

## Curs Intensiv “Bioanalytical Methods for Life Sciences – BMLS”

- Organizat in cadrul proiectului LLP - Erasmus Intensive Programme “Bioanalytical Methods for Life Sciences-BMLS” 51388-IC-1-2007-1-ROERASMUS- EUCX-1

- Coordonator Univ. Transilvania din Brasov – Conf. Dr. Mihaela Badea
- Perioada - 2009-2010
- Contract Nr. 67/31.08.2009
- Buget - 52990 Euro

- <http://biofiz.unitbv.ro/biomet/index.htm>

- Parteneri in proiect

- Université de Perpignan Via Domitia, France
- UNIVERZA V NOVI GORICI, Slovenia
- Univ. Autonoma de Barcelona, Spain
- Univ. of Pecs, Hungary
- University of Ljubljana, Slovenia
- Universitatea “Babes-Bolyai” Cluj-Napoca
- Universitatea de Medicina si Farmacie Carol Davila Bucharest, Romania
- Univeristatea Ovidius Constanta, Romania
- UNIVERSITATEA DE STIINTE AGRICOLE SI MEDICINA VETERINARA DIN CLUJ-NAPOCA,
- UNIVERSITATEA DE MEDICINA SI FARMACIE TARGU MURES, Romania

**Objectives** - The project objective is to create the frame for an open environment for internationally teaching and student’s team in the field of bioanalytical methods applied in the life sciences, as demand for lifelong learning initiatives, with the purpose of allowing the exchange of good practices in teaching and practical activities at European level.

**Target groups** - Using ICT tools and practices, this Intensive Programme will make learning in the field of bioanalytical methods more attractive and it will assure the access of a big number of participants (master students, PhD students) as primary target group and teachers (indirect beneficiary) interested in strengthening links with life sciences and society.

**Main activities** - The project will be developed having as aim to promote rapid bioanalytical tests as demand for lifelong learning initiatives for the fields of life sciences. The level of knowledge of master students and postgraduates concerning the use of some bioanalytical methods will be evaluated. Combining ITC advantages, modern teaching materials in English concerning the bioanalytical methods will be elaborated.

During two weeks will be organized an International Intensive Programme as Summer School “Bioanalytical Methods for Life Sciences”, in Brasov, Romania where selected master students and postgraduate (PhD students) from different area from 5 countries will be trainees for an international teaching staff from 11 universities, in the field of the project. 6 ECTS will be provided at the end of the course using Diploma Supplement

All the team involved in project development will have contribution to the dissemination of the products and activities, using all the ways and means of involving master students, and other interested academic or non-academic media.

**Expected outputs** - Using the interdisciplinary knowledge transfer (emergency medicine, toxicology, genetics, chemistry, food chemistry, environmental protection), the project will

contribute to the improving of teaching materials and methodologies concerning bioanalytical methods applied on life sciences in an international classroom environment.

The European co-operation will make possible the obtaining of different didactical tools (e-books, multi-languages glossary, CD/DVD with video presentations for practical activities, web site with on-line material for teaching and evaluation)

The students and teachers involved in mobilities in the frame of International Summer Course – Bioanalytical Methods for Life Sciences – (BMLS) will work in multinational groups, so they will benefit from special learning and teaching conditions not available in a single institution. All mobilities will be useful to identify and to develop a common EU basis on teaching/learning/evaluation/academic research in the field of bioanalytical methods applied to life sciences.

The Intensive Programme BMLS will contribute to the dissemination of knowledge in rapidly evolving and new area of sensors, biosensors, immunoassay, biomonitoring and it will receive special consideration, especially due by their large application of different life sciences fields (food sciences and technology, environmental sciences, public health, biochemistry, genetics).