

# V. N. Karazin Kharkiv National University



## SCHOOL OF MEDICINE

Program brochure

## PRESIDENT'S SPEECH



*One of the most important stages in everyone's life starts after leaving school. Present time demands highly skilled and competitive specialists whose existence may be provided only with the help of qualified education.*

*One of the most ancient universities in Eastern Europe is Karazin University; it provides classical education with modern trends.*

*Having chosen Karazin University you will take the right step on the way to the professional growth, as classical education of high quality is a pledge the successful future.*

*President of V. N. Karazin Kharkiv  
National University, Academician of  
Ukrainian NAS, Professor  
Vil Savbanovich Bakirov*

## DEAN'S SPEECH



***Dear colleagues, present and future students!***

*Classical university high school has always been the foundation of medical science and education in all developed countries in the world. The academic triad is the necessary and essential component of the High Medical School of our University – it is a unity of education, science and clinical practice.*

*Certainly, only the universities that have the developed bases for teaching and learning biomedical and natural disciplines create ideal conditions for forming and improving clinical and scientifically medical thinking of future doctors due to using the interdisciplinary approaches.*

*Impetuous implementation into medical sphere of achievements in computer science, physics, chemistry, biology, mathematics and other sciences makes the increase of capacity and quality of learning of the fundamental disciplines to train future doctors more important.*

*Dean of the School of Medicine,  
Professor Viktor Nikolaevich Savchenko*



## THE HISTORY OF THE SCHOOL – FROM PAST INTO FUTURE

Modern scientific and pedagogical activity of the department has strong historical roots. The roots of our School are the roots of the University as well. Kharkiv University, which has had the status as National since 1999 and has the name of its founder Vasyl Nazarovich Karazin, it belongs to the most ancient, strongest and glorified universities of Ukraine. The University became a cradle for many world famous scientific schools which the most prestigious high educational institutions in the world could be proud of. The graduates and the staff of the University is the pride of the Ukrainian High School. These are the winners of Nobel Prize L. D. Landau, I. I. Mechnikov and Saimon Kuznets, honorable members and doctors of the University, I. V. Goethe, O. Humboldt, L. Tolstoy, I. Franko, P. P. Semenov-Tyan-Shanskiy and many others.

When Imperial Kharkiv University was opened on 17 January in 1805, among another organized Schools was the Medical School. The Medical School as a part of University existed until 1920 gave great scientists, physicians and wonderful doctors to the world such as therapist D. F. Lyambl, surgeons P. M. Shumlyanskiy, V. F. Hrube and M. P. Trinkler, obstetrician I. P. Lazarevich, ophthalmologist L. L. Hirshman, physiologist V. Y. Danilevskiy and many others.

In 1920 all universities were closed and on their places many divided special institutions of high education appeared. Since that time the existence of School of Medicine of Karazin University stopped. In 1934 Kharkiv University revived but without School of Medicine.







Only since Ukraine got independence and its democratic revival it became possible to renew classical university medical education, which is recognized by, conventional civilized world. On the 20<sup>th</sup> of November in 1992, Ukraine Ministry of Education with the order No.185 made the University to renew preparing the specialists in the field of medicine and provide them with right of medical activity.

In March 1993, the School of Fundamental Medicine had been solemnly opened in the University. The School was located in the building in Lenin Avenue, 20 close to the University Lyceum where it was located until 2004.

In 2004, the School was moved to the Northern building of Karazin University on Liberty Square (the former building of Military Engineering Radio Technical Academy of Air Defense named L. A. Hovorov) which is situated in the very heart of Kharkiv. In present times the School is located on two floors in the Northern building having all necessary for providing medical education to its students on the highest level in accordance with world standards.



The opening of the School and the first difficult years of its existence after revival have passed successfully due to boundless working capacity and commitment of the first Dean of the School of Fundamental Medicine – the doctor of medical sciences, professor Nikolay Ivanovich Yabluchanskiy. Exactly his enthusiasm and aspiration to prove how effective the university medical education is have made the School one of the leading medical higher educational institutions in Ukraine for several years, high rates of activity and quality of education became popular abroad.

Understanding obvious advantages of classical university education and highly estimate its prospects leading Kharkiv scientists and clinical physicians joined the first Dean of the School and headed the departments and took positions of the lecturers.



Since the first years of revival the School of Fundamental Medicine has proved that it was one of the strongest in Ukraine which was estimated at once by the future students who chose the Medical School as the place to study at. Obvious advantages of classical university education gave wonderful practical results and the quantity of



students rose annually and nowadays there are 3700 students, including 2600 ones from abroad.

Graduates of our School whose numbers is several thousand proved as wonderful clinical physicians and talented scientists not only in Ukraine but in Canada, the USA, France, Great Britain, Germany, Hungary and others.

During existence the School has become not only a strong medical educational institution but one of the leading scientific centers. The scientific works of stuff of the School which are mostly introduced by interdisciplinary researches and scientific innovations on a joint of sciences, got Ukrainian and international approval. During its existence employees of the School has published several thousands of scientific works and prepared hundreds of exercise books, educational and methodical study aids. At present time scientific activity of the School continues to grow and the results of science pedagogical employees' works are published in international and domestic specialized editions.



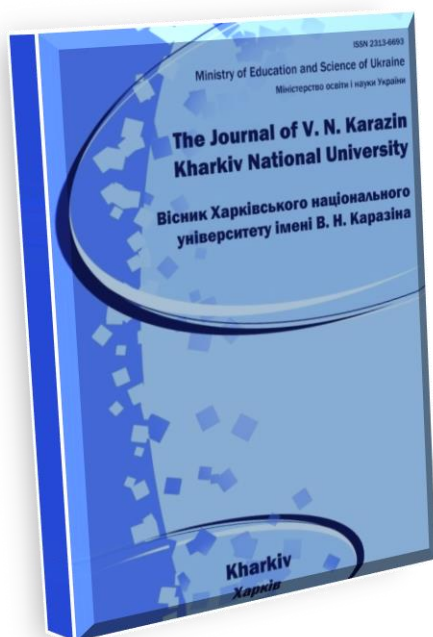
Since the first years of existence of the revived School on the initiative of Dean I. I. Yabluchanskiy the Student Scientific Society started its work, it consisted of scientific circles on separated departments and administration, it was renamed in 2014 into the Scientific Students Community, graduate students, doctoral candidates and young scientists of the Medical School of V. N. Karazin. During the existence, the members of the Scientific Community held 12 international conferences, more than 150 articles and theses were published, tight scientific contacts were set with



scientific communities of all Medical High Educational Institutions of Ukraine, near and far abroad.



On the initiative of the Scientific Community dozens of social and medical preventive actions were held. Close cooperation is conducted with International federation of medical students' association of IFMSA. Members of scientific community became a part of All-Ukrainian Association of medical students of UMSA. Students of the Scientific Community together with the lecturers are collaborators of the University program "Students' health".



Since 1992 the magazine «School of Fundamental Medicine Journal» has being edited at School, it was reorganized in 2002 in "Messenger of V. N. Karazin Kharkiv National University", the line is "Medicine" which is a part of specialized editions of High Certification Committee of Ukraine. Since 2012 the magazine is edited in English, it is recognized popular among the practicing doctors and scientific physicians far outside Ukraine.

Since 2014 International scientific and practical magazine “Psychiatry, neurology and medical psychology” has been edited in the School, which is in the list of recommended and specialized editions of the State Certificated Committee of Ukraine, also it is included into scientific bases as Index Copernicus International and RISC. Lectures, problem articles, results of original and experimental researches, articles of survey, debatable and historical character, brief messages, reviews, cases from practice are described there, works concerning the questions of teaching neurosciences and other materials are edited in the magazine.



In 2008, the School got its first name and up today, it has proudly its name- Medical School of Karazin University.



Since 2008 and up to nowadays the School is headed by Dean who is the Candidate of Medicine, the Professor Viktor Nikolaevich Savchenko, constant progress of the School in all spheres of activity is connected with his work.



Since 2009, studying has been held in English at our School. The number of students who get medical education in English is constantly growing and at present time they are more than 2000 students. At the stage of modern development the School of Medicine of V. N. Karazin Kharkiv National University Represents one of the strongest medical higher educational institutions and got approval not only in Ukraine but abroad.

## **THE SCHOOL TODAY – TRADITIONS AND INNOVATIONS**

Nowadays the School of Medicine of V. N. Karazin University is one of the leading medical higher educational institutions of Ukraine in training of doctors, qualified specialists in profession 6.1101 «Medicine», 7.12010001 «Medical case» (Certificate ПД-IV No. 219309 and license AB No. 498462 from 25 of November 2009). It has its ancient history and famous traditions, which are organically bound with innovative approaches to educational process and integration of modern technologies in it.





We teach our students in Ukrainian, Russian (for Russian-speaking students) and in English at 11 departments of the School. High quality of classical university medical education was estimated by the students from all over the world:



at present time education is held at the School of Medicine of the students from following countries, such as Ukraine, Russia, the USA, Israel, Uganda, France, Bulgaria, Turkmenistan, Uzbekistan, Jordan, Syria, Iraq, Iran, India, Pakistan, Palestine, Tunis, Lebanon, Morocco, Turkey, Cameroon, Vietnam, China, Azerbaijan, Sudan, Afghanistan, Algeria, Kuwait, Côte d'Ivoire, Saudi Arabia, islands of Mauritius, Bahrain, Papua New Guinea and many other countries.

Together with the use of standard programs and curriculum stated by the Ministry of Education and Science of Ukraine and classical university interdisciplinary approaches to the education in a training process of future doctors at the School of Medicine of V. N. Karazin University, the innovative educational technologies are applied: online consultations of students, distance learning and control knowledge level systems, webinars, multimedia systems, interactive web resources, video lectures and manuals etc.



## **KARAZIN UNIVERSITY IS AMONG THE BEST ONES**

The School of Medicine, being structural division of V. N. Karazin Kharkiv National University is included into the list of the best Higher Educational Institutions of Ukraine and takes high rating places in the international ranging systems of Higher Educational Institutions.

Higher Educational Institutions of the whole planet are ranged in the most prestigious and famous ratings QS World University Rankings, which is based on the level of scientific researches, teaching quality, perspectives of employments and international perspectives of graduates. Only 6 Ukrainian Higher Educational Institutions are in the list, included V. N. Karazin Kharkiv National University. Among 30 000 of estimated Higher Educational Institutions of our planet V. N. Karazin University and its School of Medicine took 481<sup>st</sup> place included in 500 best Higher Educational Institutions of the planet, and among them Ukrainian Higher Educational Institutions took only the 2<sup>nd</sup> place.

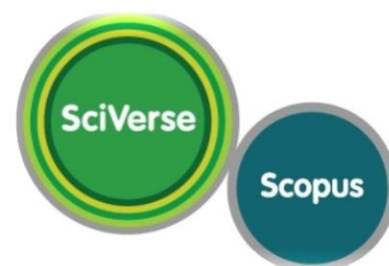


Webometrics Ranking of World's Universities are included into a rating of representation in the Internet of more than 12 000 Higher Educational Institutions in the world. V. N. Karazin Kharkiv National University takes the 4<sup>th</sup> place in this rating

among Ukrainian Higher Educational Institutions and is among the best 1500 universities in the world.



Rating of the world famous scientific system SciVerse Scopus is widely used during estimating science pedagogical potential of Higher Educational Institutions. V. N. Karazin Kharkiv National University and its School of Medicine take the 2<sup>nd</sup> place in this rating list out of 292 educational institutions of Ukraine which are included in it.



Widely famous rating in Ukraine «Top 200 Ukraine», which was developed by UNESCO and it, ranges Higher Educational Institutions in Ukraine as for their quality of preparing students, due to international approval, scientifically pedagogical potential and some other results. All these give the 3<sup>rd</sup> place to V. N. Karazin Kharkiv National University from 200 ones included into the rating of Higher Educational Institutions.

The famous rating of Higher Educational Institutions of Ukraine “Compass” supported by the world bank and according to the words of its organizers who say that it is aimed to determine the Higher Educational Institutions, where the studying has the most practical estimation and meets the requirements of real sector of economics, and also gives the guarantee to graduates to get a perspective job. A similar system of rating, worked out by the popular employers in Ukraine and by the magazine «Money», highly estimates the quality of education in our University. In accordance to these ratings V. N. Karazin Kharkiv National University and its School of Medicine are included into the ten best Higher Educational Institutions of Ukraine.





V. N. Karazin Kharkiv National University and its School of Medicine have been included into the TOP-10 best Higher Educational Institutions of Ukraine according to the Ukrainian Centre of international projects “European education” for a long time, essentially advancing other medical Higher Educational Institutions of Ukraine.



Given rating results emphasize the international and all-Ukrainian recognition of V. N. Karazin Kharkiv National University and its School of Medicine. Karazin’s graduates are always among the best and the most demanded!

Certainly, there are many systems of quality estimation of university education and science pedagogical potential of Higher Educational Institutions and their number essentially exceeds given the list before, but in any system or rating V. N. Karazin Kharkiv National University always takes the leading positions among Ukrainian Higher Educational Institutions and it is highly estimated in the international market of education. The key to success of Karazin University has always been the increase of the quality of education, the highest scientifically pedagogical potential, the centuries-old traditions of classical university education, interdisciplinary contacts and integration of scientifically pedagogical innovating methods in educational process.

## LOCATION IS THE HEART OF KHARKIV

The School of Medicine is located in the Northern building of Karazin University in the historical, cultural and administrative center of Kharkiv.



Architectural ensemble which frames the biggest Liberty Square in Europe and lets the students plunge into the unique atmosphere of history of Kharkiv from the very beginning of studying, and the educational buildings of Karazin University are impregnated through by the spirit of academism of its ancient history.



The spacious rooms, majestic buildings , magnificent view from the windows to the T. H. Shevchenko Garden, old-centuries traditions of the University all together create preconditions for preparing medical specialists of the European level.





## **UNIVERSITY EDUCATION – INDISPUTABLE ADVANTAGE**

The School of Medicine being a part of the oldest V. N. Karazin Kharkiv National University in Ukraine provides unique opportunity for the students to get classical university education, obvious advantages of which are indisputable.





Classical University High School has always been the base of medical science and education in all developed countries of the world. Necessary and essential component of Higher Medical School of our University is the academic triad – unity of education, science and clinical practice.



Certainly, only universities that have developed the base for teaching and studying biomedical and natural disciplines, thanks to using interdisciplinary approaches create ideal conditions for formation and improvement of clinical and scientifically medical thinking of future doctors. The intensive coming into the medical sphere of achievements of computer studies, physics, chemistry, biology, mathematics and other sciences make the essential increasing of the amount and quality of studying fundamental disciplines to create the important doctors of future generation.



The School of Medicine of Karazin University creates ideal conditions for studying fundamental sciences for its students at specialized schools of University. Classical University approaches to teach students such subjects as biochemistry and nonorganic chemistry, physics and biophysics, mathematics and medical statistics, informatics and computer sciences, philosophy and history, medical biology and genetics, foreign languages and fundamentals of economic theory make our Medical School 's graduates be ready for modern, quickly changed, conditions of clinical practice and challenges of medical science.



The opportunity to improve the quality of medical education in our University is essentially wider due to integration into a process of future doctors' preparation of scientifically pedagogical potential of other Schools: biological, physical, chemical, social, historical, ecological, economical, psychological, philological, legal, School of foreign languages and computer sciences. Profound preparation of students in the field of physics, biochemistry, computer technologies and other fundamental sciences make the graduates of Medical School be ready to work effectively with modern medical and diagnostic equipment and let fully master leading methods of treatment and diagnostic.





Studying at School of Medicine in classical V. N. Karazin University, which is one of the most ancient and rating Higher Educational Institutes of Eastern Europe, gives the unique opportunity to our students to get the second university education in the field of economics, informatics, law, management, psychology, applied mathematics, foreign languages and others.





## **LOGISTICAL SUPPORT – EUROPEAN STANDARDS**

The School of Medicine of V. N. Karazin Kharkiv National University proposes the highest level of material support in accordance to European standards of Higher Medical School to its students.

The lecture, practical, laboratory and seminar classes are held in the Northern building of the University, which is located in the historical, cultural and administrative center of Kharkiv, and at clinical classes of the School. The total area of educational rooms of Medical School is more than 7000 square meters which are located only in the Northern building of the University. The area of used rooms for classes in other Schools of the University and clinical studies is more 150 000 sq. m.



Educational rooms are equipped with modern computer and multimedia inventory, video and audio systems, which are necessary for educational process like models, layouts, posters, devices, equipment etc. The total amount of seats for students is more than 4000 in the Northern building of University, 1000 of which are in lecture rooms and around 3000 in rooms for practical and seminar classes, in laboratories, computer rooms, methodical offices, library etc.



Lectures are held in modern rooms only with using multimedia equipment, video and audio systems that let combine classical approaches to educational process with innovations of the present.





A collection of anatomic and histological preparations is created in our School which includes more than 600 macro- and 5000 micro preparations and which are constantly replenished with new exhibits and actively used during students study of normal and topographic human anatomy, histology, pathological anatomy and other disciplines.



3 computer rooms are equipped, completed and function and there are more than 150 personal computers which are switched on to the internal network of Medical School and to Internet. After classes computer rooms are available for students and they may be used for working online, for preparation to classes and scientific work.





For our students we created conditions for network Internet access and internal network of Medical School with using of our portable personal computers and mobile devices in educational rooms. In the halls of the School Wi-Fi network works.

Central Scientific Library of V. N. Karazin Kharkiv National University provides access to our students to four mln. copies of educational and periodical editions, more than 50 000 of which are unique ancient editions and manuscripts, aged over 200-300 years. The Library is one of the oldest and largest in Ukraine (founded in 1804). The Library is equipped with modern automated library informational system of service, electronic catalogue with opportunity to order books via Internet, huge (more than 3 mln.) base of electronic educational and periodical editions in repositories with an opportunity of access to them for students of the University via Internet, 92 personal computers with access to electronic editions and network Internet. The unique Library Fund and reading halls of Central scientific library are located in the main building of the University on the area of more than 10 000 sq. m.



All non-residents and foreign students are provided with comfortable hostels, the general area of them is more than 51 000 sq. m. In the hostels there is Wi-Fi network, an access to Internet network in separate channel, equipped libraries, laundries, cafes, restrooms and sports halls. The hostels are located on the distance of 10-minutes going by transport from the University, providing essential saving of time and money of students.



Students of the School of Medicine have the opportunity to visit sports sections and use sports infrastructure of the University the total area of them is more than 58 000 sq. m. The infrastructure includes 1 stadium, 7 sports grounds of different destination, 12 tennis courts, 1 football field, 15 buildings for sports and recreational classes.





The mass entertaining, cultural and scientific actions, conferences, performances of worldwide famous scientists from different countries and other public actions are held in 2 halls of the University with the total area of more than 2000 sq. m.



On the territory of the University there are 24 canteens, cafes and buffets, which propose the wide diversity of dishes for students at the democratic prices. The medical office works all the time at the University, where high-qualified doctors work and medical aid for students is given by specialized student's hospital No.20. The University has its own recreation facility for students – sports and recreational camp «Fihurovka».





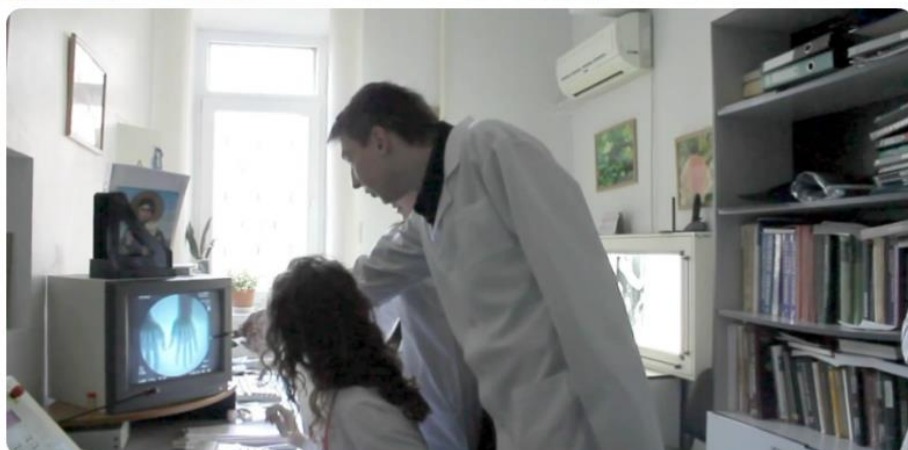
## SCIENTIFICALLY-PEDAGOGICAL STAFF – OUTSTANDING DOCTORS, FAMOUS SCIENTISTS AND THE BEST INSTRUCTORS

Training of future doctors at the School of Medicine of V. N. Karazin Kharkiv National University is held by the powers of the strongest scientifically pedagogical staff. The teaching activity at the School is held by more than 35 doctors of medical sciences, professors, about 150 candidates of medical sciences, associate professors, and 20 candidates of medical sciences, assistants, and also more than 150 assistants without academic degree.

Among the instructors of the School of Medicine there are outstanding scientists and instructors of present, magnificent diagnosticians and clinical physicians, which names are popular far abroad, prof. V. N. Savchenko, prof. E. Y. Nikolenko, prof. E. D. Khvorostov, prof. N. I. Yabluchanskiy, prof. N. M. Korenev, prof. N. N. Popov, prof. E. S. Prochenko, prof. O. V. Hrischenko, prof. H. N. Danilenko, prof. I. V. Belozyorov, prof. S. A. Sherstyuk, prof. V. I. Ponomaryov and many others.



High quality of education is supported by powers of departments' staff with medium experience of teaching activity in Medical Higher Educational Institutions more than 12 years. The departments hold constant improvement of regular personnel on the advanced training courses, thematic improvements, precertification cycles, conferences, meetings, congresses etc.



Leading specialists in separate spheres of medical science pass the students their theoretical knowledge and invaluable practical experience during educational process, develop clinical thinking and skills of medical and diagnostic art since first years of studying.





## STRUCTURAL DIVISIONS – ORDER IN EVERYTHING

In order to improve educational process and intra faculty management at School of Medicine of Karazin University, structural divisions are given, harmonious work of which provides the achievement of the main goal – to provide medical education of highest quality to our students. Structural divisions of School are:

### **Administration:**

- ⇒ Dean of School and its assistants
- ⇒ Dean's office
- ⇒ Dean's office on work with foreign students

### **Eleven educational departments:**



- ⇒ Department of Internal Medicine
- ⇒ Department of Surgical Diseases
- ⇒ Department of Human Anatomy
- ⇒ Department of General and Clinical Immunology and Allergology
- ⇒ Department of Hygiene and Social Medicine
- ⇒ Department of General and Clinical Pathology
- ⇒ Department of General Practice – family medicine
- ⇒ Department of Pediatrics
- ⇒ Department of Obstetrics and Gynecology
- ⇒ Department of Surgical Diseases, Operational Surgery and Topographical Anatomy
- ⇒ Department of Psychiatry, Neurology, Narcology and Medical Psychology

#### **Other divisions:**

- ⇒ Scientific Community of School of Medical
- ⇒ Training Center of Esthetic Medicine
- ⇒ Student's Trade-union Organization
- ⇒ Student's Self-government

## **CLINICAL BASES ARE THE BEST IN UKRAINE**

Training of students of the Medical School of V. N. Karazin Kharkiv National University is held at clinical bases, which are related to the leading Ukrainian treatment-and-prophylactic and scientific institutions.

During the process of educational classes at the clinical bases students get practical skills, necessary for clinical work, they hold clinical surveys and patients interviewing, fill in the medical documentation, get acquainted with the principles and seize technology of work with modern medical equipment, take part in diagnostic and medical actions, consultations, clinical analyses of difficult cases, scientific and practical conferences, symposiums, congresses etc.

Clinical bases of School of Medicine are equipped with the modern medical and diagnostic equipment of the European level, and clinical work is carried out taking into account the last standards of delivery of health care. The most part of establishments from the list of clinical bases of medical faculty are innovators in the areas, the leading scientific and clinical centers known for the works and achievements far outside Ukraine.

Practical and lectures of surgical diseases is given in the Road Clinical Hospital at Kharkiv Station «Ukrzaliznytsya». The Clinic is powerful scientific center and is equipped with the modern medical and diagnostic equipment: surgical videoendocomplexes (MBT-ЭФ (Russia), KarlStorz (Germany), «Endomedium» (Russia); electrosurgical devices (ЭХБА-350М/120Б «Nadiya-2» (Ukraine), ЭХБЧ-200-«Endomedium» (Russia), KarlStorz (Germany); ultrasonic surgical installation

«HarmonicscalpelUltracision» (EthiconEndoSurgery, the USA), Ultrasonography devices (Sonoace 4800 films «Medison», ToshibaNemio и PhilipsHDI 4000), video endoscopic complexes called «Olympus» (Japan), radiological complex Superix 180N and others.



The clinical bases of Department of internal medicine of the Medical School V. N. Karazin Kharkiv National University are the state treatment-and-prevention hospital Central Clinical Hospital «Ukrzaliznytsya» and Kharkiv City polyclinic No. 24.

Public treatment-and-prevention institution Central Clinical Hospital «Ukrzaliznytsya» is the leading medical and diagnostic, organizational and methodical and scientific and practical center of the Ukrainian railroads for neurology, cardiology, neurosurgery, cardiovascular surgery and psychiatry. The range of the help given there is from sharp states to a rehabilitation stage, and also ensures full inspection and specification of the diagnosis for carrying out medical labor examination for workers of railway transport of Ukraine.





The clinical base of the Department of general practice – family medicine is the Kharkiv City Polyclinic No. 26 which is the base for passing of medical practice on internal medicine by students of the 5th course (English-speaking form of education), and also studying of discipline "Organizational fundamentals of family medicine" students of the 6th course.



On this clinical base lectures, practical and laboratory classes, clinical analyses of patients with participation of students are given, there is a formation of practical skills and fixing of the gained theoretical knowledge. Members of student scientific circles of Department take an active part in scientific researches which take place on the basis of clinical bases of Department.



More than 65000 people who live in Dzerzhinsky District of Kharkiv are provided specialized medical care in more than 29 specialties in the polyclinic. Here there are more than 300 employees, among them 89 doctors and 132 average health workers work. In the polyclinic "Schools of arterial hypertension" and "School of

training of patients with diabetes" work, where students of School of Medicine of Karazin University are actively involved.

The clinical bases of Department of Obstetrics and Gynecology are:

- The Kharkiv City Perinatal Center, which is the specialized institution on delivery of health care on an accouchement in premature terms of pregnancy, to the prematurely born newborn and treatment of not incubation of pregnancy.
- Clinic of Reproductive Medicine of academician V. I. Grishchenko – is the modern medical establishment that provides a full range of services for effective diagnosis and treatment of all types of male and female infertility.
- The Kharkiv Regional Student Hospital is the modern diversified preventive establishment which provides medical care on 3 levels: the primary – in 14 Centers of Primary Medical and Sanitary Care and 9 health posts which are directly located in Higher Education Institutions where complex of preventive and anti-epidemic measures is held and primary medical care is provided; the secondary – in polyclinic with 3000 visits per a day in which all kinds of therapeutic and preventive care, including medical examination, are rendered by medical specialists and all necessary diagnostic examinations are carried out; the tertiary – in the hospital for 180 beds for students and 60 beds for the liquidators of the Chernobyl accident. The hospital provides medical care to students of 26 Higher Educational Institutions with III-IV accreditation levels state form of ownership by the 866 staff members, including physicians in 34 specialties.





- Kharkiv City Clinical Hospital No.13. The structure of the institution includes outpatient and inpatient department. Inpatient department is designed for 305 beds. All major medical specialties are accepted in outpatient department. The Clinic include a day hospital on 42 beds in which patients of therapeutic, neurological and surgical profiles can be treated.

Clinical bases of the Department of General and Clinical Immunology and Allergology are Institute of Microbiology and Immunology I. I. Mechnikova AMS of Ukraine, Regional Infectious Diseases Hospital, Regional Children Hospital, Regional Clinical TB Dispensary No. 7 and City Dermatovenereologic Dispensary No.2 on which improvement of practical skills of students of medical school are carried out.



Practical work has the great importance for motivating students during the process of education at the Department of the General and Clinical Pathology of School of Medicine and is carried out on the clinical basis of the Department, which the Institute of General and Emergency Surgery named by V. T. Zaitsev of NAMS of Ukraine is. It is one of the oldest medical institutions of Ukraine, Multi-Surgical Scientific and Practical Center, a well-known both in Ukraine and abroad. There are practical exercises on subjects that are taught at the Department of Surgical Diseases, Operative Surgery and Topographic Anatomy of the Medical Department of the Karazin National University. Classes for ENT diseases are held on the basis of the Kharkiv City ENT Hospital No. 30, which is considered one of the best in its profile in Ukraine.





Clinical bases of the Department of Pediatrics are the Institute for Children's and Teenagers' Health Protection at the AMS of Ukraine, Regional Children's Infectious Diseases Clinical Hospital, City Children's Clinical Hospital No. 24, City Children's Polyclinic No. 23, where improvement of knowledge of students of School of Medicine in the field of pediatrics and pediatric infectious diseases carried out. There are practical lessons of the Department of Hygiene and Social Medicine in the Department of Hygiene of Children and Teenagers of Institute of Protection of Children and Teenagers at the AMS of Ukraine during which students acquire skills of Preventive Medicine and learn the basics of healthcare organizations.



Disciplines of the Department of Psychiatry, Narcology, Neurology and Medical Psychology are studied Military-medical clinical center of the Northern Region and the Kharkiv Regional Clinical Narcological Hospital. The medical maintenance of military units, military educational institutions, military establishments and organizations of the Ministry of Defense of Ukraine which are deployed in the Chernigov, Sumy, Poltava, Kharkiv and Lugansk areas are assigned to Military Medical Clinical Center of the Northern region. The Kharkiv Regional Clinical Narcological Hospital provides narcological treatment to patients in the form of outpatient care, urgent and planned hospitalization. Medical-diagnostic work is aimed at improving the quality and efficiency of diagnostic and treatment process. Patients with narcological pathology consult with researchers from the Institute of Neurology, Psychiatry and Addiction at the AMS of Ukraine and staff of the Department of Psychiatry, Narcology, Neurology and Medical Psychology of School of Medicine of the V. N. Karazin Kharkiv National University.





## STUDENT WORK IS THE PRIORITY NO. 1

Educational work of School of Medicine of Karazin University is one of the priority directions of its activity. Educating students is carried out in Ukrainian, Russian (for Russian-speaking foreign students) and English.

Education of students is held in accordance with the recommendations of typical programs of disciplines approved by the Ministry of Health and Ministry of Education and Science of Ukraine. Its improved within regulated standards by Cathedral teams. Teaching all disciplines is carried out according to the recommendations and regulations of Bologna Process.



The educational process is realized with the use of modern multimedia and computer technology, sufficient amount of evident materials with active involvement of students to clinical and scientific work of Departments, and also with application of innovative approaches to carry out the educational process (online consultation for students, discussion with students of various questions in a voice and text chat, remote control of training of students for license examination of KROK, etc.).

In the course of educational activity at School of Medicine students are able to experience the modern medical and diagnostic equipment which is provided by clinical bases of School and university Departments. Practical trainings are carried in conditions which are more closed to the real ones. Students together with instructors of Departments take part in clinical examination of patients, in a choice and carrying

out therapeutic and diagnostic procedures in specific clinical situations, participate in clinical reviews, symposia, formal care conferences, etc.



Particular attention in the learning process of students is given to preparing for the license test examinations of KPOK 1 and 2 which are carried out with the analysis of tests of all available databases and forms of tests, specifically designed for School of Medicine of the software, computer classes and multimedia equipment, Internet system of distance preparation and control knowledge level, full-time and on-line counseling by lecturers of questions in preparation for KROK during the entire period of the study subjects with an even distribution of the test load for students.



The high level of training of medical students for examinations of KROK is confirmed by their results by which School of Medicine annually holds the leading rating positions among medical universities of Ukraine.

During educational activity the best students are selected and prepared by instructors of Departments to take part in All-Ukrainian Olympiads, competitions, conferences, congresses, etc. in a specific discipline where medical students every year win prizes every year and are encouraged with diplomas, thanks, certificates, distinctions and others.



## THE METHODOICAL WORK IS BASIS FOR EFFECTIVE TEACHING

Methodical work of School of Medicine of V. N. Karazin Kharkiv National University is carried out on a constant basis, and its result is a complete methodological support of all the disciplines studied by students. The methodical materials prepared by the scientific and pedagogical staff of School of Medicine are available to students in electronic form, online, on servers of an internal computer network of School of Medicine, in an electronic repository of University, and also in printing.

Methodical work of scientific and pedagogical staff of Medical School during its existence from the moment of revival in 1992 preparation is result of tens textbooks with a signature stamp of the Ministry of Health and the Ministry of Education and Science of Ukraine, hundreds of monographs, thousands of educational and training manuals, including more than 200 – in English.

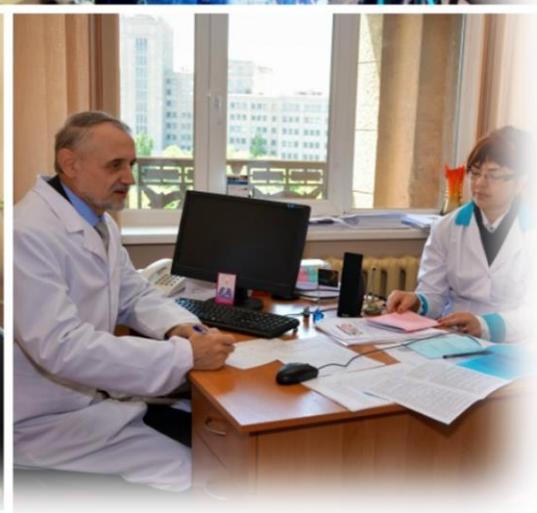




On all disciplines which are studied by students of Medical School of Karazin University during training, are developed and the packages of methodical providing including working programs, calendar and thematic plans, techniques of an assessment of knowledge and abilities of students, methodical recommendations to a practical training and for independent work of students, the instruction for students on training in the conditions of Bologna Process are constantly supported in an actual state, bases of test and situational tasks for the current and total modular control of knowledge and abilities of students, lists of control questions and the recommended literature, texts and multimedia presentations of lectures and others.

## **SCIENTIFIC WORK - ON THE WAVES OF SCIENTIFIC PROGRESS**

Scientific work of School of Medicine of V. N. Karazin Kharkiv National University is an integral part of its activity. The scientific and pedagogical staff of School of Medicine, thanks to their researches, is recognized as leading experts in the branches of medical science not only in the territory of Ukraine but also abroad.



Structural divisions of School of Medicine perform the following research works: "The use of fullerene C 60 and cryopreserved cord of blood serum in the treatment of myocardial necrosis (experimental study)"; "Development and research of system of automatic control of variability of a warm rhythm in cardiological practice"; "Drug therapy of patients with implanted pacemakers"; "Practical aspects of using electromagnetic radiation in medicine and agriculture"; "Develop effective technologies of treatment and immunorehabilitation of sickly children with lymphadenopathy syndrome and immunoprevention of infectious diseases"; "The role of immune, autoimmune and metabolic disorders in the pathogenesis and outcomes of infection caused by the herpes viruses"; "To study influence of medico-social factors on formation of health of academically capable children of middle school age"; "To develop hygienic actions for prevention of diseases of teenagers at their professional self-determination"; "Pathological anatomy of individual systems of fetuses and newborns of mothers with complications of pregnancy"; "Pathological features of formation of the fetus and newborn under the influence of pathology mother"; "Studying of heterogeneity of metabolic and immune violations and carrying out their correction before and after a splenectomy at patients with a myasthenia"; "New technologies in treatment of diabetes mellitus"; "To study features of pathogenesis of transitory pain in a back at circadian rhythms"; "To investigate prevalence of transitory pain in a back among lecturers and scientists in the city of Kharkiv"; "Pathological anatomy of immune system of the person is under the influence of autoimmune diseases"; "To improve the diagnosis of Helicobacter pylori-associated gastroduodenal diseases among teenagers"; "The importance of intracellular pathogens in infectious diseases in children"; "Identify the features of the mechanisms of formation of hypertension in obese adolescents"; "To define mechanisms of formation of diastolic dysfunction of the left ventricle of heart at teenagers with myocardium pathology"; "Studying of questions of psychodiagnostics, etiopathogenesis, clinical features, currents, prevention and treatment of mental and behavioral disorders"; "Studying of features and optimization of use of a splenectomy at treatment of hematologic patients"; "Studying of clinically – pathogenetic mechanisms of development of an undifferentiated dysplasia of connecting fabric and remodeling of elastic and fabric structures of an organism" and others.

Scientific and pedagogical staff of Departments is collaborators of a number of the international scientific researches in the field of pharmacology, therapy, cardiology, pediatrics, surgery and others.

From the moment of revival of School of Medicine in 1992 its staff have defended more than 75 candidate and 15 doctoral dissertations. Currently more than 60 master's and 12 doctoral theses are planned and executing by staff of School of Medicine.



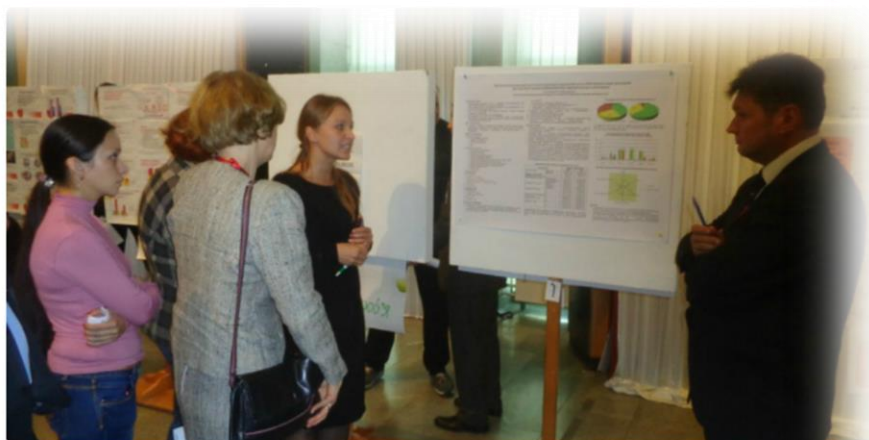
Results of research works of staff of School of Medicine from the moment of its revival in 1993 are displayed more than in 150 articles in magazines which have an impact-factor and enter foreign scientometric bases, more than in 2000 articles in domestic specialized publications, more than 2000 articles in other publications. The innovative approaches used in scientific researches of School of Medicine of Karazin University are confirmed with about 200 patents and copyright certificates.

The School of Medicine is the organizer of 150 scientific and practical conferences, including 58 – international. The staff of faculty with reports on the results of their own research took part more than in 500 conferences, congresses, symposiums, forums, etc., including about 200 – international.



The School of Medicine closely cooperates colleagues from Kharkiv and Ukraine as well as from other countries. Contracts on exchange of experience, scientific cooperation and carrying out joint research works with the following research and clinical establishments are signed: Kharkiv City Prenatal Center, V. I. Grishchenko Clinic of Reproductive Medicine, University of Aberdeen (UK), IBM Academic Initiative (USA), University of Barcelona (Spain), Roma University (Italy), Institute of Microbiology and Immunology n.a. I. I. Mechnikov AMS Ukraine, Institute of Backbone and Joints Pathology n.a. professor M. I. Sitenko , V. T. Zaytsev Institute of the General

and Urgent Surgery of NAMS of Ukraine, NATO, MCVB (Australia), WSPID (South Africa), The Japanese Society of Gastroenterology (Japan), Ukrainian NDI of Social and Judicial Psychiatry and Narcology of The Ministry of Health of Ukraine, A. I. Meshchaninov Kharkiv City Clinical Hospital of Ambulance and Emergency Medical Service, Swedish Institute (Sweden), School of Public Health (Department of Medicine SUNY Medical Center, USA), The Kharkiv Medical Academy of post degree education, National Medical Academy of post degree Education, Institute of Therapy of NAMS of Ukraine of L. T. Mala, National Technical University "Kharkiv Polytechnical Institute" and others.



Integral part of scientific work of the Medical Department is the organization of work of student scientific circles, which are structural divisions of Scientific Community of Students, graduate students, doctoral candidates and young scientists of department. For years of existence community 12 conferences with the international participation are held by members of Scientific, more than 150 articles and theses are published, close scientific contacts with scientific organizations of all medical Higher Educational Institutions of Ukraine of the near and far abroad are established.

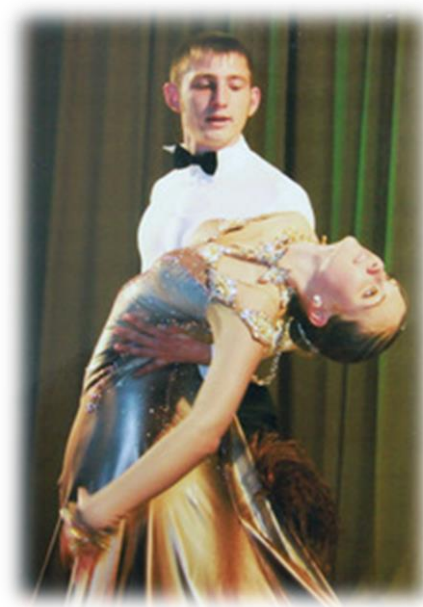


## CULTURAL LIFE IS INTERESTING HERE

Students of School of Medicine of V. N. Karazin Kharkiv National University are engaged not only in education, clinical and scientific work. The cultural center of Karazin University organizes, coordinates and develops all direction of extracurricular work with students, which are related to the process of revival, and development of Ukrainian culture, this center ensures the implementation of artistic creation of students and staff of university organizes different forms of leisure, executes socio-cultural orders of departments of the University.



Students of School of Medicine are included in creative associations and collectives of amateur performances: Academic Student Choir, Folk Dance Ensemble "Sontsevorot", Ensemble of Modern Pop Dance "Favourite", KVN Department Team, Team of Modern Hip-Hop Dance, Club of poetry fans, etc. Great attention in University is paid to the development of genre of solo singing. A large number of students which engaged in vocal are winners of city, regional, All-Ukrainian and international Contest of Popular Music.





Students of School of Medicine take an active part in traditional university-wide competitions: "Ms. University" and "Mr. University", the dedication of the first year students and graduation ceremony of students, creativity contest "Alma Mater" for the first year students, the festive concert concerning days of Schools and University and others.





## PHYSICAL CULTURE AND SPORT ARE UPBRINGING OF HEALTHY GENERATION

On School of Medicine of V. N. Karazin Kharkiv National University all conditions for physical development and preservation of health of students are created. Competitions for the Cup of Rector in mini football, basketball, table tennis and other sports are held on a constant basis in the University. University combined teams, which include students of School of Medicine every year take part in the student Spartakiad among High Educational Institutions of the Kharkiv region, in All-Ukrainian sport competitions and competitions on international level.



For the students which have a proper sports preparation there are sections in such sports as basketball, volleyball, boxing, kickboxing, tennis, table tennis, fencing, soccer and mini football, athletics, weightlifting, fitness, sambo, orienteering, chess and checkers, self-protection, water tourism.



All students of School of Medicine are able to engage in physical training during the whole period of education under the direction of skilled instructors of Department of Physical Education of University by using modern sports equipment.



A number of measures are held to preserve and strengthen health of students due to the initiative of President of Karazin University Professor V. S. Bakirov. Thus School of Medicine represented by the scientific and pedagogical staff, clinicians and students of Scientific Community of Medical Department is the executor of the university program "Health of Students"; during the implementation of the university program the number of preventive measures have been developed to preserve and



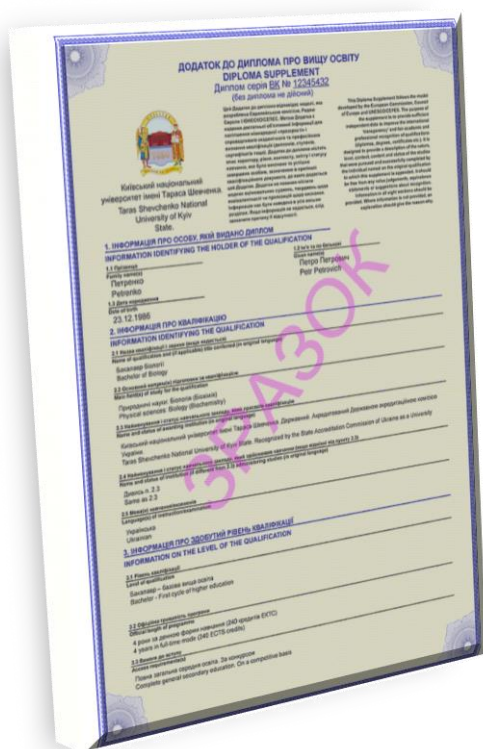
improve the health of students, form the moral, physical and mentally healthy generation.



## INFORMATION FOR ENTRANTS IS MAIN CHOICE IN THEIR LIFE

Today School of Medicine of V. N. Karazin Kharkiv National University is one of the leading Medical High Educational institutions of Ukraine on training of doctors of educational and qualification expert level on specialty 6.1101 "Medicine", 7.12010001 "Medical case" (the certificate of RD-IV No. 219309 and the license AVATARS No. 498462 of November 25, 2009).

Teaching students is carried out on the standard programs which have been improved by scientific and pedagogical staff of School and recommended for doctor's training by The Ministry of Education and Science and The Ministry of Health in Ukraine and they have been constituted according to the principles and requirements of Bologna Process. In process of education on School of Medicine of Karazin National University students are offered an extended amount of knowledge in the basic sciences (computer technology, biophysics, biochemistry, medical biology, genetics, etc.).



The term of study on School of Medicine is 6 years with the subsequent issuance of a state diploma to students (in Ukrainian and English), and the possibility of obtaining an application for an international diploma – diploma supplement. Diploma is filled in accordance with the structure developed by the European Commission, the Council of Europe and UNESCO / CEPES, which contributes to the international recognition and understanding of graduation. To qualify for the medical work graduates of School of Medicine undergo internship (master's degree, postgraduate degree, clinical residency) at the Departments and Institutions of Postgraduate Education of Doctors.

All medical specialties are available to our graduates, including pediatrics (according to the order of The Ministry of Health of Ukraine No. 621 of 21.11.2005), except stomatology and medically preventive case.

The students of School of Medicine of V. N. Karazin Kharkiv National University have rights on education on the program for reserve officers of the Medical Service at the Department of Disaster Medicine and Military Medicine of Kharkiv National Medical University of military occupational specialties (MOS) – 901100, medical aviation case (general practice).



In the process of education and after the students of School of Medicine are able to undergo internship in other medical educational institutions in Ukraine and abroad, including European countries with which student exchange programs, programs of internship and exchange of experience have been developed and implemented, and also cooperative complex scientific and clinical research are conducted.

Regulations of Admission to School of Medicine of V. N. Karazin Kharkiv National University are changed during global reform of the higher education system of Ukraine, which is aimed at achieving European standards of higher education. Current information (the form and the list of submitted documents, templates and forms, necessary certificates, rules of admission and of the admission campaign, etc.) The future students can obtain from the contact list below:

The site for entrants of V. N. Karazin Kharkiv National University	<a href="http://www.start.karazin.ua">www.start.karazin.ua</a>
Site of School of Medicine	<a href="http://www.med.karazin.ua/future-students">www.med.karazin.ua/future-students</a>
E-mail	<a href="mailto:med@karazin.ua">med@karazin.ua</a>
Department of contract education of V. N. Karazin Kharkiv National University	<a href="http://www.univer.kharkiv.ua/ua/entrant/contract">http://www.univer.kharkiv.ua/ua/entrant/contract</a>
Group of School of Medicine of "VKontakte"	<a href="http://www.vk.com/medkarazinua">www.vk.com/medkarazinua</a>

## CONTACT INFORMATION – WE ARE ALWAYS IN TOUCH

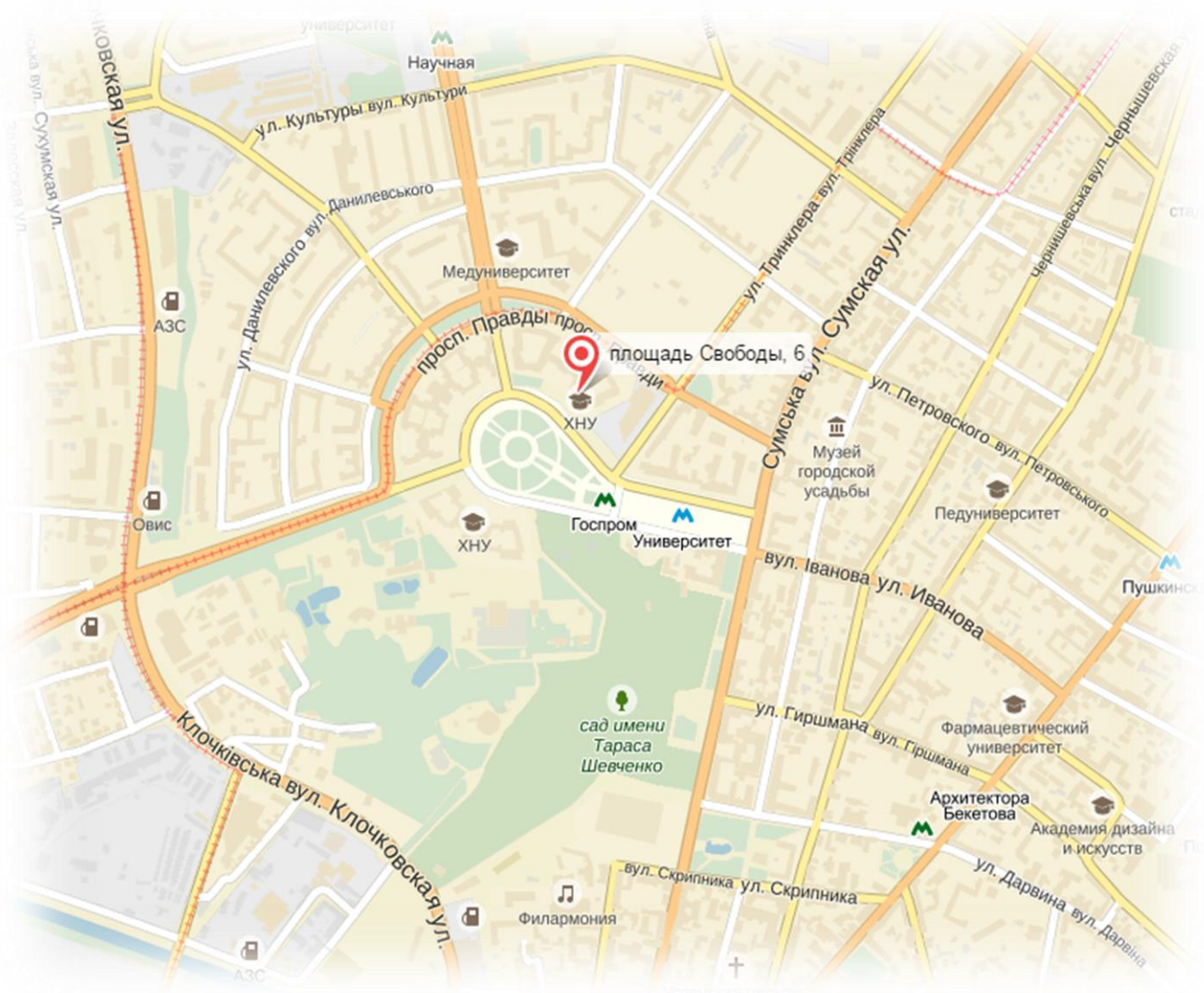
**Address:** V. N. Karazin Kharkiv national university, the School of Medicine, sq. Svobody, 6, Kharkiv, Ukraine, 61077

**Website:** [med.karazin.ua](http://med.karazin.ua)

**E-mail:** [med@karazin.ua](mailto:med@karazin.ua)

**Phone:** +380 57 707 54 50

**Location map:**





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