



Alisa Burova

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ABOUT ME

Second year biochemical engineering student who is interested in different fields and applications of biology.

EDUCATION AND TRAINING

05/09/2022 – CURRENT Debrecen, Hungary
BIOCHEMICAL ENGINEERING BSC University of Debrecen

Second Year student
Main courses covered:
General chemistry theory and practice, General Microbiology and Mycology, Mathematics I and II, Organic chemistry I, Biochemistry I, Microbial Physiology

Address Nagyerdei krt. , Building 94, H-4032, Debrecen, Hungary | **Website** <https://edu.unideb.hu/> |

Field of study Biochemistry Engineering

03/07/2023 – 15/07/2023 Pisa, Italy
SUMMER SCHOOL FROM GENES TO CELLS: A BASIC COURSE OF MOLECULAR, CELLULAR AND ULTRASTRUCTURAL BIOLOGY University of Pisa

Short term program with intensive laboratory practice. During the school the following topics were discussed:

- preparation of sample for transmission microscopy
- analysis of mRNA expression by whole mount *in situ* hybridization
- Comet assay
- Cytome assay

Planarians were used as a sample animals.

Field of study Molecular Biology, Cellular biology, Ultrastructural Biology | **Final grade** 28/30 |

Level in EQF EQF level 4 | **Type of credits** ECTS | **Number of credits** 7

WORK EXPERIENCE

13/09/2021 – 05/08/2022 Moscow, Russia
LABORATORY ASSISTANT 3D BIOPRINTING SOLUTION

- preparation and sterilization of equipment
- work with cell culture
- cell spheroids biofabrication
- photographing of cell spheroids during their formation
- preparation of agarose form for cell spheroids

LANGUAGE SKILLS

Mother tongue(s): **RUSSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Python Programming (basic)

● **ADDITIONAL INFORMATION**

LEARNED METHODS

Cell culture

- cell propagation
- cell freezing and thawing
- micoplasma testing

Cell spheroids

- cell spheroids biofabrication
- characterization of cell spheroids

Mycroscopy

- Light microscopy
- Principles of transmission electron microscopy and samples preparation for TEM
- principles of scanning electron microscopy

Other

- Standard PCR procedure
- Gel electrophoresis