



MAGI
EUREGIO



ЦКП/НИИ
молекулярной медицины
и патобиохимии

КрасГМУ им. проф. В.Ф. Войно-Ясенецкого



Russia-Italy Laboratory
of Medical Genetics "MAGI RUSSIA"

PRESS RELEASE

Krasnoyarsk State Medical University (KrasGMU) is hosting a medical genetics laboratory for diagnostic analysis and research into major diseases such as cystic fibrosis, spinal muscular atrophy, Duchenne and Becker dystrophies and many others. This is possible thanks to MAGI ONLUS Association, Albert Schweitzer Association, MAGI EUREGIO Cooperative Society and the Regione Autonoma Trentino-Alto Adige/Südtirol.

The new laboratory springs from a collaboration between MAGI and KrasGMU, and from mutual friendship between Matteo Bertelli, MAGI President and Founder, MD in Genetics, Professor & Vice-Rector Alla Salmina, Head of the Biological Chemistry Department and Vice-Dean for Innovation and International Activities, and Professor & Vice-Rector Svetlana Yu. Nicoulina, Head of Internal Medicine Department and Vice-Dean for Educational Affairs at KrasGMU.

In the last three years, we awarded scholarships to promising medical students of KrasGMU, who were able to spend time in Italy researching rare genetic diseases and developing their familiarity with theory and practice. MAGI founder Dr. Matteo Bertelli believes that medical genetics information (for the public) and education (for the medical profession) are MAGI's two most important activities, since transfer of experience and skill between countries is fundamental for scientific progress in this specialised field.

An example of this collaboration was a study conducted by the Pediatric Cardiology Department at KrasGMU into Long QT Syndrome (LQTS), a rare heart disease recently discovered to have a genetic basis and which can lead to cardiac arrest at an early age. The study exploited "Next Generation Sequencing" to read all the known genes involved. Eight patients from Russia and their relatives took part in the study, and a total of 20 genetic tests identified five out of twenty mutations as responsible for the disease. Relatives identified as carriers of the mutations were enrolled in a long-term monitoring program that could save their lives, since they are too young to realize they have this silent condition which is usually identified when the first ventricular fibrillation or cardiac circulatory arrest occurs. This is the first study in which Russian families with known genes were included in research on LQTS.

On a similar path, MAGI and KrasGMU are now studying ten families of patients with atrial fibrillation, a syndrome similar to LQTS in many ways, however little is known about its genetic basis. Preliminary results are encouraging and the study offers an opportunity to the cardiology student who has been following these patients during his clinical residency in Russia, on behalf of his University.

Research projects are also starting in collaboration with the Pneumology Department on bronchial asthma, a multi-factorial disease in which the genetic contribution is still controversial. Making specific treatments available and providing genetic counselling.

In order to develop these studies, young Russian doctors spent apprenticeship periods at the MAGI labs in Italy (three in 2015), learning a genetic approach while enriching their Italian colleagues with their clinical experience. Some of these doctors will staff the Russian-Italian laboratory, putting their experience acquired with MAGI in Italy into practice.

The laboratory, directed by KrasGMU, will have all basic equipment for start up: chemicals, reagents for molecular biology, and all documents to build the quality system. MAGI will continue to sustain the laboratory in different ways, visiting from time to time, creating scientific updating seminars and research projects, obtaining funds for Russian medical students for scholarships to study genetic diseases.

This Russian-Italian project is a major achievement at scientific and human level, and the laboratory will not only help medical research but will also be a reference centre for Russian families burdened with genetic diseases, where they can obtain medical advice, diagnosis, appropriate treatments and follow-up. It is our mission to offer genetic tests for selected pathologies with a high frequency in the population and to provide immediate help after genetic diagnosis, making specific treatments available and providing genetic counselling.



REGIONE AUTONOMA TRENINO-ALTO ADIGE
AUTONOME REGION TRENINO-SÜDTIROL
REGION AUTONOMA TRENIN-SÜDTIROL



INTRODUCTION

Krasnoyarsk State Medical University named after Prof. V.F.Voino-Yasenetsky (KrasGMU) aspires to be a national leader in the education of the next generation of physicians and researchers; to translate new biomedical discoveries into clinical practice; to provide cutting-edge and interdisciplinary research of world-class level; to improve community health.

MAGI is a major Italian genetics laboratory. For many years, MAGI has been strengthening network relationships and building understanding of rare diseases in the European supranational context.

On 12th February 2016, MAGI and KrasGMU celebrate the opening of the Russian-Italian Laboratory of Medical Genetics, “MAGI RUSSIA”, at KrasGMU. Its aim is to implement diagnostic services, training and research in the field of human genetics.

The laboratory goals are:

- to develop and introduce new methods for diagnosing and preventing multifactorial diseases;
- to improve the training of undergraduate and postgraduate medical students, clinical interns, residents, medical geneticists and KrasGMU staff;
- to promote the training and scientific work of KrasGMU undergraduate and postgraduate medical students;
- to develop and implement joint research projects in basic and clinical medicine with domestic and international partners.

The laboratory was set up by donation of equipment and training of personnel by “MAGI-Euregio, Società Cooperativa ONLUS” and “MAGI Onlus, Istituto per la diagnosi, ricerca e cura delle malattie genetiche e rare” and thanks to funding by the Regione Autonoma Trentino-Alto Adige/Südtirol. Consumables and reagents necessary to begin molecular biology research were donated by the “Albert Schweitzer” Association of Bolzano, thanks to funding by the Regione Autonoma Trentino-Alto Adige/Südtirol.

The laboratory is a structural unit of KrasSMU and MAGI ITALIA will provide free direct support to MAGI RUSSIA. MAGI ITALIA will also participate in training and research activities by offering study grants to KrasGMU students and may conduct activities in the laboratory of MAGI RUSSIA.

With this collaboration, we hope to create and sustain a new network of expertise to extend and improve scientific knowledge and healthcare for rare genetic diseases in our countries.

Opening Ceremony of the Russian-Italian Laboratory of Medical Genetics "MAGI RUSSIA"

Krasnoyarsk, 12th February 2016, 13:00 - 15:30

Venue: Russian-Italian Laboratory of Medical Genetics, 1, P. Zheleznyak str., Krasnoyarsk, 660022, Russia, Research Institute of Molecular Medicine and Pathobiochemistry of the Krasnoyarsk State Medical University named after Prof. V.F. Voino-Yasenetsky, Ministry of Public Health, Russian Federation

13:00 - 14:30

- Opening address: Professor Ivan P. Artyukhov (Rector of the KrasGMU)
- Welcoming address: Professor Natalia V. Ryazantseva, Vice-Prime Minister, Krasnoyarsk Regional Government
 - Dr. Matteo Bertelli (Director of the MAGI, Italy)
- Dr. Vadim N. Yanin, Minister of Public Health, Krasnoyarsk region
- Svetlana Yu. Nicoulina, Professor & Vice-Rector (KrasGMU)
- Professor Vanna Micheli (University of Sienna, Italy)
- Alla B. Salmina, Professor & Vice-Rector (KrasGMU)
- Professor Vladimir A. Shulman (Dept. of Internal Diseases N 1, KrasGMU)
 - Professor Valery A. Sakovich, Chief Doctor, Krasnoyarsk Federal Center of Cardiac Surgery
- Dr. Andrey V. Pavlov, Chief Doctor, Krasnoyarsk Perinatal Center
- Dr. Elena A. Pozhilenkova, Head of the Shared Research Facility (KrasGMU)

- Conclusion

14:30 - 15:30

- Buffet Lunch

ВВЕДЕНИЕ

Красноярский государственный медицинский университет имени профессора В.Ф. Войно-Ясенецкого (КрасГМУ) стремится быть национальным лидером в подготовке нового поколения врачей и исследователей; транслировать результаты новых биомедицинских исследований в клиническую практику; проводить современные междисциплинарные исследования мирового уровня; улучшать здоровье населения.

MAGI – одна из крупнейших итальянских генетических лабораторий. В течение многих лет MAGI укрепляет связи и исследует редкие заболевания в европейском межнациональном контексте.

12 февраля 2016 года MAGI и КрасГМУ отмечают открытие на базе КрасГМУ российско-итальянской лаборатории медицинской генетики MAGI RUSSIA. В ее задачи входят оказание диагностических услуг, осуществление обучения и проведение исследований в сфере генетики человека.

Цели работы лаборатории:

- разработка и внедрение новых методов диагностики и профилактики мультифакторных заболеваний;
- улучшение качества подготовки студентов, аспирантов, клинических интернов, ординаторов, специалистов в области медицинской генетики КрасГМУ;
- развитие процессов обучения и научно-исследовательской деятельности студентов и аспирантов КрасГМУ;
- разработка и внедрение совместных научных проектов по фундаментальной и клинической медицине с российскими и зарубежными партнерами.

Лаборатория организована благодаря безвозмездной передаче оборудования и подготовке персонала силами MAGI-Euregio (кооперативного общества ONLUS) и института диагностики, исследований и терапии редких генетических заболеваний MAGI Onlus, а также на средства, выделенные автономной областью Trentino-Alto Adige/Südtirol (Италия).

Расходные материалы и реагенты, необходимые для начала молекулярно-биологических исследований, были предоставлены ассоциацией “Albert Schweitzer” (Больцано) благодаря финансированию, выделенному автономной областью Trentino-Alto Adige/Südtirol.

Лаборатория является структурным подразделением КрасГМУ и MAGI ITALIA, она будет оказывать прямую поддержку лаборатории MAGI RUSSIA. MAGI ITALIA будет принимать участие в образовательной и научно-исследовательской деятельности путем предоставления грантов на обучение исследователям КрасГМУ. MAGI ITALIA имеет право осуществлять различные виды деятельности на базе лаборатории MAGI RUSSIA.

Мы надеемся, что данное сотрудничество позволит создать и поддерживать новую экспертную сеть для расширения и повышения качества как научного знания, так и практики терапии редких генетических заболеваний в наших странах.

ПРОГРАММА

Церемония открытия Российско-итальянской лаборатории медицинской генетики "MAGI RUSSIA»

Красноярск, 12 Февраля 2016, 13:00 - 15:30

Место проведения: Российско-итальянская лаборатория медицинской генетики, Красноярск, 660022, ул. П. Железняк, 1-з, 6-й этаж, Научно-исследовательский институт молекулярной медицины и патобиохимии Красноярского государственного медицинского университета имени профессора В.Ф. Войно-Ясенецкого Минздрава России.

13:00 - 14:30

- Приветственное слово: Профессор Артюхов И.П. (ректор КрасГМУ)
- Приветственное слово: Заместитель председателя Правительства Красноярского края, проф. Рязанцева Н.В.

Выступления:

- Д-р Маттео Бертелли (директор MAGI, Италия)
- Министр здравоохранения Красноярского края, д-р Янин В.Н.
- Проректор по учебной работе КрасГМУ, проф. Никулина С.Ю.
- Проф. Ванна Микели (Университет г. Сиена, Италия)
- Проректор по инновационному развитию и международной деятельности КрасГМУ, проф. Салмина А.Б.
- Профессор кафедры внутренних болезней № 1 КрасГМУ, проф. Шульман В.А.
- Главный врач Федерального центра сердечно-сосудистой хирургии в г. Красноярске, проф. Сакович В.А.
- Главный врач Красноярского краевого клинического центра охраны материнства и детства, Павлов А.В.
- Заведующая ЦКП/НИИ молекулярной медицины и патобиохимии КрасГМУ, доц. Пожиленкова Е.А.

- Заключение

14:30 - 15:30

- Фуршет



Address:

660022, Krasnoyarsk, Russia

Partizana Zheleznyaka str., 1 «з»

Phone/Fax: +7 (391) 228-07-45

www.krasgmu.ru

Адрес:

660022, Россия, г.Красноярск,

ул. Партизана Железняка, 1 "З"

Тел./Факс: +7 (391) 228-07-45

www.krasgmu.ru