

## *1<sup>st</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date: 11/02/2021

10 members from the team iGEM Patras and 11 members from the team iGEM Thessaloniki participated.

This is the start of our Partnership. Today, we gathered to discuss our cooperation and our common path to the iGEM competition. We introduced ourselves, we got to know each other and got to know the subgroups of each team.

The following was proposed for the Partnership.

### **Organization of our Cooperation**

- We have established that we will make weekly calls between our teams to keep up with our progress upon our co-actions.
- We have established that we will make calls every 2 weeks with the respective P.I. of both teams in order to have a guideline regarding our Partnership.
- Designation by each team of an individual, who undertakes the basic communication on partnership issues.

## *2<sup>nd</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 26/02/2021

10 members from the team iGEM Patras and 9 members from the team iGEM Thessaloniki participated.

### **Wet Lab**

- Discussion upon ideas we could carry out, such as:
  - ❖ Meeting in the laboratory of the iGEM Thessaloniki team in order to train the iGEM Patras team on specific techniques of Synthetic Biology.
  - ❖ Check whether it is possible to perform NMR by the iGEM Patras team of proteins related to iGEM Thessaloniki's project.

### **Dry Lab**

- Discussion upon ideas we could carry out, such as:
  - ❖ iGEM Patras will create the code / scripts for the Arduino that iGEM Thessaloniki uses.

### **Deliverables – Social**

- Training of the iGEM Thessaloniki's graphic designer in Adobe Illustrator by iGEM Patras' graphic designer, throughout the year.

### **Fundraising**

- Fundraising training to the team of iGEM Patras by the team of iGEM Thessaloniki.

These were the initial ideas proposed by the 2 groups and the goal of a future meeting is to choose the ones that can be implemented.

### *3<sup>rd</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 03/03/2021

10 members from the team iGEM Patras and 10 members from the team iGEM Thessaloniki participated and each team's PI.

#### **Human Practises**

- A call with the PI's of both teams took place this week. In that call both iGEM Patras and iGEM Thessaloniki were able to get some very needed guidance for their individual projects. Also, the thought of future collaboration both on and off of iGEM was considered. We presented both of our projects to our respective PIs in hope of an opinion and idea exchange between our two supervisors and teams.

## *4<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 10/03/2021

4 members from the team iGEM Patras and 3 members from the team iGEM Thessaloniki participated.

### **Fundraising**

- The fundraising team of iGEM Thessaloniki shared with the fundraising team of iGEM Patras an epistle-letter, through which a team may request from the respective University, to which each team is referring to, the zero withholding of money from the sponsorships given by any companies to the team.
- The fundraising team of iGEM Thessaloniki presented a different way in which the fundraising team should approach the companies that are left on the list of those that iGEM Patras needs to contact.

## *5<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 12/03/2021

2 members from the team iGEM Patras and 2 members from the team iGEM Thessaloniki participated.

### **Fundraising**

- The fundraising team of iGEM Thessaloniki presented a platform to the fundraising team of iGEM Patras through which a greek team can manage its finance. This platform is called WebRescom and it was made by the members of the group of “Special Account of Research Funds”. It helps a team (to make financial transactions, to receive sponsorships, to pay for laboratory expenses, organization of expenses revenues).

## *6<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 18/03/2021

2 members from the team iGEM Patras and 2 members from the team iGEM Thessaloniki participated.

### **Fundraising**

- We exchanged a list of companies that iGEM Thessaloniki uses for sponsorship to incorporate them into iGEM Patras' sponsorship list.
- We organized our budget management together taking into consideration both the expenses of the competition as well as all the lab equipment and supplies our Wet Lab teams might need.
- We moved together to secure a sponsorship from Pfizer.

## *7<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 27/03/2021

1 member from the team iGEM Patras and 2 members from the team iGEM Thessaloniki participated.

### **Deliverables – Presentation video**

- Honorable mention of one team in the other team's final deliverable video for the competition.

### **Deliverables – WIKI**

- We decided to separate some of the content for our respective WIKI pages concerning the partnership medal.

### **Graphic Design**

Start of the training in Adobe Illustrator – delivered by iGEM Patras

- Introduction to vector graphics editor and design program developed and marketed by Adobe Inc. ; Adobe Illustrator. General information about the program: developers, date release, usage, versions.
- Instructions on how to download and to install the software.

## *8<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 02/04/2021

1 member from the team iGEM Patras and 2 members from the team iGEM Thessaloniki participated.

### **Graphic Design**

- Introduction to editing with Adobe Illustrator: sidebar, keyboard shortcuts, tools.
- Instructions on how to create, to select and to manipulate objects.



## *9<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date: 07/04/2021

2 members from the team iGEM Patras and 2 members from the team iGEM Thessaloniki participated.

### **Graphic Design**

- Creating a logo design from scratch: training example-> iGEM Patras logo.
- Exporting and saving the design in several image file formats.

## *10<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 12/04/2021

2 members from the team iGEM Patras and 1 member from the team iGEM Thessaloniki participated.

### **Graphic Design**

End of the training in Adobe Illustrator

- Implementing the knowledge: supervising iGEM Thessaloniki's artwork.
- Additional information about other features of the program.

## *11<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 28/04/2021

3 members from the team iGEM Patras and 4 members from the team iGEM Thessaloniki participated.

### **Deliverables – WIKI**

- We decided on how to present our timeline during our partnership journey in the WIKI. Our first 2 thoughts were to present different aspects of our collaboration ( Science Communication, Wet Lab etc.) in a chronological order or a segment based approach. Of course, it is still early to come to a conclusion.

## *12<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 05/05/2021

4 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Deliverables – WIKI**

- Our WIKI masters had a discussion on how to present our partnership page in the WIKI, whether it should have subpages of every category or just one page that includes all of our collaborative actions.

### **Dry Lab**

- It has been agreed that 2 zoom calls have to be made in order to coordinate the toehold switch & Matlab cooperation.
- It has been agreed that a Machine Learning tutoring by a member of iGEM Patras to the dry lab team of iGEM Thessaloniki have to be organised.

## *13<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 08/05/2021

5 members from the team iGEM Patras and 7 members from the team iGEM Thessaloniki participated.

### **Deliverables – WIKI**

- We decided to present our collaborative work with various subpages regarding each iGEM category (Human Practices, Collaboration etc.) rather than one big page of information that might confuse the judges.

### **Human Practices**

- We informed our PIs for an upcoming meeting on 18/05 and asked them to help us secure a collaboration with an approach to all the other aspects of iGEM except for Wet Lab , which we already discussed.

## *14<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 13/05/2021

9 members from the team iGEM Patras and 8 members from the team iGEM Thessaloniki participated.

### **Human Practices**

- We started brainstorming on ways to achieve a collaborative approach to Human Practices.

### **Science Communication**

- We decided to make a synthetic biology based game but we have to find a proper platform and make sure that we have all the rights from iGEM.

### **Collaborations**

- We brainstormed for ways to achieve the collaboration criteria together.

## *15<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 18/05/2021

7 members from the team iGEM Patras and 6 members from the team iGEM Thessaloniki participated.

### **Human Practises**

- We had a call with our respective PIs to inform them about the ongoing partnership and the problems we might have faced in the process. They also suggested that we could contact the National Organization for Medicines of Hellas and European Medicines Agency as a way to achieve the Human Practices criteria for the competition and to also acquire some feedback on our diagnostic projects, since both organisations work on the diagnostic field.

## *16<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 21/05/2021

5 members from the team iGEM Patras and 6 members from the team iGEM Thessaloniki participated.

The main purpose of this call was to present our progress on our Wet Labs.

### **Wet Lab**

- We decided that a functional characterization of the mutations on bacteria is not easily attainable due to the lack of time we have.
- The creation of a plasmid sequence will likely not be carried out.

### **Science Communication**

- We brainstormed on ideas on how to promote Synthetic Biology to younger ages.



## *17<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 27/05/2021

5 members from the team iGEM Patras and 4 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- After our last call, we decided that the best way to promote synthetic biology to younger ages would be through an interactive platform game, but we are still searching for a way to achieve this idea.

## *18<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 03/06/2021

8 members from the team iGEM Patras and 6 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- We thought of “Scratch” which is a high-level block-based visual programming language and website targeted primarily at children 8–16 as an educational tool for programming. Users on the site, called Scratchers, can create projects on the web using a block-like interface.
- The goal for the next meeting is to find ideas for this game !

## *19<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 11/06/2021

5 members from the team iGEM Patras and 4 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- We came up with these four ideas for our joint game using the “Scratch” program:
  - ❖ We could design a DNA molecule, which would have some areas colored differently than the rest of the molecule. These areas suggest a type of mutation and the player’s goal is to identify them or compare two different DNA molecules regarding the mutations each one has.
  - ❖ We could create two main characters, who would embark on a Synthetic Biology journey together. Along their way, they would encounter different famous scientists, who would give them some information regarding their discoveries. At the end of the level the two main characters would have to answer some questions using the knowledge they had acquired previously.
  - ❖ We could create a type of tree filled with questions taken from the schoolbook. These questions can be tailored to Synthetic Biology and with each question answered the player will also get a scientific fact regarding the question he just answered.
  - ❖ The last one is called the “SynBio Magic Box”. Each player will get three choices and he will have to choose one to recreate. For example, the choices he would have can be either animal or plant type organisms. In the “SynBio Magic Box” the player will add the correct “ingredients” to create the organism he has chosen.

Just for some clarification the game we are trying to create is addressed to pre High School students and for that reason the original ideas are so simple.

## *20<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 18/06/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- We decided on a final idea for “Scratch”. Specifically, it is this one :  
*“We could create two main characters, who would embark on a Synthetic Biology journey together. Along their way, they would encounter different famous scientists, who would give them some information regarding their discoveries. At the end of the level the two main characters would have to answer some questions using the knowledge they had acquired previously.”* (taken from our last meeting).
- Also, a call took place between our 2 dry lab teams so that the preparation for the game can get started.

## *21<sup>st</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 26/06/2021

6 members from the team iGEM Patras and 6 members from the team iGEM Thessaloniki participated.

### **Wet Lab**

- iGEM Thessaloniki will create a toehold switch for iGEM Patras. The toehold switch will be specific either to the gene CYP2D6 or to the miRNA that is relative to the expression of the gene CYP2D6.
- With the help of the Dry Lab team of iGEM Thessaloniki, iGEM Patras will create the sequence for this toehold switch and through IDT we will acquire a sequence for it to be attached and some DNA molecules to act as triggers.

The goal for a future call is to check, if we have any progress on the other sections of our Partnership.

## *22<sup>nd</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 01/07/2021

5 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Human Practices**

- An email was sent from the iGEM Thessaloniki team to the National Organization for Medicines of Hellas and there was a small phone call with a representative of the Organization.
- It has been agreed that iGEM Patras team have to come in contact with a member of EMA, in order to have an interview with him in order to give us a piece of advice about diagnostic tests.

## *23<sup>rd</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 09/07/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Wet Lab**

- Discussion upon ideas we could carry out, such as:
  - ❖ Functional characterization of the mutations studied by iGEM Patras in bacteria that iGEM Thessaloniki possesses.
  - ❖ Creation of plasmid sequence for the iGEM Patras team by the iGEM Thessaloniki team, based on the competition guidelines.

### **Dry Lab**

- A call between the 2 Dry Lab subteams was set up for 23 July.

## *24<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 15/07/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Human Practices**

- Updates on the contact we had with the National Organization for Medicines of Hellas and EMA were made

### **Collaborations**

- We thought of ways to collaborate on 2 fields ; to prepare future iGEMers through a webinar series (we need to discuss the specific fields of interest) and the other one , to promote synthetic biology through a collage and we also need to think of ideas for this part as well !
- It has been discussed how we can make a collaboration of the concept below: iGEM teams will take pictures related to a social issue and problem (perhaps also related to synthetic biology) which will come together in a large one and create a collage.



## *25<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 22/07/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- It has been agreed that we will present our project in public schools in September, so we have to come in contact with some of them the days between 1-10 September.
- It has been agreed that we will present our project in private schools in August or September, so we have to come in contact with some of them the days after summer break.
- It has been agreed that iGEM Thessaloniki have to plan and inform iGEM Patras on when the team can participate in The SynBio Academy, the podcast series of iGEM Patras team. We also agreed that the podcast will take place on 28th of July.

### **Collaborations**

- 2 main themes were suggested for the collage :
  - **Women in Science** ⇔ every team that is participating in the collage, chooses and describes a female scientist (not only from the field of Synthetic Biology), that created a new standard for her science and changed the way women are treated in the scientific field. Also each team will send a picture of the female members that they have and a timeline will be created, presenting all the female scientists in a chronological order. At the end of the timeline will be placed the year 2021, where the female members of every team will be presented as the future of women in science!
  - **Natural History** ⇔ every team that wants to part in this idea has to find a place of natural beauty in their town/area, take a picture and send it to us. Then our two teams will create a collage and write a text about the value of preserving those natural habitats and how Synthetic Biology can help doing just that.

## *26<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 29/07/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

This meeting happened in person in Patra and after the positive outcome of this meeting we decided to repeat this in Thessaloniki as well.

### **Science Communication**

- It has been discussed that a presentation by both teams upon synthetic biology, iGEM Competition and our projects in a public place maybe can be held at Thessaloniki on 28-29 August.

### **Collaborations**

- Webinars “How to survive iGEM” 2 editions  $\Leftrightarrow$  maybe on 7-8 August.
- A subject for the collage was agreed upon the two teams and that is the subject “Women in Science”. We also decided on a name for our collage “Rosalind Chronicles” as a tribute to Rosalind Franklin. Our next goal is to prepare the graphics and to promote our idea to the other iGEM Teams.

## *27<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 05/08/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Collaborations**

- We changed the date for the webinars “How to survive iGEM” 2 editions from 7-8 August to 21-22 August.
- The webinars “How to survive iGEM” will be composed of 2 subjects :
  - ❖ **Graphics Design** ⇔ It will take place in 21 of August and it will be presented in English, so it can reach more iGEM Teams.
  - ❖ **Fundraising** ⇔ It will take place in 22 of August and it will be presented in Greek, because different fundraising methods are used between Greek and International Teams.

### **Science Communication**

- iGEM Patras was educated on how the “Scratch” program works from iGEM Thessaloniki for our online game.

## *28<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 12/08/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Human Practises**

- Our communication with the National Organization for Medicines of Hellas has to be postponed until 15 August due to summer break.
- An email was sent to EMA describing our projects, in order to prepare them for our future interview.

### **Science Communication**

- We made a list with the Private Schools, regarding our joint presentation.

### **Collaborations**

- ULaval and Concordia-Montréal from Canada wanted to take part in our project named “Rosalind Chronicle” and a call tool place, where we decided to keep our graphics and name and they would contribute providing the format for the collaboration. Also, a joint presentation is likely to take place.

## *29<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 18/08/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- On 23rd of August initial communication with the private schools will start. We will try to present as many as possible with at least one joint presentation in mind.
- We decided to prepare a joint presentation about synthetic biology in Thessaloniki and to also welcome the members of iGEM Patras in Thessaloniki on 28th and 29th of August.

### **Dry Lab**

- Scripts associated with our Scratch game will be finished before the 30<sup>th</sup> of August.

### **Collaborations**

- Mails are to be sent to every team that has expressed interest regarding “Rosalind Chronicles”, with the appropriate information to start this collaboration.
- A change was made to the date of our 2 webinars and they were moved to 23 and 24 of September respectively. (23/09 : Fundraising edition and 24/09 : Graphics edition)

## *30<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 26/08/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Human Practises**

- 2 calls happened this week, regarding our upcoming interview with the National Organization for Medicines of Hellas. In these 2 calls we discussed what questions should be asked and also we created a small presentation of our 2 projects and of the iGEM Competition. A date is yet to be set for the interview with the National Organization for Medicines of Hellas .
- A date was set for the interview with the representative from the European Medicines Agency, on 3 September.

### **Collaborations**

- More teams, such as iGEM NOUS, expressed their interest in our collaboration “Rosalind Chronicles”.

### **Dry Lab**

- Progress is being made with our “Scratch” game and is getting close to being finished.

### **Science Communication**

- A change was made to the date of our joint presentation in Thessaloniki and was moved from 28-29 August to 25-26 September.

### *31<sup>st</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 03/09/2021

6 members from the team iGEM Patras and 6 members from the team iGEM Thessaloniki participated.

#### **Human Practises**

- Our interview with the European Medicines Agency's representative took place and he presented us with information that both teams can implement to their projects.
- An interview date with the representative from the National Organization For Medicines has been agreed upon for 10 September.

#### **Science Communication**

- We managed to schedule 2 presentations in 2 private schools, 1 in Patras with the call taking place on 10 September and 1 in Thessaloniki with the call taking place on 15 September. Also, 2 more expressed interest in this idea.
- We began the preparation for the presentation regarding the private schools.
- iGEM Thessaloniki has reached out to some places, such as cafeterias and conference centers, where both teams can organize an event to present our projects live. This action is estimated to take place on 24-25 September in Thessaloniki.

#### **Dry Lab**

- Our Scratch game is finished and now we are starting the testing phase so we can eliminate any possible bugs that can occur.

#### **Collaboration**

- A progression call happened with the Canadian teams regarding the progress of our collaboration, "Rosalind Chronicles". A padlet with all the photos we received and the small bios of women scientists is almost ready and we talked about our presentation on their Workshop "Women in STEM :Diversity and Inclusion Workshop" which will be held in 16th of September.

## *32<sup>nd</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 10/09/2021

5 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

### **Science Communication**

- We finished the presentation that will be used for the private schools. Now a poster and some promotional ideas are to be carried out.
- Our event in Thessaloniki has been postponed to 29-30 September due to the availability of the Conference Center.
- We created a timetable for our presentation on 30 September. Equal time has been given to both our teams so we can present our projects. Also, time has been given to our PI's to present as well and after the event the attendees will have time to ask us questions about iGEM. This event will be carried out with the CoViD 19 health protocols in mind.
- Also, communication with public schools, regarding a presentation, has been set to start this week.

### **Collaborations**

- In view of our Webinars, we carried out a briefing, so that we can organize the tasks needed to be done before the webinars. For example, creation of the promotional graphics, creation of a registration form and setting an appropriate date for the promotion to start.
- A participation form will be created and promoted in the next 2 weeks regarding our webinar series.

### **Human Practises**

- Our interview date with the representative from the National Organization For Medicines has been carried through.



## *33<sup>rd</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 14/09/2021

1 member from the team iGEM Patras and 1 member from the team iGEM Thessaloniki participated. Specifically, our Wiki Masters.

### **Collaborations**

- We finished the presentation for Canada's Workshop and we rehearsed it alongside the Canadian team members !

### **Science Communication**

- Progress was made with the organization of our event in Thessaloniki. We divided the attendees into two groups, so that we follow the CoVid 19 protocols, and we created participation forms for these two groups. Also, we reached out to the speakers we wanted to invite to our event.
- Promotion of our webinar series, to the social media of both teams, is to take place this week.

## *34<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 29/09/2021

7 members from the team iGEM Patras and 5 members from the team iGEM Thessaloniki participated.

Today Patras's team members arrived at Thessaloniki ! We met in person and this meeting was to recapitulate our progress.

### **Collaborations**

- In view of our Webinars, that we held on 23rd and 24th of September, they were a blast and we successfully completed both of them.
- Also, the presentation for the Canadian Workshop was a success that took place on 16th of September.

### **Science Communication**

- We rehearsed for tomorrow's joint presentation.

## *35<sup>th</sup> Partnership Meeting iGEM Patras – iGEM Thessaloniki*

Date : 15/10/2021

10 members from the team iGEM Patras and 9 members from the team iGEM Thessaloniki participated.

**This is our last meeting for our Partnership journey. We checked our WIKI pages and the information we exchanged during all our meetings and calls. It's been a long road but we sure gained so much from this ongoing Collaboration as partners.**