



**THE UNIVERSITY OF
MEDICINE AND
FARMACY OF
TÎRGU MUREŞ**



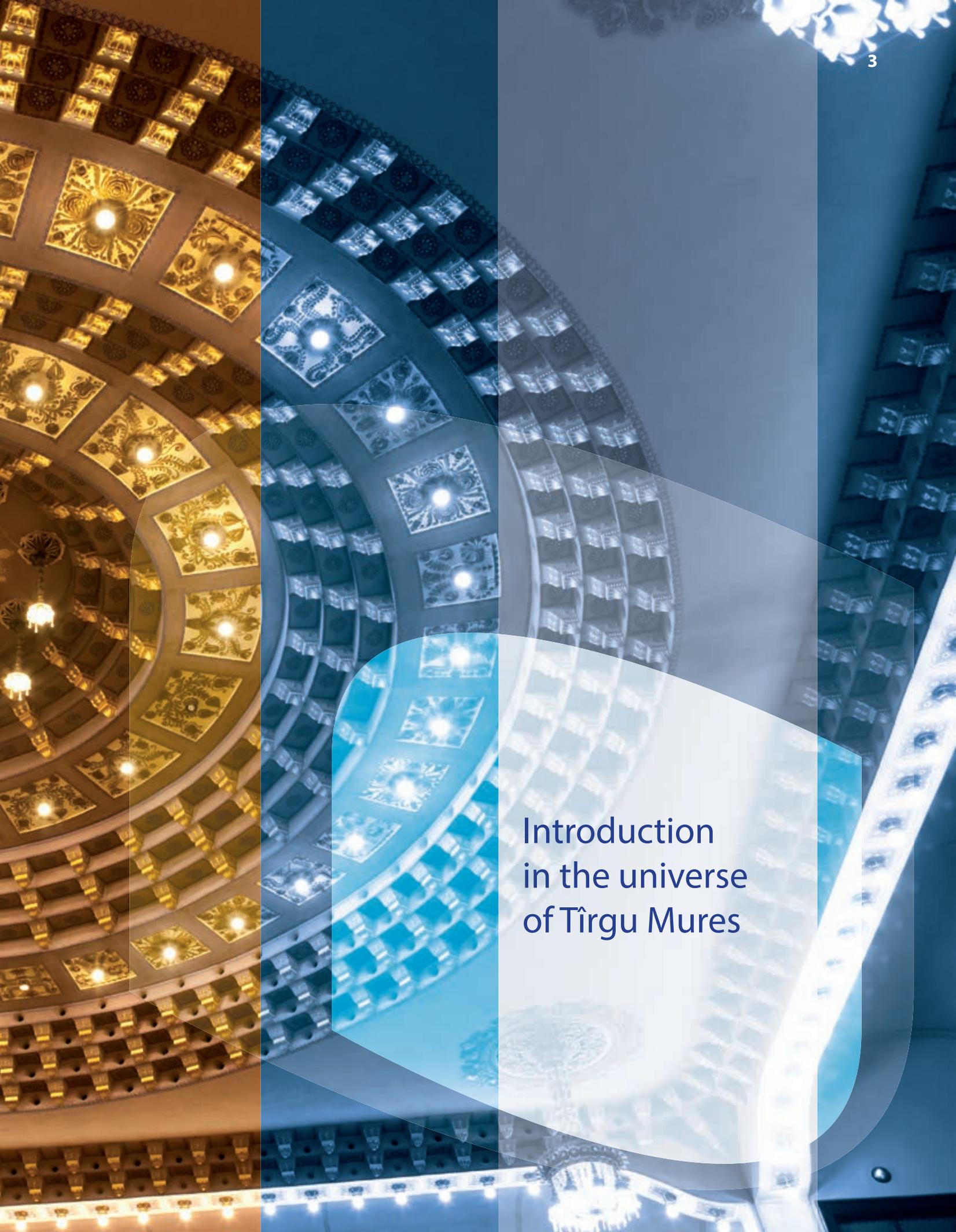




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Introduction
in the universe
of Tîrgu Mures



The universe of Tîrgu Mureş

You are in Romania, in the heart of Transylvania. Once visited, Tîrgu Mureş remains a signature in your life. A signature marked not on paper but one that marks your soul. No matter how much time you spend here, the city turns into a trunk of memories, even if dusty over the years, you will remember it fondly... it is an album not full of pictures but full of life itself. Tîrgu Mureş can be your morning coffee if you let yourself paced into this alert life style or that five o'clock "English tea" from if you allow it to present you its culture.

If you got bored of the sobriety offered by the buildings, we invite you to relax on Corneşti Plateau, which offers a great panorama of the city, or a pleasant walk in the Zoo. Downhill, you can visit the recreational Weekend Complex located on a stream, the Mureş River, unique of its kind in South-Eastern Europe.

Our city is careful to express its loyalty to what is beautiful as well as to the Romanian-Hungarian culture. You will be welcomed with a strong historical feeling if you allow it to walk you on its narrow medieval streets where every corner whispers a story of the past; the alleys and parks welcome you with flowers, which symbolize the love of the citizens for beauty and for the guests who come and always return here; it is a trend of civilization, of society, of common sense and responsibility.

Today Tîrgu Mureş promises something to each of us; restaurants scattered all over the city centre are eager to demonstrate why the Romanians and Hungarians love culinary art; the theatre, the philharmonic and the museums closely intertwine the cultures of the two nations. The cathedrals and the ancient fortress are excellent places to get acquainted with history and spirituality; libraries shall be addressed to the heart and mind alike; the parks delight your soul and guide your steps; the love of man and life is found in the medical culture, culture that represents us everywhere in the world- a trophy won over time.

Up the hill lies, elegantly as it is, one of the most prestigious state institutions of higher education in Romania with a multicultural and multilingual status, The University of Medicine and Pharmacy of Tîrgu Mureş, by which the city takes on a youthful vibration given by the thousands of students that hosts.

Tîrgu Mureş, the essence of spirituality and intellectuality, will sprinkle the magic of your journey and will always remain a beautiful memory in your heart.







The University
of Medicine and
Pharmacy of
Tîrgu Mures –
an inspiring
place



An inspiring place

Situated on a hill that overlooks the city, an imposing building has a distinct impact on the lives of the citizens – The University of Medicine and Pharmacy of Tîrgu Mureş. The dendrological park that surrounds the University on all sides protects it from the monotony of the town as an island of greenery perfectly integrated to her role as a model of her disciples of Asclepius, determined to relieve human suffering and help others.

From the entrance, the overwhelming beauty of the place is perfectly complemented by the architectural harmony of the main building, where the daily bustle of students is the only one that disturbs this place.

Being considered, for a long time, a heritage of the city, the University offers a unique perspective on the place. Behind it, a well-attended botanical garden, that integrates the abundance of the surrounding vegetation, is a place for recreation, but also serves as the base material for students of the Faculty of Pharmacy, a unique advantage that sets it apart from other medical training centres in Romania. Hidden from the eyes of the passersby, the University laboratories (located in the main building as well as in the annex ones) are a surprising shift from the external beauty of the building that has the emblem of time, to the dynamic reality of the twenty-first century technology. The Integrated Dentistry Centre is a modern, practical place which impresses you with its beautiful and sober architecture, appropriate for the general appearance of the entire academic complex but also by the futuristic and cutting edge equipment, the dream of every aspiring dental student.

Outside, the herb garden (where the student has the possibility to study both aromatic plants, with their distinct scent, as well as the toxic ones, which remain however a priceless source of active ingredients) complements the landscape that seems a world removed from a story.

To all this, the vast Sports base is added—one of the most modern sports facilities in Romania, tennis courts and lighted football fields, a gym and the University Sports Club—which makes studentship at the University of Medicine and Pharmacy remain an unforgettable experience.







The University
of Medicine and
Pharmacy of
Tîrgu Mureș –
mission and
objectives



Perspectives

The perspective of the University of Medicine and Pharmacy of Tîrgu Mureş, cannot only be a beautiful dream, a theoretical concept, but must take into account, in a pragmatic way, the present, to foresee and overcome the difficulties that may arise, and to be able to allow each Member of the academic community to permeate through his interests and motivations in the institutional design, the way it will be in the future.

The University of Medicine and Pharmacy of Tîrgu Mureş contrives intelligence, creativity and diversity of its available resources in a stimulating environment for students and teachers to serve the city and society and to remain a landmark in the national and international academic world.

In this way, the city will be enriched and the University will be able to generate innovation and progress for society as well as professional fulfilment for its members.

Mission and values

We belong to a university tradition that has an inheritance worthy to be transmitted to the successors. It constitutes a first-rate mark of Romanian medicine and pharmacy. The accumulated capital is exploited and multiplied, especially in the areas of performance. We have undertaken a mission and a set of objectives which may be developed on a sustainable basis only by mastering the fundamental values which the University honors and promotes in all its decisions:

- **Humanism** – we are a university with medical-pharmaceutical profile in which the goal is the human being, whether student or patient. Their interest is of first importance;
- **Diversity**- we are parts of cultures which even if distinct, by having lived together for centuries, have influenced each other. If put together in a constructive intercultural form, they can and should induce a synergic effect and should be the engine of progress for the University;
- **Freedom of thought and of expression** – are not only rights but also evidence of spiritual and professional maturity, they are inextricably linked to the values of tolerance and mutual respect. These rights are guaranteed when honestly stated without affecting the others' dignity.
- **Value**-as the most important resource of the University according to which each of its members is entitled to receive recognition of his/her merits and identification of the suitable professional form of development;
- **Solidarity** – we belong to a community that we joined, which adopted us and it is the responsibility of each of us to defend its interests and image.

Objectives

- **Establishing and developing information** -as a research institution, the University promotes excellence in research, focusing on innovation, resource development and encouraging value and performance;
- **Transfer of creative information and professional experience to students** – as an institution of higher education, the University provides university study programs able to face the work market so that the “mark of Tîrgu Mureş graduate” represents a guarantee of quality, superior qualification and professional success;
- **Application of knowledge in the medical practice of excellence** – as elite professionals in health, members of the academic staff ,in their clinical work and in the relationship with the pharmaceutical industry, they cultivate and develop the brand of an academic medical center of distinction in Romania;
- **Providing an effective University management**, an effective leadership, of a corporate and entrepreneurial type that implements concrete measures based on objectives, distinct responsibilities, quantifiable results.





The University
of Medicine and
Pharmacy of
Tîrgu Mures –
an outstanding
medical and
pharmaceutical
university



The University of Medicine and Pharmacy of Tîrgu Mures – an outstanding medical and pharmaceutical university

The years past since the University of Medicine and Pharmacy of Tîrgu Mures has been founded has meant the necessary time to define its own identity. By tradition, commitment, responsibility and dynamism it has become a landmark in the Romanian medical life. Today, it is a historical witness of hard work, feverish enthusiasm of past and present staff, put at the service of several generations of specialists in the field of health.

The predecessors' brave acts proved later their usefulness. The University of Medicine and Pharmacy of Tîrgu Mures became a school of thought, of renewal of ideas and creative intelligence polarization in a permanent ascent.

Today, the University has a privileged link with the youth of a nation; it is responsible for the training mission focused on education-research-innovation, fundamental in a Europe of knowledge.

The quality of medical education in our university is a defining feature, an emergent property resulting from design, integrity and resources which promotes and encourages a policy of quality.

At present, the University of Medicine and Pharmacy of Tîrgu Mures runs the following programs of studies:

Licence and master's degree studies

Degree	Faculty	Study programme	ARACIS Accreditation/ Authorisation	Number of credits	Course type	Teaching language
Graduate	Faculty of Medicine	Medicine	Accredited	360	Full-time	Romanian Hungarian English
		Midwifery	Authorised	240	Full-time	Romanian Hungarian
		Nursing	Accredited	240	Full-time	Romanian Hungarian
		Kinetotherapy	Accredited	180	Full-time	Romanian
		Nutrition and dietetics	Accredited	180	Full-time	Romanian
		Physical education and sports	Authorised	180	Full-time	Romanian
	Faculty of Dentistry	Dentistry	Accredited	360	Full-time	Romanian Hungarian
		Dental technicians	Accredited	180	Full-time	Romanian
		Dental assistance	In course of dissolution	180	Full-time	Romanian
	Faculty of Pharmacy	Pharmacy	Accredited	360	Full-time	Romanian Hungarian
		Pharmacy assistance	Accredited	180	Full-time	Romanian
	Masters	Faculty of Medicine	Clinical laboratory	Accredited	120	Full-time
Clinical and community nutrition			Accredited	120	Full-time	Romanian
The management of health services			Accredited	60	Full-time	Romanian
Physical therapy and functional rehabilitation			Accredited	120	Full-time	Romanian
Advanced medical and pharmaceutical scientific research			Accredited	60	Full-time	Romanian
Faculty of Pharmacy			The quality of drug, food and environment	Accredited	60	Full-time
		Medical biotechnology	Accredited	60	Full-time	Hungarian
		Cosmetology and dermatopharmacy	Accredited	60	Full-time	Romanian
Faculty of Dentistry		Protetic technologies on implants	Accredited	120	Full-time	Romanian



Doctoral studies

The school provides the students' doctoral and extensive training by means of specific courses, seminars, assessment, and scientific research.

The accredited fields are Medicine and Pharmacy. The quality standards required from the doctoral students at the moment they defend their thesis, the internal research grants awarded by competition and the association with the Master's program in advanced scientific research, are all factors that enable the Doctoral School to create the necessary frame for a high performance doctoral program.

Postgraduate studies

The road to practise as a doctor is a long and troublesome one. And certainly, there are few other trades in which distance from the status of simple students to that of professionals is so big and there are many steps to climb.

For medical careers-aspirants, the first steps are often meant to test their enthusiasm. It is because, instead of the long-awaited contact with the patient, they meet, at another level, what they already acquired during the years spent in high school.

Biology, physics, chemistry, applied this time to the functions of the human body will represent the foundations of the further understanding of diseases and the way they can be treated.

Years on the desks of the medical school will also mean the contact with the bedridden ones which is in fact the essence and charm of training in medicine. What is missing in these years is the feeling of personal responsibility for every decision to be made. The future doctor/ pharmacist is more of a spectator than an actor involved on the stage in the fight for health.

But the true step forward in the professional training is made during Residency. Here the meaning of the road to be followed in the future becomes clearly stated, it is the outcome of, perhaps, the most difficult examination in a medical career. Even if, even now, the goal is learning, it is done from a different position. Along with scientists, the doctor/pharmacist learns responsibility, the weight of medical decision and last but not least the attitude he should have further.

What does the future specialist need for a complete training? Hospitals in which high-quality medicine can be practised. A library in which both letters printed on paper and electronic databases can ensure access to the latest information. The possibility to circulate freely throughout the European area and beyond, to come into contact with what modern medicine means and when it is needed to bring it home, to us. And first of all he (the specialist) needs professionals who know how to guide one's steps when medical science exceeds the bounds of science and becomes an art. And today, the medical school of Tîrgu Mures has all of them.

Residency is the specific form of postgraduate education for the graduates of the Faculty of Medicine, Dentistry and Pharmacy, providing them with the necessary training to obtain one of the specialties included in the List medical, dental and pharmaceutical specialties.

Residency training is in accordance with the curriculum and is coordinated by teachers with specialised training.

Postgraduate courses organised by the University of Medicine and Pharmacy of Tîrgu Mures have a positive impact on the city, county and country. The syllabus corresponds to field of study or to an interdisciplinary specialty.



Quality and competence of European medical education

A physician or a pharmacist should be able to answer to two questions : *why?* and *how?* If the first question is particularly a theoretical one, appealing to the information gathered over time, and to the ability to integrate and synthesize, the reply to the second one implies a quantifiable demonstration of the ability to do what one knows. And that is acquired through practice , through repetition .

The University of Medicine and Pharmacy initiated a process of curriculum reform as far as the practical and clinical training is concerned so that students get a clear view on what they need to learn to do over the years of study. In this regard, a *Simulation and Medical Skills Centre* was open within the University, which has three departments: *Medical Skills*, *Medical Simulation* and *Standardised Patient*.

A component of this endeavor is the introduction of the *Notebook of Practical Skills* for the faculties of Medicine, Dentistry and Pharmacy. The notebook is intended to be a portfolio of maneuvers and techniques that the student has learned and exercised during his/her internships and practical lab works. This tool accompanies the student and is a part of his/her assessment upon graduation. The printed version of the notebook is complemented by an *online mobile application* that any student of the University can download and install on an electronic communication device. The application is just one of the features of a more complex *e-learning platform* under implementation.





The University
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Pharmacy of
Tîrgu Mures –
a research
university



The University of Medicine and Pharmacy of Tîrgu Mures – a research university

Health is a priority of European research. Currently, multidisciplinary and intersectoral research projects are aimed at improving the overall quality of life by preserving health: improving health and aging in good health.

Our institution promotes applied research and basic performance – a school of human resource training, and a source of knowledge and prestige. To ensure a high level of health protection, to better understand human diseases and discover new remedies, our university joined in the activities and strategies of European research in health, targeting different directions: biomedicine, genomics and biotechnology. International cooperation and the formation of teams to work in a network, the increase of mobility of specialists and the assurance of dissemination of ideas are some of the actions meant to promote and facilitate integration into the international elite scientific world.

Scientific research, an issue of increasing complexity, has been and still is the main objective of our University, involving teaching staff, doctoral students, residents or students. Starting from the fundamental idea that a university without research is only a school, strategies have been focused on the following directions:

- programming, production, capitalisation;
- correlation with the practical needs in the medical and pharmaceutical fields;
- promoting the concept of entrepreneurial initiative in research;
- performance appraisal in conjunction with individual results in basic and applied scientific research.

Our University has made financial investments to support research, developing the material background, fostering human resources. Currently there are flexible and dynamic interdisciplinary research teams, whose leaders are role models for young researchers for the doctoral students and the undergraduate ones. The University organizes an annual internal competition and provides funding for two types of research grants: one intended for young researchers and the other for multidisciplinary research teams.

The University has research laboratories with advanced equipment and multiple functionality and the results is reflected by publications, grants/ research contracts, participation in national and international scientific meetings in all medical areas.

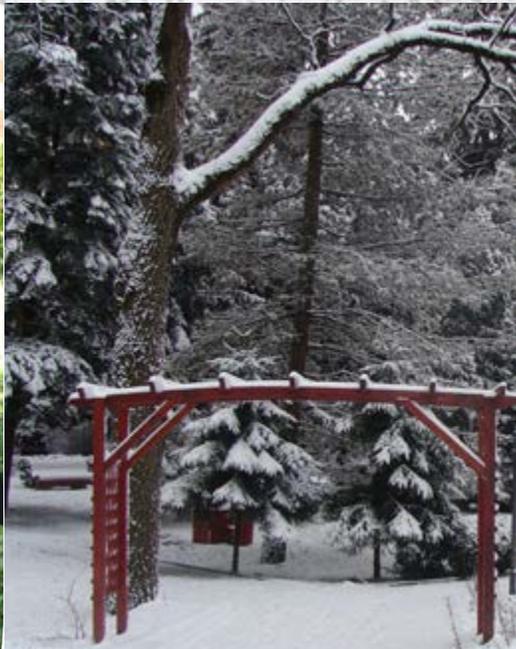
The research activities can be seen in articles published in journals, specialised books, grants (CNCSIS, CEEX, Partnerships, Capacities, PC7, PN II or IDEI), projects and innovative patents in the field, international mobility for both doctoral students and teaching staff, as well as undergraduate students, collaboration and participation in renowned scientific events, doctoral and postdoctoral programmes coordination, bilateral agreements of international Erasmus scholarships with several prestigious universities in the world. All these various and complex aspects of ongoing research overlap in our university and sustain each other to form a core value in research.







The University
of Medicine and
Pharmacy of
Tîrgu Mures –
unique student
experience



The students... about the university

The young people who come in Tîrgu Mures as students easily fall in love with this romantic and cheerful city which is full of surprises, with a variety of traditions and offers for the mind and the soul.

The two ethnic cultures that represent us have woven so tightly that they have left their mark on tradition, education, customs, cuisine and student life as well.

Students from across the country or from abroad have joined us. There are several undergraduate programmes in our city ranging from the medical to the artistic, economic or engineering fields, each adding a spot of colour to the portrait of our city.

On the streets of our city, in parks, at concerts or in libraries one meets students who speak many languages ??and at the same time a mutual one because in this family we have recently adopted students from around the world who come to the University of Medicine and Pharmacy of Tîrgu Mures to study in English, each of them from another country, with another culture, another accent or skin colour, other desires and dreams which they share with the other ones, and thus we find ourselves at the dinner table among a real European family.

The universities of Tîrgu Mures constantly prepare for many students a diary full of vibration, a show of emotions. Illusions have been woven and, probably, delusions too. Concepts of professional and social life have risen here. The youth are the microcosm mirrored in the macrocosm of the intellect. Depending on experiences, one can compare the University with an excerpt from a tumultuous work by Bach or an intimate caress, a whisper sweet of Vivaldi's. This academic world has, for many people, turned into a sanctuary of promises, of motivation, of the desire for knowledge and proving the best one can do. Sometimes it is the ego with which they merge, sometimes a dreary maze with pastels which claims the key to knowledge, patience, the thoroughness and responsibility.

Hardly having left high school, each of the students have had different parts on this academic scene, some probably minor parts, dusty ones but which in time have become major parts, with a certain perspective, parts which show that everybody plays an important role in society.

The students from the Drama School express our emotions, those attending the School of Economics guide us in life and society, those from the Faculty of Engineering assure the future of science and equipment, and those from the Medical School look after the bodies and souls of the other ones, as in a real family.

One student recently confessed something that I had always known: "For me, the University was a thrilling puzzle where with patience and a sense of responsibility I distinctly unravelled its mysteries and role. And it has marked me forever. And I will return to this place, as often as I can, because this university is always young, dynamic, challenging and open..."

Here in Tîrgu Mures the prestige of the medical society was born in which ethics and love for the human being are printed on one's business card. In this way, student life is metamorphosed into a mix of powerful emotions.





Here students learn and feel the meaning of the word respect together with their teachers, they learn that fair play of the mind in confrontation with their opponents and they become the accountants of their personal priorities.

Here, on the hill, there is big bustle in the classrooms or laboratories, and in the sports basements of European level, in the student dormitories, all of which are places of living and learning in community, in the impressive and quiet libraries where we discover books, in the noisy groups of foreign students who chose this university for training, in rooms full of students at congresses of international opening and value, in the university park brimming with colour and freshness, at the town days intertwined with Medifarm days, sports competitions in which the student finds his hidden humour. All these complete the profile of the Mures student, which defines itself and it is defined by the town which welcomes the student.

The unique experience of being a student in Tîrgu-Mures dictates an alert professional pace for the young who feel the pulse of the society of tomorrow...

Comfort of students, a priority

The university has four student dormitories with an accommodation capacity of 1176 places and all the rooms have internet access, the offices are equipped with microwaves, cookers and there are bathrooms with washing machines on each floor. Students can also have the main meals of the day at the university canteen which has a capacity of 80 seats.

The university campus has a sports base consisting of two sport halls, four tennis courts, two mini-football fields, a force and fitness room, a swimming pool, all of which are open with priority for the classes in the curriculum, but also for sport leisure practice.







Rector's
speech



Docendo discimus!

The University of Medicine and Pharmacy of Tîrgu Mures, an academic sanctuary emblematic for this area of the country, known and recognized here and abroad, has been functioning for over six decades, during which thousands of doctors and pharmacists have been formed here to devote themselves to the most noble mission in the service of man, saving lives.

The profession for which the students of the University of Tîrgu Mures prepare involves, first of all, the cultivation of native qualities and a series of factors and conditions: competence and knowledge acquired through study and research, dedication and respect for people and implicit humanism, generosity and tolerance, the latter being a sine-qua-non binder of our academic society.

We are heirs and messengers of cultures which, though sometimes distinct, have influenced each other. Harmonizing them into a constructive form of multiculturalism can and must induce a synergistic effect and act as a major factor of progress of our University.

The student-physician-lecturer relationship is the triad which functions, interacts, stimulates, constantly challenges and remains continuously perfectible. *Docendo discimus!* - Learning by teaching! - is the motto that I suggest to my colleagues and I assume on their behalf. We have knowledge and values that we need to transmit to those around us. A creative transfer of information and professional experience will stimulate us towards continuous improvement. For students, this is a firm promise, they are the direct beneficiaries of a modern view on the continuous preparation and demanding training in the years of study, by their active participation in school governance process.

Our university will become more competitive as the educational offer will keep both the tradition - including the quality of medical, pharmaceutical, didactic and scientific act-, and the progress, by a constant adaptation to the requirements of the European medical market.

We belong to an academic community with a special dynamics. It motivates us to be part of a major approach to respond to the challenge which means working in a competitive environment. Reluctance to assume this position condemns us to stagnation, which, in fact, can only lead to involution. A constructive response arises only from the awareness of our belonging to elite.

We look to the future with a desire to build a university for the future! I am sure that if we keep the tradition, value diversity and rely on continuity, this construction will be successful!

Rector
Prof. Leonard Azamfirei, PhD.





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