

# CERTIFICATE



This is to acknowledge that

*Oksana Voloshchuk*

PhD of Biological Sciences (specialty Biochemistry)  
Head of Department of Biochemistry and Biotechnology,  
Yuriy Fedkovych Chernivtsi National University  
Educational and Scientific Institute of Biology, Chemistry and Bioresources  
Department of Biochemistry and Biotechnology

implemented digital courses developed within the

**project DigiLabStar III**

(Digital Laboratories for Students-at-risk)

Ruhr-University Bochum

from 1 January 2025 through 15 June 2025

in the framework of the program

**„Ukraine Digital“: Ensuring academic success in times of crisis**

funded by DAAD (German Academic Exchange Service) and BMBF (Federal  
Ministry of Research, Technology and Space)



Gefördert durch:



The bilingual (Ukrainian/English) digital courses “Advanced Methods of Biological Research”, “Histology”, and “Gamified Biochemistry” were implemented at Ukrainian universities as part of an initiative to enhance and support teaching and learning in the fields of Biology and Medicine.

### **The following activities were performed:**

1. Integration of multimedia educational resources: proficient use of video-based lectures and interactive laboratory simulations to enhance conceptual understanding and procedural knowledge.
2. Advanced Moodle proficiency: mastery in using Moodle functionalities for course creation, content delivery, assessment, progress tracking, and student communication.
3. Curricular alignment: ability to integrate digital course materials into the existing academic programs and disciplinary curricula of Biology and Medicine.
4. Blended and hybrid learning implementation: competence in applying digital content both in remote teaching and as a supplemental tool for face-to-face instruction and self-paced learning.
5. Digital facilitation of learning: skill in guiding and motivating students through digital content, providing timely academic support, and fostering learner autonomy.
6. Performance monitoring and feedback: ability to track student engagement and academic progress through Moodle analytics and to provide individualized formative feedback.

During participation in the DigiLabStar Project, 60 hours of activity, equivalent to 2 ECTS credits were completed.



**Dr. Peter Salden**

Director of the Centre for  
Teaching and Learning

Ruhr-Universität Bochum  
Zentrum für Wissenschaftsdidaktik  
FNO 02/037  
D-44780 Bochum



**Dr. Iryna Kompanets**

Project coordinator