


University of Medicine, Pharmacy, Sciences and Technology from Targu Mureş

Name of the organisation :	University of Medicine, Pharmacy, Sciences and Technology from Targu Mureş	 UNIVERSITATEA DE MEDICINĂ, FARMACIE, ȘTIINȚE ȘI TEHNOLOGIE „GEORGE EMIL PALADE” DIN TÂRGU MUREȘ
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Type of organisation:

SME School x University Public Authority
 Training No Profit NGO

Fields of action :

SMEs Youth Universities Public Authorities
 Equal opportunities Schools Unemployed

Description of the organisation

George Emil Palade University of Medicine, Pharmacy, Sciences and Technology from Târgu Mureş (UMFST) is a comprehensive prestigious national and international university, with a very high and dynamic rate of development, with branches abroad in Hamburg and in the country and with administrative stability and functional management, flexible and in a permanent adaptation. The University of Medicine, Pharmacy, Science and Technology GE Palade of Târgu Mures, Romania is a public higher education institution with a history of over 75 years of medical education, with 7 faculties (with a wide range of programs, in addition to the medical-pharmaceutical joining those of engineering, economics, law, computer science, philology and political science, and recently appearing architecture), 84 programs of studies (46 undergraduate and 38 master's programs), 7 areas of doctoral studies, with more than 12000 students - a total of 9118 students in undergraduate and master studies, 2637 residents in medicine, dental medicine and pharmacy, 397 PhD students (in 2021). UMFST has 759 didactic staff, 304 didactic-auxiliary staff, and 226 staff hired on contract basis.

UMFST is among the top three medical universities from Romania and the only one with studies in other local languages (Hungarian line), besides international programs in English (Medicine and Dental Medicine) and an international branch (extension) of The Faculty of Medicine (in English) in Hamburg, Germany. The University currently functions with 4 medical Faculties: Faculty of Medicine, Faculty of Medicine in English, Faculty of Dental Medicine, and Faculty of Pharmacy with undergraduate, MA and PhD studies as well as residency and post-graduate medical studies. The following programs function within the Faculty of Medicine: General Medicine, Nursing, Nutrition and dietetics, Physiotherapy. The Faculty of Pharmacy includes Pharmacy, Pharmacy Assistant and Medical Cosmetics programs, whereas Faculty of Dental Medicine includes Dental medicine and Dental Technician programs. UMFST-RO has all the resources and logistics (teaching and research) for carrying out international partnerships successfully.

The strategic objective of the university until 2024 is the excellence in education and research obtained through innovation, integration and internationalization.

The mission of our university is to create professional/transversal skills and to improve of highly qualified human resources for a modern society, able to satisfy, through professional insertion, the skills needs of the socio-economic environment, to train specialist with higher training within the university; postgraduate training of specialists in the field; to enrich and disseminate of scientific, cultural, social and ethical values; to contribute to the progress of fundamental and applied sciences through scientific research for truth, materialized through fundamental, applied and dedicated research works; to promote and develop the cooperation with national and international academic and research institutions; to adapt the educational offer to the demand for education in conditions of competitiveness and in agreement with the National Qualifications Framework and to ensure the performance in the didactic and scientific research process, according to the national and European standards.

Experience of the organization in previous European projects

A lot of the previous Erasmus+ projects of our university were also involved in the long-term higher education, in the process of innovation and adaptation of the new modern technics in teaching and assessing of the students. Therefore the project *Beyond the Emergency Telecare for Non-Communicable Diseases through Simulation Techniques (BeEmTel)* promote the simulation learning process in the emergency telecare, very useful for our students in medical field in which will be also involved the specialist nurses, which will attend the simulation center and the virtual lab of our university during their training events in Romania. Also by this project, we can promote the development of case scenarios in emergency field, even more, the present project addresses to adult & pediatric anesthesiology and intensive care nurses and them from operating room. The project *SoftisPed-Softskills for Children's Health* (2016-1-RO01-KA203-024630), whose project manager I was, developed the communications skills for doctors, patients, children and health-care staff, instruments very important in a better communication between nurses and patients providing a better understanding of the procedures and the diseases. The *Connected4Health (C4H) – A Medical and Humanities-Based Approach to Navigating Obesity and Eating Disorders in Young People* (2021-1-RO01-KA220-HED-000032108) project can create new case scenarios in obesity and other eating disorders useful for the training of specialist nurses (SNs) and the advanced practice nurse (APN) when they will attend in this proposed project, the module in Tg. Mureş. For the e-learning Platform and online courses, we will use the platform and the abilities obtained by the members of our academic community from medical and technical program by the previous Erasmus projects won as: *An Open Source e-Learning Platform for Training Vocational Students, Apprentices and Graduates on Web Design*(VOCATIONAL-WEB-LEAP); *Development and Eco/logical Learning and Simulation Environments in Higher Education ELSE()* and *Collaborative Learning Environment for engineering education* (CoLED 2018-1-PL01-KA202-050777). We also want to create a clinical data and medical image repository in order to assure the continuous innovation of this proposal where student nurses will be able to access the most relevant clinical data

related to their future practice such as lab tests, or images frequently met in practice, all these going to be uploaded on the e-platform created by the previous projects. Taking into account the major lack of SNs worldwide, the development of the curriculum for SNs and APN is extremely relevant for the labour market and for the wider society, this project could be a connecting bridge with all other project of our university in the field of management and also in developing the leadership in this area. I consider that by all these aspects, the previous project carried out by our university are strongly related to the current proposal.

Experience and Expertise of the organization in the project's subject area

With the main goal of synchronizing medical education with that of the European Union, UMFST Târgu Mureş, has adopted a policy of diversifying the educational palette by creating new specializations as General Medical Assistance, nutritionists, physical therapist, and so on. Thus, within the Faculty of Medicine, the General Medical Assistance (GMA) was accredited first in 2010. This program is a long-term higher education during 4 years - structured in eight semesters, using the transferable credit system: 240 ECTS and is designed so that the learning outcomes (knowledge, skills, responsibility and autonomy) declared for all subjects, combined, ensure the results of the GMA program. The study disciplines included in the curriculum are provided in a logical sequence and precisely define the general and specialized competencies for this field of undergraduate studies, in correlation with the competencies corresponding to the national qualification and compatibility with similar curricula from the states of the European Union. Last month UMFST submitted the documents for the accreditation of a long-term training program for the specialization of GMA in Bistrita, as UMFST branch, and also it is in the process of accreditation of college for nurses, level 5. So the proposed project is *complementary to these initiatives already carried out by your university* and come to fulfil the studies of nurses and also to provide to university nursing students, to in-service nurses with higher education degrees and in-service nurses without higher education studies a possibility of uniformization of their training, and also the alignment of their training at the level of EU.

Contributions that can be provided to the project

- Carry out the benchmarking activity
- Contribute to the production of the Benchmarking report
- Creation and coordination of the Think Tank group
- Define the specific contents of the Curriculum and of the innovative methodological aspects to be implemented
- Monitor, coordinate and report on the evaluation activities of the Curriculum contents
- Activate and coordinate the internal processes for the Curriculum validation
- Promote the starting of the Curriculum recognition

To help in

- Jointly achieve an agreement on the e-learning package (starting from the draft already discussed in the project syllabus planning phase and included in the project proposal in WP3)
- Define the e-learning contents structure and technical characteristics
- Develop the teaching modules
- Select some relevant real-life cases and diagnostic challenges
- Produce the set of 3 learning scenarios
- Peer review the scenarios produced by the project partner
- Involved in creating the Repository with other partners

To disseminate the results of the project.

Reasons of involvement in the project

Project coordination

The project **aims** to develop appropriate and innovative solutions for the training of Specialist Nurses (SN) and Advanced Practice Nurses (APN) as well as to update the skills of trainers and lecturers

Contact Person's Experience and Expertise

Prof Cristina Oana Mărginean is Pediatrics Professor at UMFST Tg.Mures and senior attending physician in pediatrics gastroenterology, specialist in gastroenterology, abdominal ultrasound competence at Emergency Clinical County

Hospital Tg Mures, Head of Pediatric Clinic (since 2012), Vice-rector UMFST Tg. Mureş (since 2016), Vicepresident Colegiul medicilor Tg. Mureş (since 2016), Vice-president Romanian Society of Pediatrics since 2014, Head/coordinator of 11 scientific projects, the last one (FDI 2021) in field of elastography in children, obesity by genetic evaluation in children, pediatric nutrition and academic teaching, with Habilitation in Medicine involved in teaching methods, postuniversity program and with abilities management, abilities in communication skills proved by the implementation of the project *SoftisPed*. She has a Master of Health Management, member of a lot of international and national society, IH WOS: 18. She was manager of the projects, like: Softis-Ped - Softskills for Children's Health, 2016-1-RO01-KA203-024630 2. 'Elaborarea unui ghid inovator de diagnostic al copilului obez prin evaluare genetică, antropometrică, de bioimpedanță și ecografică', PN-III-P4-ID-PCE-2016-0766, 3. 'Corelații între ecorigiditatea lobului caudat și a celorlalte lobi ai ficatului la copil prin elastografie în timp real, cu implicații în transplantul hepatic, PN II Capacities, 421/2010, 4. 'Inovare și adaptare la tehnologiile moderne de predare și evaluare a învățământului universitar în UMFST', FDI-2021-0504. 5. 'Inovație și integrare pentru educație academică de excelență în UMFST, FDI-2020-0285. 6. 'Performanță și calitate în Educația academică din UMFST, FDI-2019-0483. 7. 'Excelență și profesionalism – attributele activității academice din domeniul educației medico-farmaceutice în UMF, FDI-2018-0198. 8. 'Optimizarea calității educației în științe medicale la UMF Tg.Mureş, FSS-6789/04.07.2017. 9. 'Internaționalizarea curriculei universitare în cadrul UMF Tg.Mureş', FDI-2016-0079. 10. 'Iowa Non-communicable Chronic Diseases Research Training Program in Romania', 1543TW008308-01A1, Fogarty project, theme: Nutrition and metabolic diseases of child, 2010. *By all of these evidences she qualify her for successfully carrying out the development of this project.*