

	Intensive Course (IC)
Name of the Intensive course*	Gene cloning –designing of an experiment <i>in silico</i>
Form	Online Intensive Course The course will take place on-line with MS Teams.
Teacher in charge (Name and surname)*	Dr Katarzyna Węgrzyn, prof. Michał Obuchowski
Email of teacher in charge	katarzyna.wegrzyn@ug.edu.pl
Faculty/ department	Intercollegiate Faculty of Biotechnology of University of Gdansk and Medical University of Gdansk. www.biotech.ug.edu.pl
Dates	28-30.03.2022 and 4-5.04.2022 time 9:00-13:00
New or already existing events?	a new course
Language of the IC	English
Number of places for SEA-EU student	The limit is 4 students per SEA-EU University. The course will be filled on a first-come-first-served-basis.
Target groups	Bachelor level
Short description of schedule training	The course will give students basic knowledge related to genetic engineering and gene cloning designing. During the one-week on-line course students will learn to select vectors, design restriction digestion of DNA, design PCR reaction and control of the gene expression. Each day, at the beginning the theoretical aspects will be presented, followed by hands-on experience on specialized software. Day 1 – Introduction to gene cloning. Vectors. Restriction digestion. Day 2 - PCR reaction. Designing primers. Day 3 – Fusion proteins, tags etc. Day 4 – Cloning of prokaryotic and eukaryotic genes Day 5 – Hands-on session
Disciplinary background needed for students to participate	Basic course of Molecular biology
Training recognition (nb of ECTS,...)	2 ECTS
Application	Register until February 25. https://forms.office.com/Pages/ResponsePage.aspx?id=7FC5suMenU2sXk3Z214Lc-wJs4q5_wtEnKUIAWoIVZBUMklwWVdBMzZLUOZYR0xRNEVHNIQ2SlhRRS4u