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Hungary-Croatia
Cross-border Co-operation Programme



ImproveMED

HUHR/1601/4.1.1/0009

Improved Medical Education in Basic
Sciences for Better Medical Practicing

Project leader

University Josip Juraj Strossmayer of Osijeku



Project partner

University of Pecs

Department of Immunology and Biotechnology



Background:

There is an increasing problem with progressive ageing of the population from both sides of the borders and depopulation due to intense migration towards West Europe countries which lead to significant lack of physicians, and other health care professionals, due to their lost in retirement or emigration.

From the population point of view, with ageing, there are changes in the health care needs of the population, which have to be addressed by well trained and competent physicians, nurses and medical technologists.

Competency is medical knowledge, interpersonal and communication skills, professionalism, patient care, system-based practice and practice-based learning necessary to provide appropriate health care.

As major high educational institution in the region, University of Osijek and University of Pecs recognize that there is an urgency to reexamine all the premises of medical education, including the role of the basic sciences for the practice of medicine in the study programmes of the 21st century.

University of Osijek and University of Pecs are the only two high educational institutions in the border region that educate medical professionals at all levels of high education. Thus, it is of ultimate importance to create teaching and learning environment which will provide the best

possible condition to educate students for specificity of contemporary medical practice.

These partners have more of a decade of very successful collaboration in projects. ImproveMED project proposal is educational extension of Health Impulse in terms of preparing and performing joined educational postgraduate specialistic training program in basic medical sciences, providing theoretical and practical knowledge in laboratory environment for health care professionals who are in direct contact with patients but also working in clinical laboratories

Project objective:

The aim of the project is to develop online interactive courses materials for the future joint postgraduate specialistic programme in basic medical sciences and provide practical skills training in the frame of pilot course at both partner institutions. At the end of the program we will have 9 educational materials developed in joint efforts (9 courses in 3 languages).

The advanced courses will be on physiology, immunology and microbiology, anatomy and histology, biostatistics and bioinformatics, biochemistry and biotechnology, pharmacology, experimental epidemiology and system biology.

Also, we will have a group of students from both partner institutions trained on the equipment purchased in the project. All courses and trainings are envisioned as a way to translate methodology of basic sciences into application for future clinical training.

Overall, courses materials will have the weight of 60 ECTS and will be prepared for accreditation at the level of the universities as postgraduate specialistic program in basic medical sciences, appropriate for people who finished 3+2 (pregraduate and graduate).

Target groups:

There are several target groups that will benefit from the ImproveMED project: students- employed teaching and research personnel from both partner institution, that will be enrolled in the new study programme.

Professors who will be educated in preparation of online materials. Indirectly, students enrolled in all our programs that we perform at our institution will benefit from the teaching and laboratory staff which is skillful and has practical and theoretical competences. Project will take place in both universities of University of Osijek and University of Pecs during 16 months. Targeted groups are directly- university teachers course developers and trainers, students which will undertake training and indirectly- patients benefiting from increased competencies of the trained health care professionals and students of our other programmes which will be educated by our newly trained educators.