



## Basic laboratory techniques in Synthetic Biology.

8 – 12 March 2021

VIRTUAL

Learn more & Apply [here!](#)

Deadline 14 February 2021

#synbioGR

### Course Overview.

Synthetic Biology has evolved to a cutting-edge technology with a range of applications in a variety of aspects such as health and agriculture. During this free online course, through the combination of theory and practicals, you will have the opportunity to dive into the basic methods used in Synthetic Biology research as well as discover their applications on the field of agriculture. This educational course will focus on covering the core principles of cloning strategies, exploitation of CRISPR/Cas9 technology as well as protein expression and purification. On the final day of the course, you will be introduced in metagenomics and its usage in environmental samples.

### Modules.



Module 1.  
Cloning Strategies  
in Synthetic Biology



Module 2.  
CRISPR/Cas9  
Technology



Module 3.  
Protein Expression &  
Purification



Module 4.  
Metagenomic Analysis in  
environmental samples

### Target Audience.

This educational course is designed for PhD students, advanced PhD students and postdoctoral researchers that are members of the Greek academic community with a background in Biology, Biotechnology, Synthetic Biology, Microbiology, Agriculture and any related scientific field.





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## Practical Information.



Date

Monday 8<sup>th</sup> – Friday 12<sup>th</sup> March 2021



Fees

Course registration and participation is FREE



Language of instruction English



Participants

< 20\*

*\*Applicants will be selected based on their scientific background and research excellence.*

## Trainers.

The Training School will be delivered by the Post-Doctoral Researchers of the University of Thessaly, Constantine Garagounis, Eleni Galliopoulou, Maria-Eleni Gregoriou, Konstantina Tsoumani, George Stravodimos and Konstantina Rousidou

## Contact us.

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[www.omic-engine.com](http://www.omic-engine.com)

National Hellenic Research Infrastructure on Synthetic Biology.