



Almazov National Medical
Research Centre



Council of Young Scientists
and Students



ALMAZOV SUMMER SCHOOL

in medical specialties

ALMAZOV SUMMER SCHOOL IN MEDICAL SPECIALTIES



The Almazov National Medical Research Centre and the Council of Young Scientists and Specialists are welcoming foreign medical students to join our first summer school in a beautiful city of St. Petersburg!

We are pleased to become a host institution for the world's future doctors. Here you can learn the most relevant topics from the clinical world, have a careful glance at each clinical department, watch our talented surgeons perform operations live, participate in seminars, classes at the medical simulation centre and clinical cases discussions.

Moreover, we will make sure you explore marvellous St. Petersburg - the hometown of the Russian royal family, today's

canals, vivid nightlife, opening bridges and unique «white nights» in summer when it never gets dark, it will become a wonderful and unique experience!

Being a leading Russian medical institution, the Almazov Centre has both qualified medical staff and modern technological advances to provide the best care for patients from every corner of our country and sometimes for the nearby countries. The intensive educational program will give you a general insight into the major clinical specialties in the medical field and introduce you to the basics of biomedical research.

At the end of the course you will receive an official certificate of attendance.

When: 4-15 June 2018

Target group: undergraduate medical students, recent graduates

Duration: 2 weeks

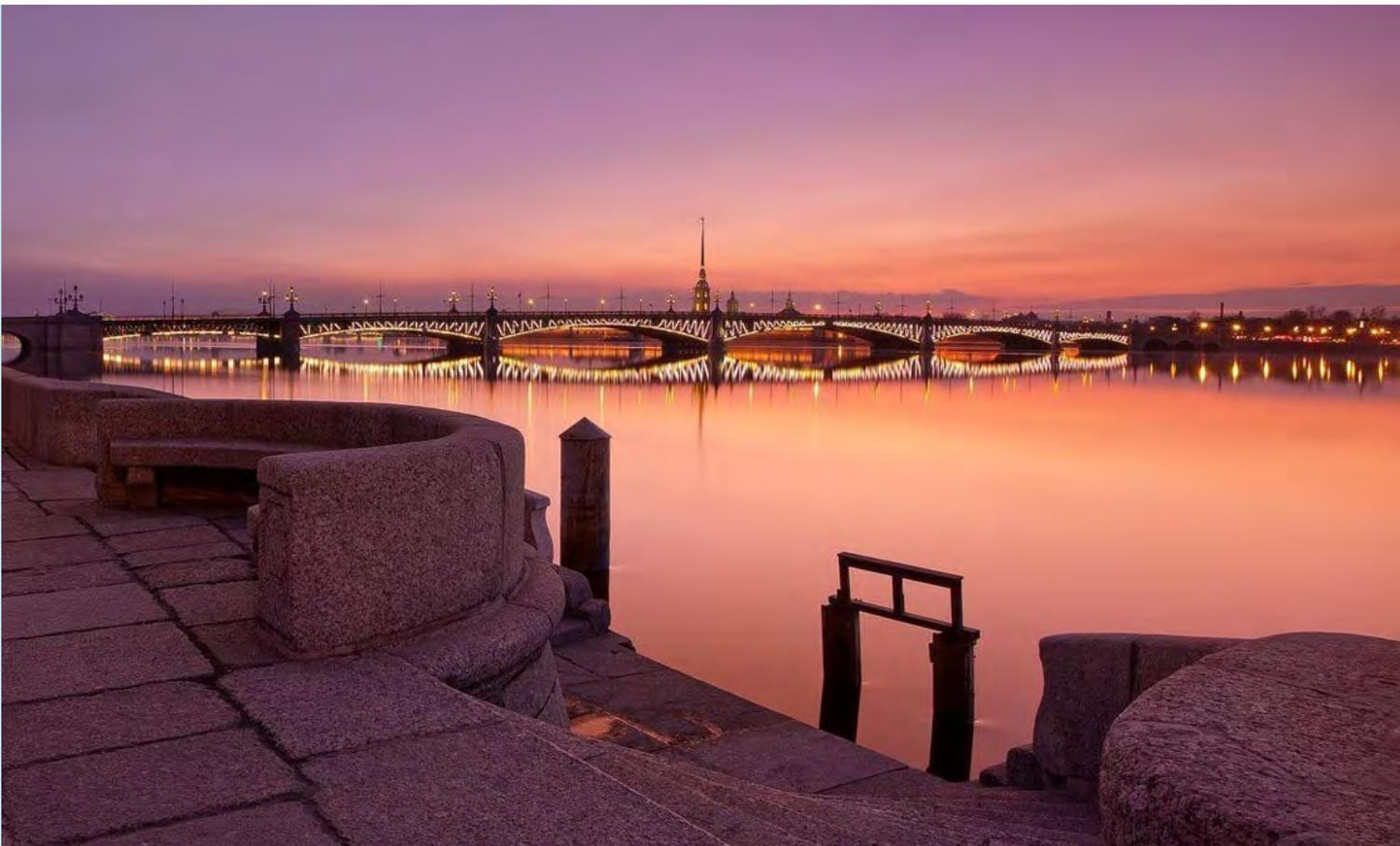
Language of instruction: English

Number of participants: 25

Fee: 350 euro (includes tuition, lunches at the centre, public transport tickets, social program). The fee does not cover travel costs, breakfast and dinners, visa support, bank transfer expenses.

Accommodation at a hostel in the city centre for a reduced price is to be organised by the committee and require extra charge.

Application deadline: 1 March 2018



ALMAZOV NATIONAL MEDICAL RESEARCH CENTRE



The Almazov National Medical Research Centre was founded in 1980 by the name of Research Institute of Cardiology. The urgency of its foundation became clear in the 70th and was caused by the rapid growth of cardiovascular morbidity and mortality in the country. Today, Almazov Centre is the leading Russian institution which combines fundamental and applied research in various medical fields, provides multidisciplinary specialized care including high-tech surgery and continuous medical education for researchers and practitioners. The Institute of Medical Education constantly holds seminars, scientific and practical conferences, schools, symposia, and courses.

Clinical Work

Almazov National Medical Research Centre is one of the biggest medical institutions in the Russian Federation which delivers high-tech medical care to people from 78 regions of the country. The Centre performs all types of surgical procedures on heart and blood vessels, including operations on children from the first days of life and surgical procedures for marrow and heart transplantation. The Centre successfully performs robot-assisted operations, using da Vinci and similar robots, in cardiovascular, obstetrics and gynecology, thoracic, abdominal, and oncology surgery. Annually, the Centre receives about 110 000 patients at the outpatient clinic and 18 000 at the inpatient departments.

Being part of the Almazov National Medical Research Centre since 2015, Polenov Russian Scientific Research Institute of Neurosurgery is one of the first and oldest scientific and clinical institutes of neurosurgery in the world, founded in May 1926. Polenov institute is a home to high experienced specialists in various medical fields: neurosurgeons, neurologists, intensive care specialists, radiologists, neuroophthalmologists, and many others, all working as a team together with laboratories of functional electrophysiology, biochemistry, and cerebral circulation.

Research

The structure of the Centre includes 14 research departments and laboratories, including Institute of Heart and Vessels, Experimental Medicine, Molecular Biology and Genetics, Clinical trials and Evidence-based Medicine, Endocrinology, Hematology, Perinatology and Pediatrics. Our priority research branches are in the field of cardiology and translational medicine.

The Centre is active in developing international relations with the leading institutions in Russia and around

the world. It has partnerships and collaborations with Russian Society of Cardiology, ITMO and Polytech University, International Chronic Myeloid Leukemia Foundation, European Neuroendocrine Association, and others



Medical Education

As a large educational institution, the Centre trains specialists in the field of health and biomedical sciences on postgraduate level (and undergraduate level starting from 2018).

Since 2013, Almazov National Centre has a postgraduate medical education institute, which includes 15 departments. The departments have highly qualified teaching staff as well as scientists and medical personnel of the Center



taking part in educational activities. In the early 80s there were about 5 clinical residents in «Cardiology» and «Cardiovascular Surgery» per year, while by the end of 2017 the Centre has trained up to 1,500 students in 29 specialties.

One of the achieved goals in education development is the foundation of Simulation Training Centre, which main function is to provide professional training for neonatal



care that saves lives and prevents disability. The simulators include models of a mother and a newborn, computerized models of full-term and preterm neonates, and electronic simulator for medical resuscitation.

High level of professionalism of the Almazov Centre's specialists is partly due to the scientific library. The library is rapidly developing and collaborates with numerous foreign publishers and companies promoting electronic resources and other medical institutions in Saint- Petersburg. It is a modern multifunctional information center with more than 3,500 visitors per year. It conducts training seminars and lectures on information resources, and provides subscriptions to major peer-reviewed scientific journals.

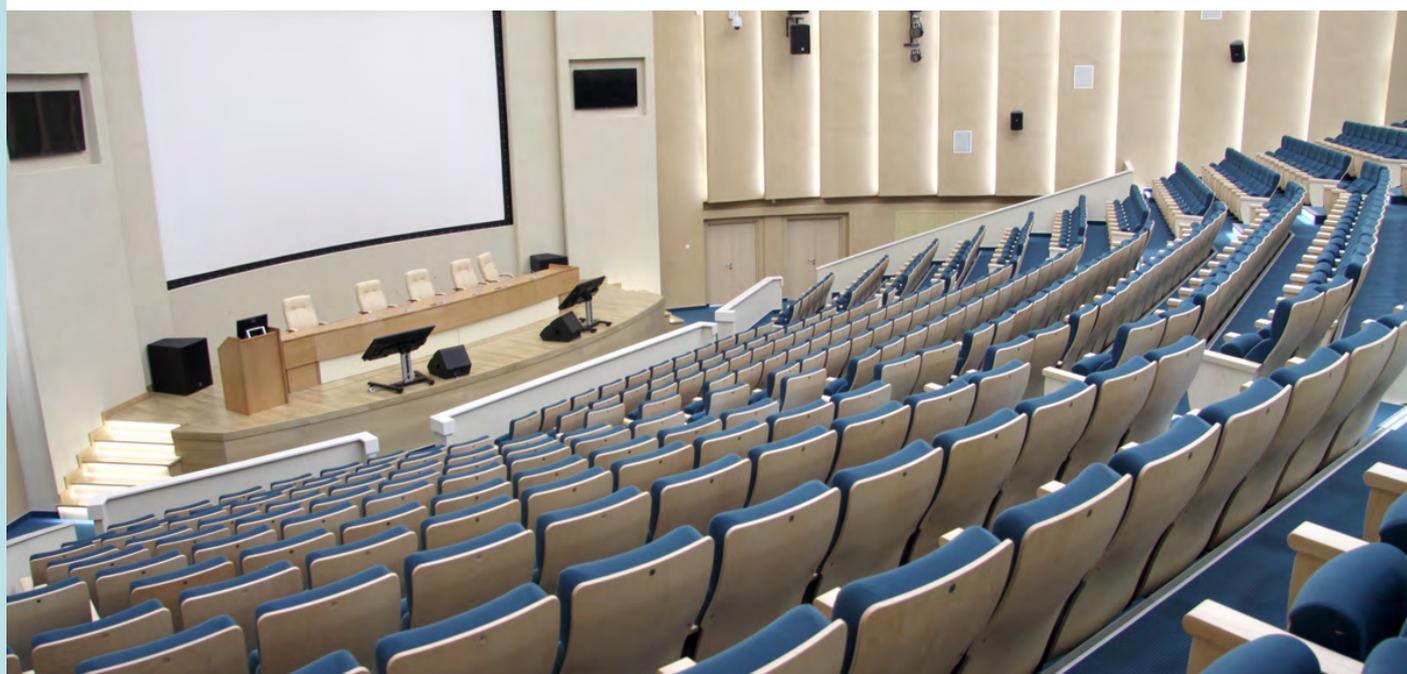
PRELIMINARY PROGRAM

03/06/17 - Sun	Arriving in St. Petersburg
14:00 - 20:00	Check-in at the hostel, getting to know the participants and the organising committee
04/06/17 - Mon	First day at Almazov Centre
9:45 - 9:55	Meeting with the organising committee at the main hall
10:00 - 10:30	Introduction lecture from the organising committee and keynote lecturers
10:30 - 11:20	Science and education in the development of value-based medicine
11:20 - 12:20	Healthcare system and medical education in Russia
12:20 - 13:00	TBA
13:00 - 15:00	Welcome drinks
15:15 - 15:30	Meeting with the organising committee at the main hall
16:00 - 18:00	Free time or group sightseeing
19:00 - 21:00	Boat tour on the canals around St Petersburg
05/06/17 - Tue	Cardiology and cardiovascular surgery
9:00 - 10:15	TBA
10:15 - 10:30	Short break
10:30 - 11:45	Arterial hypertension
11:45 - 13:00	Lunch break
13:00 - 14:30	Live streaming from the operating room
14:45 - 16:00	Cardiological patient demonstration
16:00-17:00	Acute coronary syndrome
17:15 - 17:30	Meeting with the organising committee at the main hall
18:00 - 21:00	Free time or group sightseeing
06/06/17 - Wed	Neurosciences
9:00 - 10:15	Cerebrovascular accidents in young patients
10:15 - 10:30	Short break
10:30- 11:45	Innovations in epileptology
12:00 - 13:30	Lunch break
13:30 - 14:30	Congenital malformations of the central nervous system
14:30 - 15:30	CNS tumours in children
15:45 - 16:00	Meeting with the organising committee at the main hall

17:00 - 21:00	Group tour to the Hermitage museum
07/06/17 - Thu	Anaesthesiology and Intensive Care
9:00 - 10:00	Introduction to Anaesthesiology and Intensive Care
10:00 - 11:00	Anesthetic support of surgical interventions
11:00 - 12:00	Cardiopulmonary Resuscitation workshop
12:00 - 13:30	Lunch break
13:30 - 14:30	Neuroreanimatology
14:30 - 15:30	Emergency medicine for congenital heart diseases
15:30-16:30	Diagnostics and care of patients with persistent vegetative states
16:30 - 16:45	Meeting with the organising committee at the main hall
17:00 - 20:00	Free time or group sightseeing
08/06/17 - Fri	Obstetrics & gynecology
9:00 - 10:15	Introduction to Obstetrics and Gynecology
10:15 - 10:30	Short break
10:30 - 11:30	TBA
11:30 - 13:00	Lunch break
13:00 - 14:30	TBA
14:30 - 16:00	Workshop TBA
16:00 - 18:30	Free time
18:30 - 18:45	Meeting with the organising committee at the theatre
19:00 - 22:00	Russian ballet performance
09/06/17 - Sat	Day trip to the Peterhof fountain park
10:00 - 10:30	Meeting with the organising committee at the Palace Pier
10:30 - 11:30	Boat trip to Peterhof
11:30 - 17:00	Free time at the fountain park
17:00 - 18:00	Return trip to St. Petersburg
10/06/17 - Sun	Fancy ball at the Yelagin palace
16:15 - 16:30	Meeting with the organising committee at the metro station
17:00 - 19:00	Lecture on ball etiquette, introduction to Yelagin palace, the ball at the Maid of Honors Pavilion (costumes provided by the venue)

11/06/17 - Mon	Paediatrics & perinatology
9:00 - 10:30	Introduction lecture - topic TBA
10:30 - 12:00	Fetal surgery
12:00 - 13:00	Lunch break
13:00 - 14:30	TBA
14:30 - 16:00	Workshop - topic TBA
16:15 - 16:30	Meeting with the organising committee at the main hall
17:00 - 20:00	Free time or group sightseeing
12/06/17 - Tue	Translational & experimental medicine
9:00 - 10:00	Tour around the Preclinical Translational Research Centre
10:00 - 10:15	Short break
10:15 - 11:30	Current trends in experimental medicine
11:30 - 13:15	Lunch break
13:15 - 14:30	TBA
14:30 - 16:00	Animal models in health research workshop
16:15 - 16:30	Meeting with the organising committee
17:00 - 20:00	Free time or group sightseeing
13/06/17 - Wed	Genetics & Laboratory medicine
9:00 - 10:00	TBA
10:00 - 11:00	Workshop - topic TBA
11:00 - 12:00	Pathology of the hemostatic system in the clinic and laboratory
12:00 - 13:30	Lunch break
13:30 - 14:30	Antithrombotic therapy workshop
14:30 - 15:30	TBA
15:45 - 16:00	Meeting with the organising committee at the main hall
16:00 - 19:00	Free time or group sightseeing
14/06/17 - Thu	Medical Imaging
9:00 - 09:45	Modern advances in CT and MRI in clinical practice
9:50 - 10:35	Functional MRI of the human brain
10:35 - 10:50	Short break
10:50 - 11:35	Ultrasound of cerebral vessels workshop
12:00 - 13:00	Lunch break

13:00-13:45	Echocardiography workshop
13:45 - 14:30	CT of congenital heart disease
14:30 - 16:00	Positron emission tomography
16:15 - 16:30	Meeting with the organising committee at the main hall
17:00 - 19:00	Free time or group sightseeing
15/06/17 - Thu	Endocrinology
9:00 - 10:00	Metabolic syndrome
10:00 - 10:15	Short break
10:15 - 11:15	Pituitary Incidentalomas
11:15 - 11:30	Short break
11:30 - 12:30	Bariatric surgery
12:30 - 14:00	Lunch break
14:00 - 14:40	Hypothyroidism and Fertility
14:50 - 15:30	Insulin pumps and development in the field of artificial pancreas device systems
15:30 - 16:30	Gestational diabetes mellitus
16:30 - 16:50	Meeting with the organising committee at the main hall
17:00 - 19:00	Closing reception
19:00 - 21:00	Gala dinner with the organising committee and keynote lecturers



SOCIAL PROGRAM IN ST. PETERSBURG!

The organising committee has prepared an exciting social program for all of the participants which is already included in the registration fee and will get you to know the city better. It will take about 6 of your evenings in the city and the rest of them are free, so choose among all the other possibilities!



Boat tour on the canals around St Petersburg

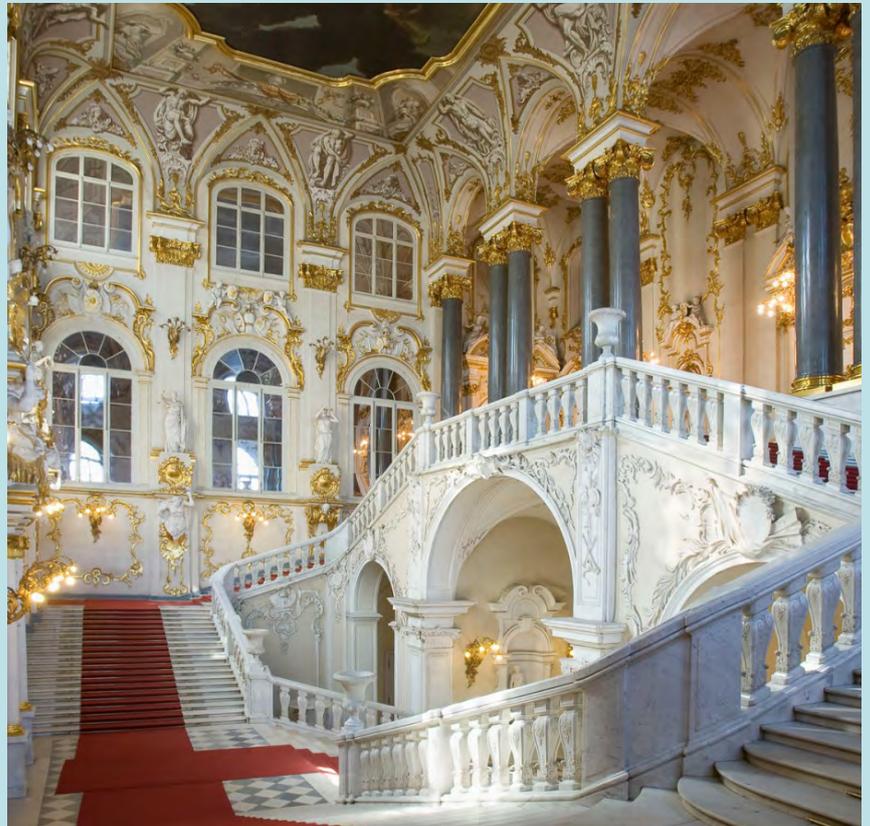
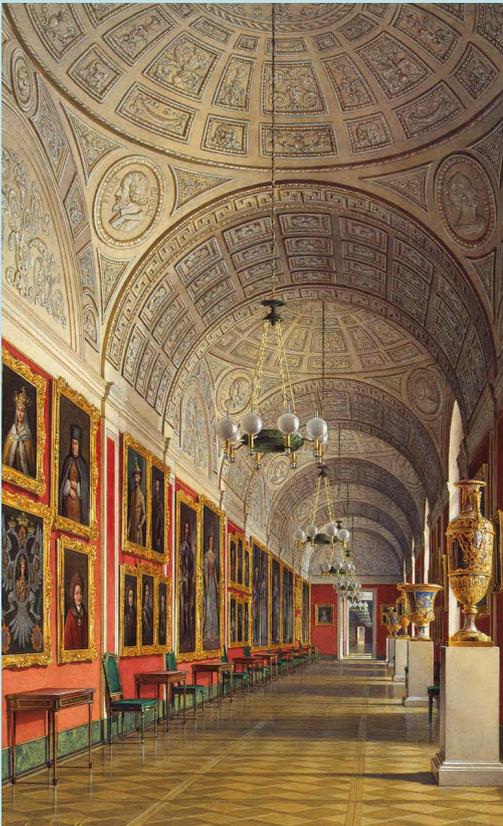
St. Petersburg's famous granite embankments are home to many of the city's grandest buildings, and boat trips along the historic rivers and canals are an essential part of sightseeing. The canals reach a total length of 300 kilometers and have over 800 bridges crossing them. This is truly the fastest and most enjoyable way to explore the city centre.





Group tour to the Hermitage museum

Some say the Hermitage is the largest museum in the world. It was founded by Catherine the Great and opened to public in 1852. The collections comprise over 3 million items located in six historic buildings along Palace Embankment, including the Winter Palace, a former residence of Russian emperors. We will visit the most popular part of it - Winter Palace and Palace Square.



Welcoming party & gala dinner

We will have opening and closing ceremony of the summer school having you try some traditional Russian food and spend some time for socialising with the committee and participants in a friendly environment of our Centre.



Russian ballet performance

Russian ballet schools are among the most influential and impactful in the world of art, so we thought that, visiting the cultural capital of Russia, you might want to experience the joy of a wonderful performance where words are replaced by graceful dancing in the middle of dazzling decorations.

Peterhof fountain park

Peterhof Palace and its gardens are sometimes referred as the «Russian Versailles» and along with the city center is recognized as a UNESCO World Heritage Site. Our tour will cover the Lower Gardens which is situated less than a hundred metres from the shore and designed in the formal style of french gardens of the 17th century. There you can find 150 fountains, each in its own unique design.



Fancy ball at the Yelagin palace

Have you ever wondered how royal families spent their leisure time? The traditional ball at a real palace would be a great chance not only to find out, but also to experience it! We are organising a special fancy event where you will learn all about the etiquette from old times and then put it into practice with the provided gorgeous outfits - just dance and have some really posh time!



APPLICATION PROCEDURE

Application Requirements

- Undergraduate or recent graduate medical students
- Adults (age of 18+)
- English language proficiency (B2+)
- Solid background in health sciences



To apply for the summer school you need to fill in and submit the [application form](#) by **1 March 2018**. If the information you submitted is correct, you will receive confirmation by email. The result of your application will be sent to you as soon as we process it. If you do not receive our emails, please, check the spam folder.

Admission Criteria

The selection is based on overall assessment of the applicant's qualifications such as previous education, relevant work and/or research experience, English language proficiency, and statement of purpose. Accepted students should pay the registration fee by 15 March 2018 to be enrolled in the course, otherwise we cannot secure your place.

Visa

You might require a visa for visiting Russia. You need to apply as early as possible to receive your visa on time. Check the requirements, type of visa and timing on the official website of your country's Russian embassy, VFS Global and Ministry of Foreign Affairs of the Russian Federation. The Almazov Centre will provide you with the official invitation letter if you need one. All visa and postal expenses are covered by the participant.

Contacts

If you have any questions regarding the summer school, your trip to Russia or getting your visa, feel free to contact Dina Sarsembayeva, chair of the summer school organising committee, by e-mail: sarsembaeva_da@almazovcentre.ru

Further details about the program can be found on our [website](#).

We are looking forward to meeting you this summer!