

PARTNERSHIP NOTEBOOK



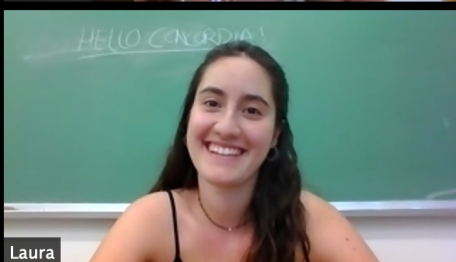
Laurène Adam



Lancia Lefebvre



Gabriel Aguiar-Tawil



Laura



Hajar El Mouddene



Eliot Coguët



iGEM C⁺ONC⁺ORDIA

In July we connected with iGEM Toulouse, who was also working on a project with yeast in space for a potential Partnership

NOTEBOOK 2020

July 8th

We spoke of our respective projects and collaboration goals.

iGEM Toulouse created a shared Google Drive and iGEM Concordia created a shared Slack.

We agreed to bi-weekly meetings.

July 22nd

- Toulouse promoters and genetic info (done)
- Promoters shared
- Software testing (next week 1st testing)
- As a scientist, from your point of view, how it could help Toulouse with their project
- 3rd version launched & can share for prelim testing by next week
- Resources and Connections (next week)
- Toulouse emailed Natalie @Euro Space Agency, on holiday back at the end of August. and Cc'd French Space Agency- specialist in bionutrients & microgravity.
- iGEM Concordia to share CUBES, Bionutrients
- Collaborative document (end of August) outline
 - Concordia
 - Gravity on the Moon, Mars
 - Microgravity in space and on Earth
 - Link to our database, Astrobio
 - Simulated Microgravity-SMG, LSMMG, HARV, Clinostats, RPM, RWV...
 - Resources/Institutes/ Companies: CUBES, Yuri Gravity, IceCUBES, Deep Space Ecology, Databases
 - Toulouse
 - Recycling in the space ship
 - Constraints, resources in the space ship
 - Bionutrients production
 - Plants, Bacteria, Yeast
 - Safety on the Space Ship
 - Documentation and testimonies to help future space projects To include: Other iGEM teams that have worked in space
- Any other or new ideas add in Slack Partnership
- Toulouse could execute an experiment for us in controlled conditions on Earth.
- We could test their promoters in microgravity next year

NOTEBOOK 2020

August 5th

- Concordia presents their software, AstroBio, to Arno and Laurène for design feedback
- Toulouse offers to do an experiment for Concordia

August 19th

- Software feedback for iGEM Concordia from iGEM Toulouse team
- iGEM Concordia gives feedback for the design of Toulouse's iGEMINI game and helps with translation
- iGEM Toulouse attends Concordia's panel discussions about synbio for food production in space.

September 2nd

- Focus on Contribution for partnership
 - Design is finalized
 - Contribution: finish text & research (Toulouse)
 - Find a template and share (Concordia)
 - Experiment→ maybe if they find the part in the lab
 - Software & video game feedback
 - List of people we could contact
 - Add GAL10 as an important part in our wikis for Partnership

Established Official Partnership Goals:

- Concordia Montreal includes Toulouse Vitamin A promoters in their reporter design.
- Toulouse tests our Software
- Collaborate on document to help future teams build their space project
- Share networks and connections
 - Concordia connections :IceCubes
 - Toulouse connections:National Center of Space studies partnership

September 10th

- Aim for 10 pages for our contribution document. Some content is cut.

NOTEBOOK 2020

September 30th

- Contribution
 - Start building the document in Canva: Toulouse to edit in Canva in the am, Concordia edits after 3pm-12am EDT
- Wiki content
 - Writeups for Partnership pages
 - Translation by both teams
 - Note on why we included GAL10
 - Concordia: Note on how the experiment Toulouse is performing is helpful

October

- Wiki crunch