Successful Dissemination Event Organized at the Faculty of Industrial Engineering, Robotics and Production Management at the Technical University of Cluj-Napoca, Romania within the BIOMEDIX Scientific Circle – Research, Innovation and New Opportunities for Students!

On 30 October 2026, a dissemination activity was organized within the BIOMEDIX Scientific Circle, in Aula Centenar room at the Faculty of Industrial Engineering, Robotics and Production Management, Technical University of Cluj-Napoca (TUCN). The event brought together students, academic staff and special guests, with the main objectives of presenting student research results, identifying new Bachelor's and Master's thesis topics and directions for collaboration, and promoting educational opportunities and international mobilities offered through the Erasmus+ KA220 BIOMEDIX project.

An important highlight of the meeting was the participation of special guests, who presented new perspectives for the development of student projects and the expansion of academic collaborations. Ms. Emma Paraschiva, representing Clinical Maturity Lens (Sibiu, Romania), presented mentoring and consultancy opportunities related to medical product development, clinical validation and preparation for the certification processes of medical and biomedical engineering products. The presentation highlighted the fundamental stages through which engineering ideas and solutions developed by students can evolve into medical applications with the potential for practical implementation and widespread use in Romania. These opportunities may help guide future thesis projects towards the development of biomedical products and solutions with real-world applicability.

Following this presentation, Prof. Idrissa Gaye, from Iba Der Thiam University of Thiès, Senegal, introduced perspectives for academic cooperation, research and international mobility. The discussions initially focused on the possibility of organizing future webinars for students and academic staff in Senegal on biomedical engineering applications, as well as the opportunity to extend the existing Erasmus agreement between the Technical University of Cluj-Napoca and the University of Thiès to include new areas of cooperation in industrial, medical and biomedical engineering.

The meeting continued with the presentation of several Bachelor's, Master's and PhD research projects developed in recent years by students of the Faculty of Industrial Engineering, Robotics and Production Management, with the support of the BIOMEDIX consortium, within the Department of Manufacturing Engineering, under the supervision of Prof. Dr. Eng. Răzvan Păcurar, in the fields of medical and biomedical engineering. Student research results from the past year were also disseminated, including findings published in scientific papers appearing in ISI-indexed conference proceedings and prestigious ISI-indexed scientific journals with impact factors. Interactive discussions with participants helped identify

opportunities to continue and further develop the projects presented, while also generating new ideas for future thesis and research projects. All these topics will be further detailed and planned in the coming period, with implementation and development scheduled throughout the 2026–2027 academic year, involving the support and collaboration of partners within the BIOMEDIX consortium.

Another important component of the meeting focused on international mobility opportunities and training activities planned within the BIOMEDIX project for 2026–2027. Participants were informed about opportunities to attend the training organized by Materialise in Belgium, in November 2026, focusing on the design of patient-specific medical implants, as well as the training organized by viscoTec in Germany, in May 2027, covering hydrogel-based 3D printing and 3D bioprinting. These activities will directly contribute to the development of students' practical skills and support future thesis and research projects in medical and biomedical engineering at the Technical University of Cluj-Napoca.

Opportunities to participate in the BIOMEDIX International Hackathon, organized at the University of Niš, Serbia, in April 2027, and the BIOMEDIX Summer School, organized at the Polytechnic University of Cartagena, Spain, in July 2027, were also discussed. Participants had the opportunity to pre-register for these activities, with priority support intended for students involved in biomedical thesis and research projects developed with the assistance of the BIOMEDIX consortium.

The final part of the meeting focused on the results and future activities of the BIOMEDIX Scientific Circle. Participants had the opportunity to register and express their interest in becoming involved in new research projects, interdisciplinary activities and volunteering initiatives. The continuation of BIOMEDIX dissemination activities and the promotion of future opportunities will also include a similar meeting scheduled for 8 December 2026, at the Faculty of Electrical Engineering, Technical University of Cluj-Napoca, primarily dedicated to students specializing in Medical Bioengineering.

A special moment at the conclusion of the event was dedicated to the presentation of BIOMEDIX volunteer certificates to students who contributed to the organization and successful implementation of the BIOMEDIX Multiplier Event held on 9 October 2026. The dedication, commitment and contributions of more than 50 student volunteers were formally recognized and appreciated, as their exemplary support played an important role in the successful organization and implementation of the event. Sincere thanks were extended to all students, invited guests and collaborators for their involvement and valuable contributions to the development of BIOMEDIX activities.

Further information about upcoming activities and opportunities within the Erasmus+ KA220 BIOMEDIX project is available on the project's official website on the following link: https://bini.rtu.lv/biomedix/


BIOMEDIX Multiplier Event on Digital Transformation in Biomedical Engineering
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Let's keep talking
Emma Paraschiva
BIOMEDIX
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Biomedical Innovations through Digital Transformation of Additive Technologies and Knowledge Exchange (BIOMEDIX)
3D scanning for personalised ear prosthesis – scanning, calibration, data acquisition, post-processing in GOM Inspect program
Universidad Politécnica de Cartagena
materialise
ViscoTec


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LET'S CONTINUE TOGETHER!
New collaboration opportunities
Research and thesis projects
Mobility and exchange of experience
Workshops and joint initiatives
We invite you to build the next steps together!
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