

## SEA-EU ONLINE INTENSIVE COURSE

# Gene cloning – designing of an experiment *in silico*

Dr Katarzyna Węgrzyn

Prof. Michał Obuchowski

Intercollegiate Faculty of Biotechnology of University  
of Gdansk and Medical University of Gdansk

The course will give students basic knowledge related to the genetic engineering and the gene cloning design. During the one week of online course, students will learn the following: how to select vectors, design restriction digestion of DNA, design PCR reaction and control the gene expression. Each day will start with the theoretical aspects followed by the hands-on experience with the specialized software.

**March 28 - April 5**  
**09:00 am to 1:00 pm**

[REGISTER HERE](#)



University  
of Gdańsk



## TARGET STUDENTS

The initiative is designed for undergraduate students who have a basic understanding of molecular biology. Participants will be awarded 2 ECTS points.

## PROGRAMME

The course lasts 5 days, from 9:00 am to 1:00 pm on MS Teams.

28.03 – Introduction to gene cloning. Vectors. Restriction digestion.

29.03 – PCR reaction. Designing primers.

30.03 – Fusion proteins, tags etc.

04.04 – Cloning of prokaryotic and eukaryotic genes.

05.04 – Hands-on session.

## REGISTRATION

The limit is 4 students per SEA-EU University. The course will be filled on a first-come-first-served-basis. Register until February 25.

[REGISTER HERE](#)

