



Co-funded by  
the European Union

# BIOSINT - EU TRAINING 3 / VICTOR BABES UNIVERSITY OF MEDICINE AND PHARMACY, TIMISOARA, ROMANIA





Co-funded by  
the European Union

# Internationalisation at home – general aspects

- ▶ **"Internationalization at home"** is an approach used by educational institutions to **promote global and intercultural learning experiences** for students without the need for them to travel or study abroad.
- ▶ This concept recognizes that *not all students have the opportunity to participate in traditional study abroad programs due to various constraints, such as financial limitations, family responsibilities, or health concerns.*
- ▶ Internationalization at home aims **to create a more globally oriented and culturally diverse campus environment, fostering international understanding and competence** among all students.





Co-funded by  
the European Union

## Key aspects of internationalization at home strategies:

1. **Curriculum Integration:** Educational institutions incorporate **global and intercultural perspectives into the curriculum**, including in **subjects not traditionally associated with international studies**. This may involve **infusing international content into courses**, **offering global-focused electives**, or **creating multidisciplinary programs**.
2. **Diverse Student Body:** Encouraging a diverse student population by **admitting international students** and promoting inclusivity and diversity among local students. This diversity can lead to **interactions between students from different backgrounds**, **enhancing intercultural understanding**.





Co-funded by  
the European Union

## Key aspects of internationalization at home strategies:

3. **Language Programs:** Offering language courses that allow students to learn or improve their foreign language skills, facilitating communication and cultural exchange with international students.
4. **International Events:** Hosting international seminars, workshops, and lectures. These events provide opportunities for students to engage with international topics and meet people from different backgrounds.





Co-funded by  
the European Union

## Key aspects of internationalization at home strategies:

5. **International Collaborations:** Establishing partnerships with international universities for virtual exchanges, collaborative projects, and joint research initiatives. These partnerships can allow students to interact with peers from other countries without leaving their home institution.
6. **Virtual Exchange and Online Learning:** Technology to facilitate virtual exchanges and online courses with international partner institutions. This allows students to interact with peers from around the world and gain exposure to diverse perspectives without the need for physical mobility.





Co-funded by  
the European Union

## Key aspects of internationalization at home strategies:

7. **Global Competence Development:** Integrating cross-cultural communication, global leadership, and intercultural competence development into the university's co-curricular programs and support services.
9. **Global Competency Assessment:** Assessing and measuring students' global competencies and intercultural skills as part of their education, helping them understand and reflect on their internationalization experiences.
10. **Faculty and Staff Development:** Providing professional development opportunities for faculty and staff to enhance their own international competencies, as they play a crucial role in fostering internationalization at home.





Co-funded by  
the European Union

# BIOSINT project – main components

- ▶ **The BIOSINT project** - designed to address several key objectives and activities in the field of biomedical sciences education, particularly within the context of the Erasmus+ program.
- ▶ **Main components of this project:**
  - **Five Work Packages:** The project is structured around five work packages, which likely represent distinct phases or areas of focus for the project. These work packages are likely designed to provide a structured approach to project management and implementation.
  - **Supporting Erasmus+ Objectives:** The project aligns with the general and specific objectives of the Erasmus+ program. Erasmus+ is an EU program that supports education, training, youth, and sports activities. The BIOSINT project likely seeks to contribute to the broader goals of this program, which include fostering international cooperation in education.





Co-funded by  
the European Union

## BIOSINT project – main components

### ► Main components of this project:

- **Targeted Beneficiaries:** The project aims to benefit various stakeholders in the field of biomedical sciences education. These include students, teachers, and administrative staff at participating higher educational institutions (HEI). It indicates a comprehensive approach to enhancing the education and development of all these stakeholders.
- **Internationalization at Home (IaH):** The project intends to implement an "education through internationalization at home" framework and strategies. This approach suggests that the project aims to internationalize the educational experience without requiring students and faculty to physically travel abroad. This is in line with the concept discussed earlier, emphasizing the importance of global and intercultural learning experiences even within the confines of a home institution.





Co-funded by  
the European Union

# BIOSINT project – main components

- ▶ Main components of this project:
- **Internationalized Curriculum (IoC) and Syllabi:** The project seeks to develop an internationalized curriculum and syllabi. This likely means that the content and structure of the educational programs in biomedical sciences will incorporate international perspectives, making the curriculum more globally relevant and diverse.
- **Strengthening Digital Capacities and Literacy:** The project appears to focus on enhancing digital skills and literacy among the target groups. In an increasingly technology-driven world, this is a crucial aspect of education. It's essential for students, teachers, and administrative staff to be digitally proficient.





Co-funded by  
the European Union

## BIOSINT project – main components

- ▶ Main components of this project:
- **Intercultural Skills and Attitudes:** In addition to digital competencies, the project aims to develop intercultural skills and attitudes. This is important for fostering understanding, empathy, and effective communication in a diverse and globally interconnected world.
- **Individual and Institutional Levels:** The project's goals extend to both individual and institutional levels. This implies that it aims not only to develop the competencies of students and staff but also to strengthen the capacity of the participating institutions to offer high-quality, internationalized education.





Co-funded by  
the European Union

## BIOSINT project – specific objectives

**The specific objectives** of the BIOSINT project are promotion of academic mobility of individuals and groups, high-quality learning outcomes for participants, cooperation, quality, inclusion, fairness, excellence, creativity and innovation in higher educational area.





Co-funded by  
the European Union

## List of participating organisations

#	Participating Organisation Legal Name	Country	Role
1	UNIVERZITET U KRAGUJEVCU	Serbia	Coordinator
2	KATHOLIEKE UNIVERSITEIT LEUVEN	Belgium	Partner
3	UNIVERSITATEA DE MEDICINA SI FARMACIE VICTOR BABES TIMISOARA	Romania	Partner
4	UNIVERZITET U ISTOCNOM SARAJEVU	Bosnia and Herzegovina	Partner
5	JAVNA USTANOVA UNIVERZITET U TUZLI UNIVERSITAS STUDIORUM TUZLAENSIS	Bosnia and Herzegovina	Partner
6	University of Mostar	Bosnia and Herzegovina	Partner
7	JAVNA USTANOVA UNIVERZITET CRNE GORE PODGORICA	Montenegro	Partner
8	UNIVERSETI SHKODRES LUIGJ GURAKUQI	Albania	Partner
9	UNIVERSITETI I MJEKESISE TIRANE	Albania	Partner





Co-funded by  
the European Union

# BIOSINT project – Activities in “Victor Babes” University of Medicine and Pharmacy

## WP1/T1.2 Establishing of the project organizational structure

Project Consortium Board (PCB) and Executive Board (EB) signed memberships. From “Victor Babes” University of Medicine and Pharmacy, Prof. Dr. Claudia Borza is part of PCB and Assoc. Prof. Adrian Sturza is part of EB.

Consortium Agreement was approved and signed by the Rector of the university, Prof. Dr. Octavian Cretu.

**Members from “Victor Babes” University of Medicine and Pharmacy, Timisoara, Romania:**  
Prof. Claudia Borza, Assoc. Prof. Adrian Sturza, Prof. Danina Muntean, Prof. Cristina Dehelean,  
Prof. Virgil Rotaru, Agnes Balint, Mirela Breaz





Co-funded by  
the European Union

# BIOSINT project – Activities in “Victor Babes” University of Medicine and Pharmacy

## WP1/T1.3 Organizing meetings

Date: 19 July 2023. Location “Victor Babes” University of Medicine and Pharmacy Timisoara;

**Participants from University of Kragujevac, Serbia: Prof. Vladimir Jakovljevic, Prof. Ljiljana Tasic, Prof. Dragan Milovanovic, Mr. Djordje Djukic, Mr. Darko Pavlovic;**

**Participants from „Victor Babes“ University of Medicine and Pharmacy, Timisoara, Romania: Prof. Claudia Borza, Prof. Danina Muntean, Assoc. Prof. Dr. Adrian Sturza**





Co-funded by  
the European Union

# BIOSINT project – Activities in “Victor Babes” University of Medicine and Pharmacy

## WP1/T1.9 Financial and administrative management

“Victor Babes” University of Medicine and Pharmacy followed the national and international rules for opening the Bank Account for the BIOSINT Project.





Co-funded by  
the European Union

# BIOSINT project – Activities in “Victor Babes” University of Medicine and Pharmacy

WP2/T2.1 Analyse the situation of IaH in the EU. Analysis of the situation of IaH in Romania and other EU countries.





Co-funded by  
the European Union

# Proposal of new course suitable for internationalisation

## Personalised medicine





Co-funded by  
the European Union

# Personalised medicine – key aspects

## DEFINITION

Personalized medicine is an innovative approach to medical treatment and healthcare that takes into account individual variations in patients' genes, environments, and lifestyles.

## GOAL

The goal of personalized medicine is to tailor medical decisions and practices to each patient's unique characteristics in order to improve the effectiveness, efficiency, and safety of medical treatments.

NEW  
COURSE





Co-funded by  
the European Union

# Personalised medicine – key aspects

Key aspects and components of personalized medicine:

1. **Genomics:** A central element of personalized medicine is genomics. Advances in genomics have made it possible to sequence an individual's genome and identify specific genetic variations that may influence their susceptibility to diseases or their response to treatments. This information can be used to develop targeted therapies.
2. **Pharmacogenomics:** This branch of personalized medicine focuses on how genetic variations affect an individual's response to medications. By understanding a patient's genetic profile, healthcare providers can choose the most appropriate drugs and dosages, reducing the risk of adverse reactions and optimizing treatment outcomes.

NEW  
COURSE





Co-funded by  
the European Union

# Personalised medicine – key aspects

Key aspects and components of personalized medicine:

3. **Diagnostics:** Personalized medicine often relies on advanced diagnostic tools, such as biomarker tests, that can identify specific markers or indicators in a patient's body. These markers can help in early disease detection, disease classification, and prognosis.
4. **Treatment Targeting:** Based on a patient's unique genetic and molecular profile, healthcare providers can select treatment options that are more likely to be effective for that individual. This is particularly relevant in cancer treatment, where therapies can be targeted to specific genetic mutations.

NEW  
COURSE





Co-funded by  
the European Union

# Personalised medicine – key aspects

Key aspects and components of personalized medicine:

5. **Preventive Medicine:** Personalized medicine also includes a strong emphasis on disease prevention. Genetic and lifestyle data can be used to identify individuals at higher risk of developing certain conditions, allowing for more targeted prevention strategies.
6. **Patient-Centered Care:** Personalized medicine shifts the focus of healthcare from a one-size-fits-all approach to patient-centered care. It recognizes that every patient is unique and has different needs, preferences, and genetic backgrounds.

NEW  
COURSE





Co-funded by  
the European Union

# Personalised medicine – key aspects

Key aspects and components of personalized medicine:

7. **Informatics:** The vast amount of data generated in personalized medicine, including genomic data, clinical records, and other patient information, requires advanced informatics and data analysis techniques to extract meaningful insights. This includes the use of artificial intelligence and machine learning.
8. **Ethical and Legal Considerations:** Personalized medicine raises ethical and legal questions about issues such as genetic privacy, consent, and data ownership. Regulations and guidelines are being developed to address these concerns.

NEW  
COURSE





Co-funded by  
the European Union

# Personalised medicine – key aspects

Key aspects and components of personalized medicine:

9. **Cost and Accessibility:** While personalized medicine holds great promise, it can also be expensive and not universally accessible. Efforts are ongoing to make these approaches more affordable and available to a wider range of patients.
10. **Clinical Trials:** Personalized medicine has influenced the design of clinical trials, with a focus on identifying subpopulations of patients who are more likely to benefit from a particular treatment. This can lead to more efficient drug development and approval processes.

NEW  
COURSE





Co-funded by  
the European Union

# Acknowledgement and disclaimer

- ▶ **Erasmus+ KA2 Capacity Building in the field of Higher Education**
- ▶ Strengthening capacities and digital competences in biomedical education through internationalization at home - BIOSINT
- ▶ Project number: 101082863-ERASMUS-EDU-2022-CBHE-STRAND-2
- ▶ "Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Education and Culture Executive Agency (EACEA). Neither the European Union nor the granting authority can be held responsible for them."

