



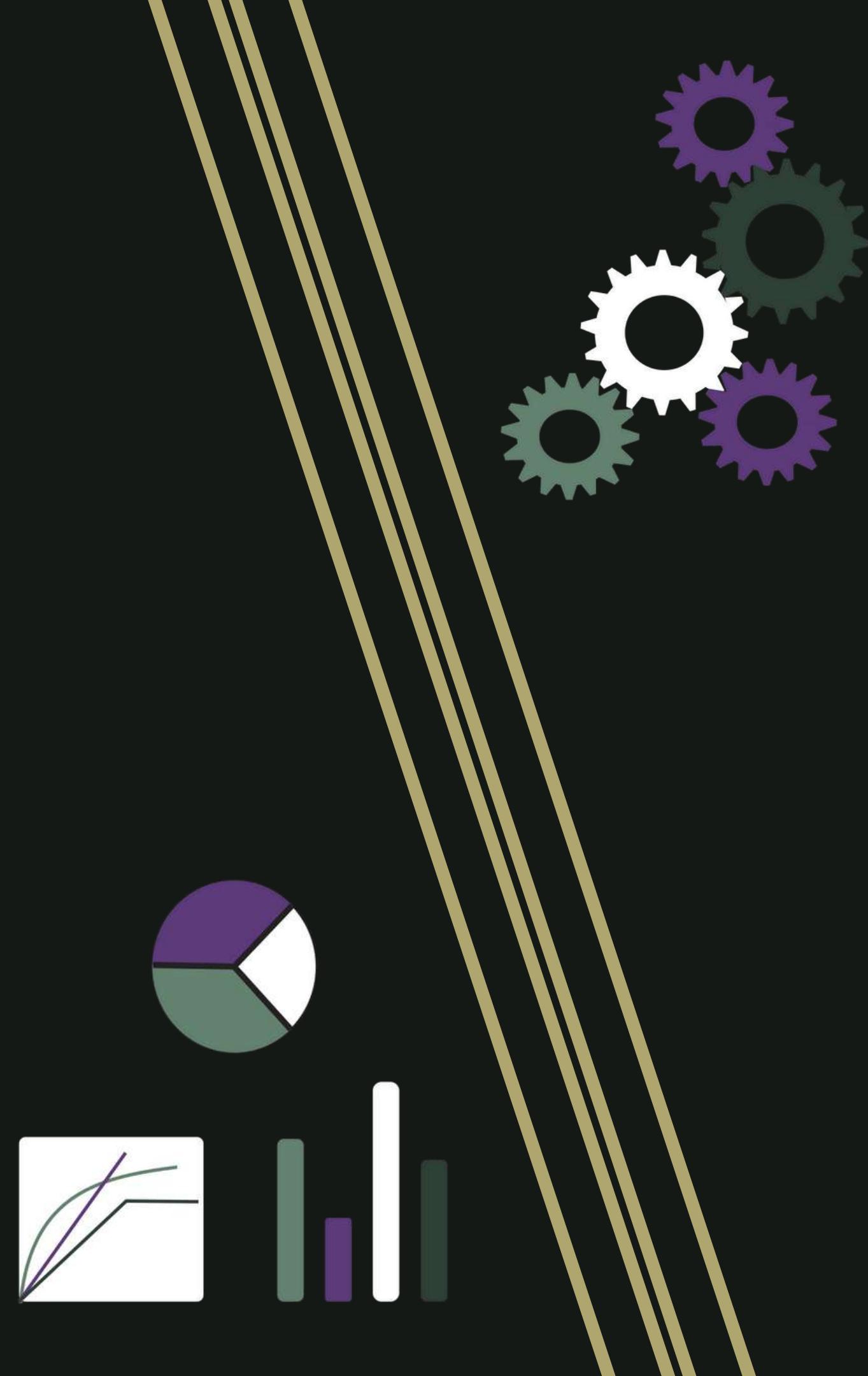
SEMINAR

Synthetic Biology:  
**IGEM**  
iGEM Thessaloniki 2021



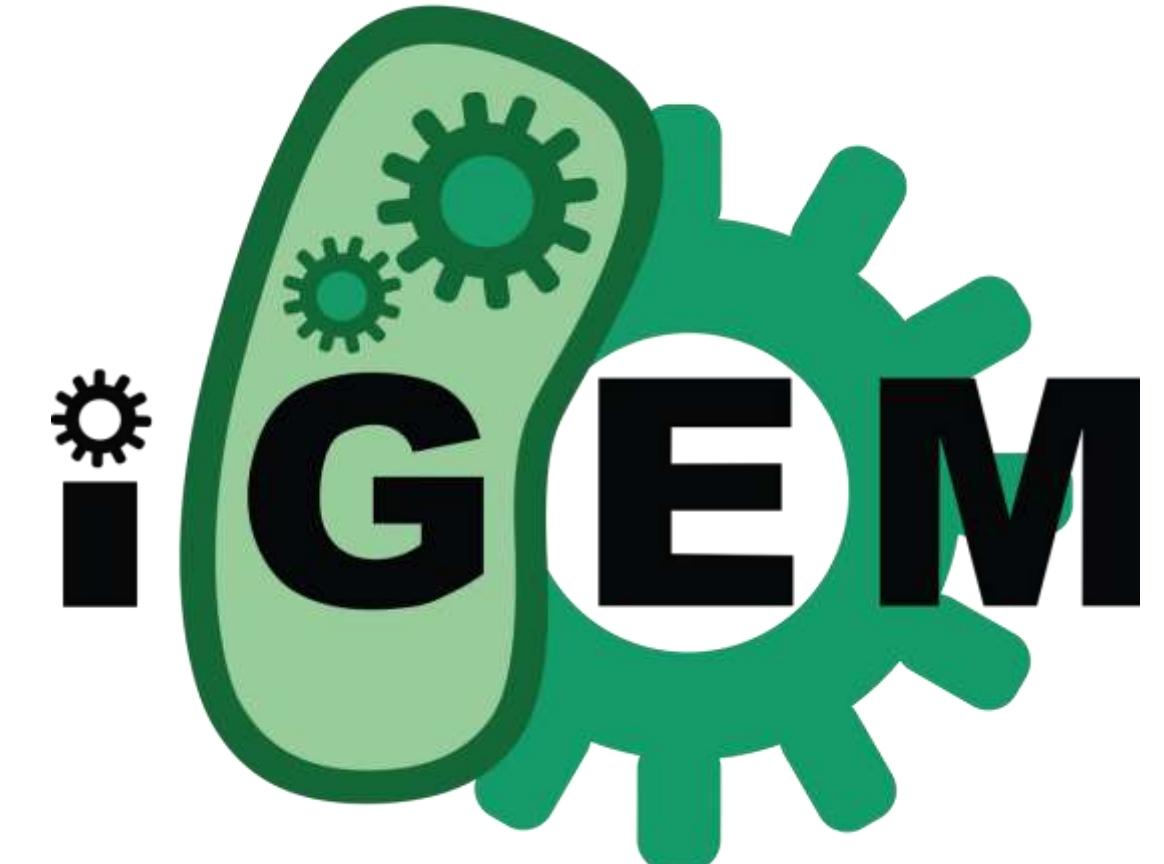
# What is synthetic biology;

Synthetic biology is an interdisciplinary field that aims to create new biological departments, devices and systems, or more specifically to redesign systems that exist already in nature.



# What is iGEM;

*IGEM (international Genetically Engineered Machine)* is an independent non-profit organization that aims to advance synthetic biology, inform the public about it, conduct a global annual competition and develop an open community and partnerships.



# Competition

*The iGEM synthetic biology competition* is held every year worldwide with the participation of student groups and groups of high school students. The teams submit their research work and compete in order to win the bronze, silver or gold medal.



Diagnostics



Energy



Environment



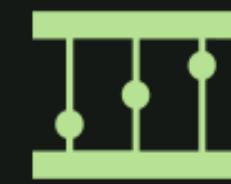
Food & Nutrition



Foundational  
Advance



Hardware



Information  
Processing



Manufacturing



New Application



Open



Software



Therapeutics

# iGEM Thessaloniki

*IGEM Thessaloniki*

started its journey in 2017 under the auspices of AUTh, as iGEM Greece, as it was then the first Greek team in the competition. Since then it has won 2 gold medals and 1 silver. This year it participates in the competition with the project METIS (miRNA Expression Toehold Investigation System), a diagnostic tool for pancreatic adenocarcinoma. Today it has 11 members, while the principal investigator is Mr. Ioannis Vizirianakis.



*Meet the members of iGEM  
Thessaloniki 2021*



*Video*

*Project: METIS – iGEM  
Thessaloniki*

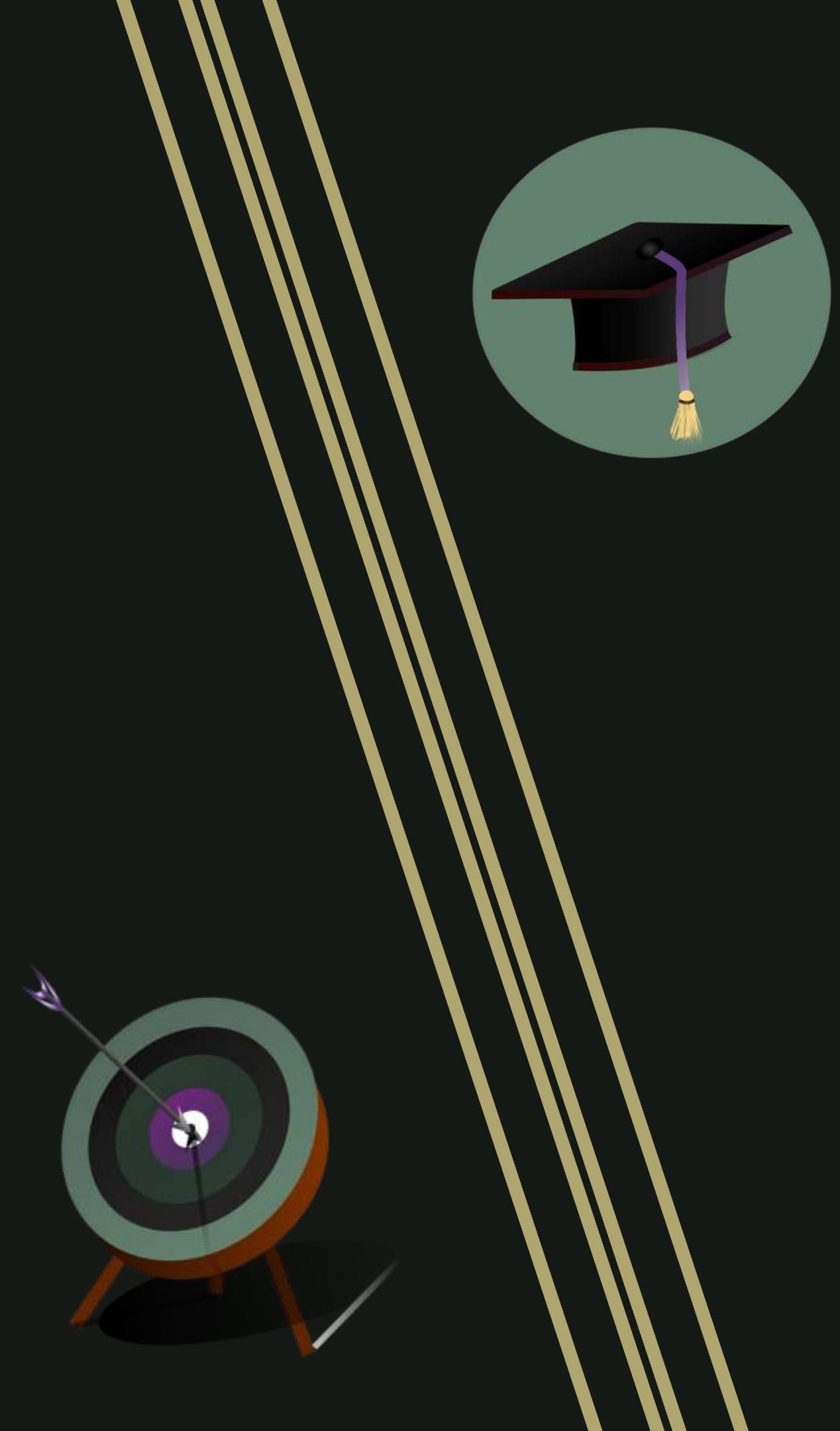


*Video*

# Competition: High Schools

So far, Greece is represented by various student groups in the competition, but is not represented in the category of High Schools.

Student groups from other countries have already offered research work in the competition ... we can do it too!



*High Schools*



*Video*

*Thank you! If you are interested in iGEM*

*Competition please visit:*

[https://igem.org/Competition/High\\_School](https://igem.org/Competition/High_School)



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