis of mycosis.** Ignatieva S.M.

16.10 – 16.25 Discussion

16.30 – 18.10 TE Symposium Laboratory diagnosis of current infections. Moderators: Shepelin AP, Borisova O. Yu.

1. **Ways for improving the quality of microbiological research.** Shepelin A.P.
2. **Status and problems of laboratory diagnosis of pertussis infection in the Russian Federation.** Borisova O.Yu., Pimenova A.S.
3. **Standardization of the culture method in the laboratory diagnosis of purulent bacterial meningitis.** Domotenko L.V., Podkopaev Ya.V.
4. **Molecular genetic analysis of *Listeria* isolates isolated from clinical material and food.** Alekseeva E.A.
5. **Isolation and study of an atypical strain of *Shigella flexneri*.** Kartsev N.N.

10.30 – 10.40 Discussion

Hall «Saint Petersburg»

14 June

VI Russian-Chinese Conference on Medical Microbiology, Immunology and Concomitant Diseases

9.00 – 12.30 Russian-Chinese symposium «**Molecular basis of the pathogenesis of infectious diseases**». Moderators: Mokrousov I.V.,

- 1. The importance of the inserted sequence IS6110 in the evolution of the line Mycobacterium tuberculosis** 2. Shitikov, EA, Gulyaev, AS, Bespyatykh, Yu.A., Mokrousov, I.V., Ilina E.N., Govorun V.M.
- 2. Coxsackievirus B3 induces the formation of autophagosomes both in cardiac myocytes and fibroblasts.** Zhong Zhaohua (China)
- 3. Nucleolin is an Integral Component and Regulates Transcription of Hepatitis B Virus Covalently Closed Circular DNA Mini-Chromosome.** Xia Yuchen (China)
- 4. Endogenous retroviral envelope protein(ERVWE1) regulates calcium influx and activates the small conductance Ca²⁺-activated K⁺ channel.** Zhu Fan (China)
- 5. Mycobacterium tuberculosis in the alveolar macrophages of patients with pulmonary tuberculosis are located only in intact phagosomes, inhibiting phagolysosomal biogenesis.** Ufimtseva EG, Ereemeeva N.I., Vakhrusheva DV, Skornyakov S.N.
- 6. What can the genotype of the fungus of the genus Trichophyton show?** Pchelin I.M.
- 7. Genotype and drug resistance of Mycobacterium tuberculosis in the patients with HIV-associated tuberculosis.** Gerasimova A.A., Vyazovaya A.A., Panteleev A.M., Mokrousov I.V., Mayskaya M.Yu., Narvskaya O.V.
- 8. Genomic polymorphism of the population of the causative agent of tuberculosis in the Komi Republic.** Vyazovaya A.A., Proshina E.E., Toinova S.V., Avadeniy I., Gerasimova A.A., Solovyova N.S., Zhuravlev V.Yu., Narvskaya O.V., Mokrousov I.V.

13.30 – 15.10 TE Symposium **Information technology in medical microbiology.** Moderators: Azizov I.S., Eidelstein M.V.

- 1. WHONET is a simple tool for complex tasks.** Azizov I.S.
- 2. A new web platform for analyzing and presenting antibiotic resistance data.** Eidelstein, M.V., Kuzmenkov, A.Yu.
- 3. Laboratory information systems as a tool for managing the quality of microbiological research.** Melkumyan A.G.
- 4. Components of successful informatization in a laboratory.** Nizhegorodtseva I.A.

15.00 – 15.10 Discussion

15.20 – 16.10 TE Lecture **The EUCAST recommendations for the evaluation of antibiotic sensitivity: what's new in 2019.** Moderator-speaker: Sidorenko S.V.

16.10– 16.20 Discussion

16.30 – 17.20 TE Symposium **Current issues of medical virology.** Moderator: Zhilinskaya I.N., Lioznov D.A.

- 1. Problems in finding influenza vaccines.** Kharchenko E.P.
- 2. The main mechanisms of the evolution of influenza A (H1N1) pdm viruses for 9 years after the onset of a pandemic.** Fadeev A.V., Zhilinskaya I.N.
- 3. Characteristics of modern adenoviruses.** Timoshicheva T.A., Amosova I.V.

17.20 – 17.30 Discussion

Hall «Saint-Petersburg»

15 июня

9.30 – 11.10 TE Symposium. **The study of problematic pathogenic bacteria.** Moderator: Sidorenko S.V.

1. **Phenotypic methods for detecting carbapenemases of gram-negative pathogenic microorganisms.** Lazareva I.V.
 2. **Mechanisms of resistance to polymyxins and features of the sensitivity assessment of gram-negative pathogenic microorganisms.** Ageevets V.A.
 3. **Features of sensitivity assessment and mechanisms of meningococcal resistance.** Martens E.A.
 4. **Evaluation of antibiotic sensitivity and typing of staphylococci.** Gostev V.V.
 5. **Dynamics of the serotype composition of pneumococci in the Russian Federation against the background of anti-pneumococcal vaccination.** Nikitina E.V.
 6. **Prevalence of antibiotic resistance among pneumococci in the Russian Federation.** Kalinogorskaya O.S.
- 10.30 – 10.40 Discussion

11.20 – 12.50 **TE Symposium Modern approaches to the laboratory diagnosis of intestinal infections.** Moderator: Kaftyreva L.A.

1. **The human intestinal microbiota as a source of infectious diseases.** Kaftyreva L.A.
 2. **New aspects of the diagnosis and correction of human microbiota.** Orishak E.A.
 3. **Diagnosis of acute intestinal infections caused by E. coli strain O157: H7.** Omarova S.M.
 4. **Problems and prospects of laboratory diagnosis of colibacillosis.** Makarova M.A.
 5. **Isolation of thermotolerant campylobacter. Modern approaches to the identification and subtyping of Campylobacter.** Porin A.A.
- 12.50 – 13.00 Discussion

13.00 – 14.00 **TE Paper-based testing**

Hall «Zelenogorsk»
14 June

16.30 – 18.00 **MEETING of the chief non-permanent staff specialist on clinical microbiology and antimicrobial resistance of the Ministry of Health of the Russian Federation in the North-West Federal District.** Chairman: Vasilyeva N.V.

Hall «Strelina»
13 June

9.00 – 10.30 **TE Symposium Epidemiology of infectious diseases - 1.** Moderator: Zueva L.P.

1. **Status of the issue on controlling the antibiotic resistance.** Zueva L.P.
2. **Clinical information-automated system for monitoring the sensitivity of microflora and rationalizing antibiotic therapy in a multidisciplinary clinical hospital.** Seliverstov D.V.
3. **The results of introducing the regional monitoring of antimicrobial resistance of microorganisms.** Svetlichnaya Yu.S.
4. **Current trends in the development of the epidemic process of ixodic tick-borne borreliosis in the Russian Federation.** Rudakov N.V.
5. **Are patients with atopic dermatitis a reservoir of epidemic strains of Staphylococcus aureus in the population?** Dmitrenko O.A.
6. **Organization of flu immunization among the population of St. Petersburg.** Kalinina Z.P.

10.50 – 12.20 **TE Symposium Epidemiology of infectious diseases - 2.** Moderator: Mironenko O.V.

1. **Methodological approaches to the metagenomic analysis of the microorganism of the HAI.** Malyshev V.V.

2. **The ancient sublines of Mycobacterium tuberculosis of the Beijing genotype in Russia: a mysterious past, a potentially epidemic future.** Mokrousov I.V.
3. **Modern legislative requirements for the organization of the medical waste management system.** Mironenko O.V.
4. **Analysis of pulmonary aspergillosis incidence in oncohematological patients of a multidisciplinary hospital.** Tutelyan A.V., Orlova O.A.
5. **Multifactor simulation of the epidemic process of measles in the megalopolis at the stage of infection elimination.** Platonov, T.A.

12.20 – 12.30 Discussion

13.30 – 14.15 Satellite Symposium (*Pfizer* company) «**New treatment options for severe infections**». Moderators Klimko N.N., Yakovlev S.V.

1. **New opportunities for the treatment of infections caused by resistant gram-negative bacteria.** Yakovlev S.V.
2. **Modern recommendations for the treatment of infections caused by resistant gram-positive bacteria.** Beloborodov V.B.
3. **Current recommendations for the treatment of nosocomial invasive candidiasis.** Klimko N.N.

14.25 – 16.10 Round table discussion. **Infectious diseases in the polar regions: natural foci, microbiological and epidemiological aspects.** Moderators: Goncharov A.E., Krayeva L.A., Vlasov D.Yu.

1. **Climatic changes and pathogenic microbiota in polar ecosystems. – 15 minutes.** Goncharov A.E., Krylenkov V.A. (St. Petersburg).
2. **Microbiological monitoring of natural focal infections in the territory of the Republic of Sakha (Yakutia). – 15 min.** Sofronova O.N. (Yakutsk).
3. **Assessment of anthropogenic and ornithogenic pollution of the environment of the polar regions as a result of cyanobacterial mats. – 20 minutes** Krayeva LA, Panin A.L., Goncharov A.E., Vlasov L.Yu. (St. Petersburg).
4. **Microbial genes of cold-resistant proteins: the problem of mobilization – 15 min.** Solomenny A.P. (Perm).
5. **Ways of accumulation and settlement of conditionally pathogenic micromycetes in the areas of polar settlements – 15 min.** D.Yu. Vlasov (St. Petersburg)
6. **Methodological approaches to the study of the polar explorers' health – 15 min.** Khoroshilov V.Yu. (St. Petersburg).

Discussion – 10 min.

16.30 – 18.00 Meeting of the chief non-permanent staff epidemiologist of the Ministry of Health of the Russian Federation in the North-West Federal District. Moderator: Zueva L.P.

1. **Improving measures to combat hospital infections with the help of bacteriophages in the North-West region of Russia.** Zueva L.P., Aslanov B.I. (St. Petersburg)
2. **The state of laboratory services in medical organizations of the Pskov region.** Nynyushkina T.A. (Pskov)
3. **The role of microbiological monitoring in the prevention of HAI in a children hospital.** Kurganova T. Yu. (Vologda)
4. **Improvement of microbiological monitoring and its implementation in the medical organizations in Murmansk.** Didenko S.R. (Murmansk)

5. **The species composition and range of drug sensitivity of microflora of the patients hospitalized in the medical organizations of Syktyvkar.** Ovchinnikova N.A., Mashkova O.F., Zakharova G.G., (Syktyvkar)
6. **The experience of localizing the center of staphylococcal infection in the obstetric and surgical hospital.** Tashkinova I.P. (Kaliningrad)
7. **Socially significant infections in the Leningrad region.** Horkova E.V. (St. Petersburg)

Hall «Strelna»

14 June

9.00 – 11.15 TE Symposium Epidemiology of healthcare-associated infections (HAI).
Moderator: Mironenko O.V.

1. **The experience of implementing the team approach to the infection control practice in a multidisciplinary hospital.** Shirai O.V.
2. **To the need for epidemiological monitoring software for the patients at high risk of developing an infectious pathology in the field of surgical intervention.** Tsoy E.R.
3. **To the organization of active epidemiological monitoring of bloodstream infections in intensive care units and intensive care using modern information technologies.** Zakhvatova A.S.
4. **Analysis of the prevalence of HAI and improvement of infection control programs.** Kurakin E.S.
5. **Hygienic assessment of palliative methods of improving the air environment of medical organizations.** Mironenko O.V.
6. **The effectiveness of modern disinfectants used in the hospital.** Goloshva E.V.
7. **Assessment of resistance to disinfectants of cultures of Staphylococcus aureus, isolated from medical professionals.** Ereemeeva N.I.
8. **The effect of antiseptics on the plasmid DNA of microorganisms and microbial biofilms.** Afinogenova A.G.

11.15 – 11.20 Discussion

11.30 – 12.30 Symposium In memory of R.A. Araviyskiy. Moderators: Vasilieva N.V., Zinserling V.A.

1. **The contribution R.A. Arabian in the development of medical mycology. ...**
2. **Mycoses in HIV infection.** Zinserling V.A.
3. **Ultrastructure of tissue forms of pathogenic fungi.** Stepanova A.A.

13.30 – 14.30 Symposium Modern issues of clinical parasitology.

1. **New challenges of parasitic invasions: a myth or the reality.** Chernikova E.A. (Moscow)
2. **Methods of laboratory diagnosis of parasitosis: the pros and cons.** Kozlov S.S. (St. Petersburg)
3. **Intestinal protozoan invasions. Current issues and prospects for their solution.** Azarov D.V. (St. Petersburg)

14.40 – 16.20 Symposium The use of phages in the prevention and treatment of infectious diseases. Moderators: Aslanov B.I.,

1. **Personalized phage therapy is an effective method of treating patients with HAI.** Aleshkin AV, Ershova ON, Bochkareva SS, Kisleva I.A., Savin I.A., Novikova L.I., Markevich PS, Kislenko A.M.
2. **Experience of using staphylococcal bacteriophages in clinical practice.** Punchenko O.E., Kosyakova K.G.

3. Virulent bacteriophages of staphylococci: features of interaction with the hosts and therapeutic potential. Kornienko M. A., Kuptsov N.S., Gulyaev A.C., Letarova M.A., Shitikov E.A., Letarov A.V., Ilina E.N.

4. Outbreaks of staphylococcal toxicoinfections in Russia: the role of converting prophages of the Siphoviridae family. Scriabin Yu. P., Abaev I.V., Dyatlov I.A.

5. Bacteriophages in the prevention of acute intestinal infections. Kaftyreva, L.A., Makarova, M.A.

6. The use of bacteriophages in anti-epidemic practice in medical organizations. Aslanov B.I., Lyubimova A.V.

7. Phage polysaccharide depolymerase - a promising class of new, non-traditional antibacterial agents. Volozhantsev N.V., Borzilov A.I., Solovyova E.V., Krasilnikova V.M.

16.30 – 18.40 Expanded meeting of Federal educational and methodical association of higher education «**Health Sciences and Preventive Medicine**»

Hall «Strelna»

15 June

9.30 – 10.30 Symposium **MALDI-TOF MS: from the foreign systems to domestic developments.** Moderator: Ryabinin I.A.

- 1. AMPSL - a new base for the identification of causative agents of aspergillosis.** Ryabinin I.A.
- 2. Formation of libraries of mass spectra for identification using MALDI-TOF: principles and objective difficulties.** Stepanov A.S.
- 3. Typing of isolate Leptospira sp. MALDI-TOF mass spectrometry.** Zueva E.V., Stoyanova N.A. (St. Petersburg)

10.30 – 12.45 TE Symposium **Current problems of epidemiology of infectious and non-infectious diseases.** Moderator: Goncharov A.E. Гончаров А.Е.

- 1. Analysing the intensity of immunity to measles and the determination of collective immunity in the staff of two large hospitals in St. Petersburg - 1.** Chervyakova E.M.
- 2. Features of the epidemic process of hemorrhagic fever with renal syndrome in St. Petersburg.** Goncharov A.E.
- 3. Innovations in field epidemiology in conditions of circulation of viral and bacterial pathogens in the military.** Malyshev V.V.
- 4. Monitoring of vaccination adherence to the population in the information subsystem of the epidemiological surveillance of vaccine prevention.** Platonov, T. A.
- 5. Assessment of the distribution of rectal carriage of virulence and carbapenemase genes in patients admitted for planned hospitalization in one of the specialized hospitals in St. Petersburg.** Lazareva I.V.
- 6. Assessment of the sanitary and anti-epidemic regime of dental medical organizations.** Mironenko O.V.
- 7. Epidemiological features of salmonellosis in the patients receiving outpatient treatment.** Satosova N.V. (Saint-Petersburg, Russia)
- 8. Reproductive and significant pathology of children and adolescents of St. Petersburg.** Chirkina T.M. (Saint-Petersburg, Russia)

12.45 – 12.55 Discussion

13.00 – 14.00 TE Paper-based testing

Hall «Vyborg»

13 June

9.00 – 10.30 TE Symposium Mycoses - new risk factors. Moderators: Klimko N.N., Shadrivova O.V.

- 1. Features of invasive aspergillosis in an adult cohort of non-hematological patients.** Shadrivova O.V.
- 2. Pneumocystic pneumonia associated with severe viral infection in children.** Kozlova O.P.
- 3. Aspergillosis of the lungs in the patients with cystic fibrosis.** Borzova Yu.V.
- 4. Chronic pulmonary aspergillosis as a mask of a malignant neoplasm.** Desyatik E.A.

10.30 – 10.40 Discussion

10.50 – 12.20 TE Symposium Rare mycoses. Moderators: Markova I.V., Shagdileeva E.V.

- 1. Invasive mycoses caused by rare pathogens in children with hematological diseases after transplantation of hematopoietic stem cells.** Markova I.V., Popova M.O.
- 2. Mucoromycosis in children: the results of the prospective study.** Hostelidi S.N.
- 3. The first case of invasive candidiasis due to *Candida auris* in St. Petersburg.** Shagdileeva E.V., Klimko N.N.
- 4. Disseminated Aspergillosis: Analysis of the registry data.** Shadrivova O.V.

12.30 – 12.30 Discussion

13.30 – 14.15 Symposium Viral diseases: pathogenesis, prevention and treatment. Moderators: Zhilinskaya I.N., Liosonov D.A.

- 1. The effectiveness of seasonal flu vaccine in people infected with HIV.** Lioznov D.A. (St. Petersburg) (15 min)
- 2. Histopathological and vasomotor changes in blood vessels during adaptation of influenza virus in Wistar rats.** Marchenko V.A., Zhilinskaya I.N. (St. Petersburg) (10 min.)
- 3. Cytokine reactions in the immune response to influenza and other acute respiratory viral infections.** Golovacheva EG, Afanasyeva OI, Timonina V.S., Gonchar V.V., Osidak L.V.

14.25 – 15.25 Symposium Resistant microorganisms are causative agents of severe infections in cancer patients. Modern diagnostics and treatment options. Moderators: Dmitrieva N.V., Petukhova I.N.

- 1. Infections caused by carbapenem-resistant microorganisms. New treatment regimens.** Dmitrieva N.V.
- 2. Infections due to the installation of prostheses, nets and implants in oncology. The opportunities of antibiotic therapy.** Petukhova I.N.
- 3. Candidaemia: *Candida* spp resistance to antifungal drugs of systemic action.** Bagirova N.S.

15.25 – 16.25 Lecture New global ESSMID recommendations for the diagnosis and treatment of mucormycosis. Lecturer: Klimko N.N.

16.30 – 18.00 Symposium Modern possibilities of diagnosis and treatment of invasive mycoses. Moderators: Klimko N.N., Talaverdiyev Sh.A.

- 1. Improving the diagnosis, prevention and treatment of invasive mycoses in premature newborns in a hospital.** Priputnevich T.V.
- 2. Possibilities of computed tomography in the diagnosis of chronic pulmonary aspergillosis.** Nikolaeva N.G.
- 3. Treatment of invasive mycoses in immunocompromised patients with HIV infection and hemoblastosis.** Talaverdiyev Sh.A.

4. Features of mycological examination of the patients with pulmonary tuberculosis.
Gracheva A.N.

Hall «Vyborg»

14 June

9.00 – 10.30 TE Symposium Current problems of diagnosis and treatment of aspergillosis.

- 1. Invasive aspergillosis in the patients with solid tumors.** Denikina Yu.V.
 - 2. Possibilities of CT in the diagnosis of chronic aspergillosis.** Nikolaeva N.G.
 - 3. Chronic pulmonary aspergillosis in the patients with destructive tuberculosis in St. Petersburg.** Evseev P.Yu.
 - 4. Cryptococcosis in the patient with non-Hodgkin's lymphoma.** Melekhina Yu.E.
- 10.30 – 10.40 Discussion**

10.50 – 12.20 TE Symposium Current problems of diagnosis and treatment of candidiasis.
Moderators: Shevyakov M.A., Kozlova O.P.

- 1. Invasive candidiasis in the children after hematopoietic stem cell transplantation.** Markova I.V.
 - 2. Invasive candidiasis in the newborns in St. Petersburg.** Shagdileeva E.V.
 - 3. Candida esophagus caused by non-albicans species of micromycetes.** Shevyakov M.A.
 - 4. Treatment of chronic recurrent vulvovaginal candidiasis.** Dolgo-Saburova Yu.V.
 - 5. Chronic candidiasis of the skin and mucous membranes in the children in St. Petersburg.** Kozlova O.P.
- 12.20 – 12.30 Discussion**

13.30 – 15.10 Symposium Microbiological diagnosis of respiratory infections in patients with cystic fibrosis. Moderator: Borzova Ju. V.

- 1. Microbiomes of the respiratory tract in the patients with cystic fibrosis.** Voronina O.L. (Moscow)
- 2. Key aspects of microbiological diagnosis of respiratory tract infections in patients with cystic fibrosis.** Polikarpova S.V. (Moscow)
- 3. Organization of microbiological diagnosis of cystic fibrosis in the regions: the experience of the Samara region.** Kondratenko O.V. (Samara)
- 4. Rare and atypical pathogens in diseases of the respiratory organs: modern possibilities of laboratory diagnosis.** Lyamin A.V. (Samara)
- 5. Fungal infections in patients with cystic fibrosis.** Borzova Yu.V. (St. Petersburg)

15.10 – 16.00 Symposium Mycoses of the ENT-organs. Moderators: Kunelskaya V.Ya., Shadrin G.B.

- 1. General principles of clinical and microbiological diagnosis of mycosis of the ENT-organs.** Kunelskaya V.Ya.
- 2. Prevention of recurrence of pharynx fungal diseases in children.** Machulin A. I.
- 3. Optimization of candidal pharyngitis treatment.** Shadrin G.B.

16.00 – 16.50 Lecture Mycogenic allergy. Lecturer: Sobolev A.V.

Hall «Vyborg»

15 June

9.30 – 11.00 TE Symposium Infections and the immunity. Moderators: Taraskina A.E., Kozlova Ya.I.

- 1. Mechanisms of immune tolerance mediated by tryptophan metabolism: a potential role in the development of mycotic lung pathologies.** Taraskina A.E.
- 2. Clinical and immunological characteristics of patients with allergic bronchopulmonary aspergillosis.** Kozlova I.I.
- 3. Application of the basophil activation test in the diagnosis of micogenic sensitization in patients with bronchial asthma and cystic fibrosis.** Frolova E.V.
- 4. Procalcitonin and CD64 tests in patients with critical condition: similarities and differences in indicators.** Kalashnikova A.A.

11.00 – 11.10 Discussion

11.20 – 12.50 Lecture **Immune mechanisms of inflammation and fever in infectious diseases.**

Lecturer: Shabashova N.V.

12.50 – 13.00 Discussion

13.00 – 14.00 **Paper-based testing**