

**Welcome to the LLMs for Bio Hackathon aboard Research Vessel Gene Chaser!**  
**Please read this document carefully for important information.**

The hackathon team will be busy during the event so we appreciate it if you will try to answer your question in this document first, before asking one of us. Thanks!

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## Internet

Wifi network: will be given at the event

Wifi password: will be given at the event

## Communications

You must join the Discord server to receive important real-time updates:

<https://discord.gg/ADgYkHhS3>

## Time and Address:

Friday July 28 through Sunday July 30 2023, Singapore

Aboard the Gene Chaser

**11 Cove Drive, #01-01, Sentosa Cove, Singapore 098497**

## Prizes:

1st place team: **\$5,000USD**

2nd place team: **\$3,000USD**

2x Runner ups: **\$1,000USD/each**

Potential opportunity for \$400,000 in additional support to develop your project into a startup over the next six months to a year

## Schedule

### July 28

Times are flexible. Some events may run later, others may end early.

9:00-9:30 AM	Registration/Check-in/WiFi setup, etc. <b>Please try to arrive early to account for entering the marina, security, traffic, etc.</b>
9:30-11:00 AM	Intro talk, introducing what the hackathon is about, rules, prizes, <b>topics</b> to work on, 4C. Q&A session Speech from Dr. Jonathan Rothberg and Dr. Vicky Demas from Identifeye Health. Summary from Andrew. Guest speaker: Stefan Harrer
11:00-11:30 AM	Team formation, brainstorming time, etc (teams can start working now).
11:30-12:30 PM	Lunch available (further brainstorming time, effectively)
12:30 - ∞	Hacking (snacks and dinner available) - Boat open all night for late night hacking. Beds not available.

### July 29

9:00 AM	Hacking starts (Gene Chaser opens at 9 AM)
12:00-1:00 PM	Lunch
1:00- ∞	Hacking (snacks and dinner available) - Boat open all night for late night hacking. Beds not available.

### July 30

Final day schedule is flexible.

9:00 AM	Hacking starts
2:00 PM	Hacking ends (teams must submit their projects and a demo)
2:00-3:15 PM	Intro from Dr. Rothberg and talk from special guest NUS Professor Zhang Yang
3:15-4:15 PM	Project Demos (3 mins per team, 3 mins Q&A)
4:15-4:45	Judges discuss projects

4:45 PM

Closing and awards

## Project Ideas

To be eligible for prizes, teams must work on a project adjacent and relevant to the mission of a 4Catalyzer company. Teams who do not create a project in this field will not be eligible for any prizes.

We are not looking for Kaggle-style projects like “plant disease detection with CNN” or “detect skin cancer lesions from image”.

Review the list of 4Catalyzer companies here: <https://4catalyzer.com/>

## Working Areas

The Lab (interior room with scientific equipment), the Lounge (upstairs room with glass walls), and outdoor seating areas will be available to work in. We will allocate additional space as necessary. Do not enter any of the guest cabins or other rooms unless authorized.

## Bathroom

There is one bathroom available inside the ship. It is right next to the Lab room and will have a piece of paper that says BATHROOM on it.

## Meals

Lunch, dinner will be served on Day 1 and Day 2. Lunch will be served on Day 3.

We will provide vegetarian and halal per request and meat options. Snacks and beverages will be available throughout the day freely.

## Rules

All participants agree to and must sign the forms provided to them to participate and be eligible for prizes.

Teams can consist of 1, 2, 3, or 4 people.

For further information, refer to the full rules at the end of this document.

## Project Submission and Judging Criteria

Teams must create a **ZIP file of their code with detailed Readme and full instructions to run, and fill out this Google Form before 1:45 PM on Sunday July 30:**

<https://forms.gle/PamUohr1SMdV74q68>. Email ZIP file to [agao@4catalyzer.com](mailto:agao@4catalyzer.com) and [ameadow@4catalyzer.com](mailto:ameadow@4catalyzer.com)

The Google Form will have questions asking things like what is the purpose of your project, what is the impact, how is it relevant to a 4Catalyzer company, etc.

Late submissions will not be accepted.

Projects will be graded on relevance to 4C, impact, technical skills, and uniqueness.

## Hackathon Rules and Code of Conduct



**4Catalyzer**

**LLMs for Bio Hackathon**

Spend **three days** using **AI** to tackle some of the biggest challenges in biotechnology and health. Join us in **changing the world – on a yacht.**

**JULY 28-30, SINGAPORE**  
ONBOARD GENE CHASER  
contacts:  
[joinus@4catalyzer.com](mailto:joinus@4catalyzer.com)

**\$10,000 USD prize pool.**



### 1. Objective:

The Generative AI and Biotech Hackathon organized by 4Catalyzer aims to foster creativity, innovation, and collaboration in the fields of generative AI and biotechnology. It provides a platform for developers, data scientists, biotechnologists, students, and other interested individuals to showcase their talents and make impactful contributions through an engaging three day event aboard the Gene Chaser yacht.

### 2. Eligibility:

University students, researchers, engineers working in biotechnology and/or AI, and any specially-invited guests. All participants must be able to code.

### 3. Registration:

All participants must register in advance. Every member of a team must register for themselves. Teams can be anywhere from 1 - 4 people. It is the case that some member of a team may not be accepted while the others may be accepted. Please be flexible. Also, **you do not need to have a team to apply**. We will hold team formation activities during the hackathon.

### 4. Event Schedule:

The schedule of the event will be shared with participants via email. All teams are expected to adhere to the timeline.

### 5. Tools, Data, and Resources:

Use of any tools, programming languages, or libraries is permitted as long as they are legal and ethical. Datasets for the hackathon will be provided at the start of the event. Alternatively, if you have any data you want to work on, please bring it with you downloaded or on a drive. Any external data used must be publicly available and properly cited. If you are bringing your own data, please **carefully review** the NDA and IP agreements to ensure that everything is in order.

### 6. Project Submission:

All projects should be submitted before the deadline using the provided submission portal. Late submissions will not be accepted. The project must include a clear description, the source code, data sources, and a presentation summarizing the project and its impact, findings, etc..

### 7. Originality:

All work submitted must be original and created during the hackathon. Plagiarism will lead to immediate disqualification. It is okay to use packages and libraries created before the hackathon or made by others. However, they must be explicitly cited and acknowledged. For example, "We used the XYZ package created by the ABC group at QRST University".

### 8. Judging Criteria:

Projects will be judged based on their innovation, impact, technical proficiency, and the quality of the presentation. The judges' decision will be final and binding.

### 9. Intellectual Property:

All code, designs, and ideas developed during the hackathon will fall under the agreements established in the forms signed by participants.

### 10. Non-disclosure and IP agreements

Participants must abide by the non-disclosure and IP agreements they signed.

### 11. Forms

To participate, all participants must fully sign any forms provided to them. This may include non-disclosure agreements, contracts regarding intellectual property rights, photo consent and release forms, waivers, and any other forms deemed necessary by 4Catalyzer.

## **Code of Conduct:**

### **1. Respect:**

All participants, judges, mentors, and volunteers are required to treat each other with respect and courtesy. Any form of discrimination based on race, religion, gender, nationality, or disability will not be tolerated.

### **2. Professionalism:**

Harassment of any kind is unacceptable. This includes, but is not limited to, verbal comments that reinforce social structures of domination, sexual images in public spaces, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome sexual attention.

### **3. Collaboration:**

While this event is competitive, it is also about collaboration and learning. Participants are encouraged to share ideas, help each other, and foster a collaborative environment.

### **4. Safety:**

Participants should take care of their own safety and belongings. The event organizers will not be responsible for any personal accidents, injuries, or loss/damage to personal items.

### **5. Compliance:**

Participants must comply with the rules of the hackathon and the directions of the event staff.

### **6. Reporting:**

If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact a member of the hackathon staff immediately.

### **7. Violation:**

Any participant found violating the Code of Conduct may be disqualified from the hackathon at the discretion of the event organizers.

Please note that this hackathon is meant to be a safe, inclusive, and rewarding experience for everyone. Your cooperation is highly appreciated. Let's make this a fantastic event together!

**By participating in the hackathon, you agree to all the rules and items in the code of conduct.**



If you do not understand anything here, please email [joinus@4catalyzer.com](mailto:joinus@4catalyzer.com). It is your responsibility to reach out if something is unclear. We are happy to help clarify questions.