BIOMOD

BIOMOD 2025 Online Briefing
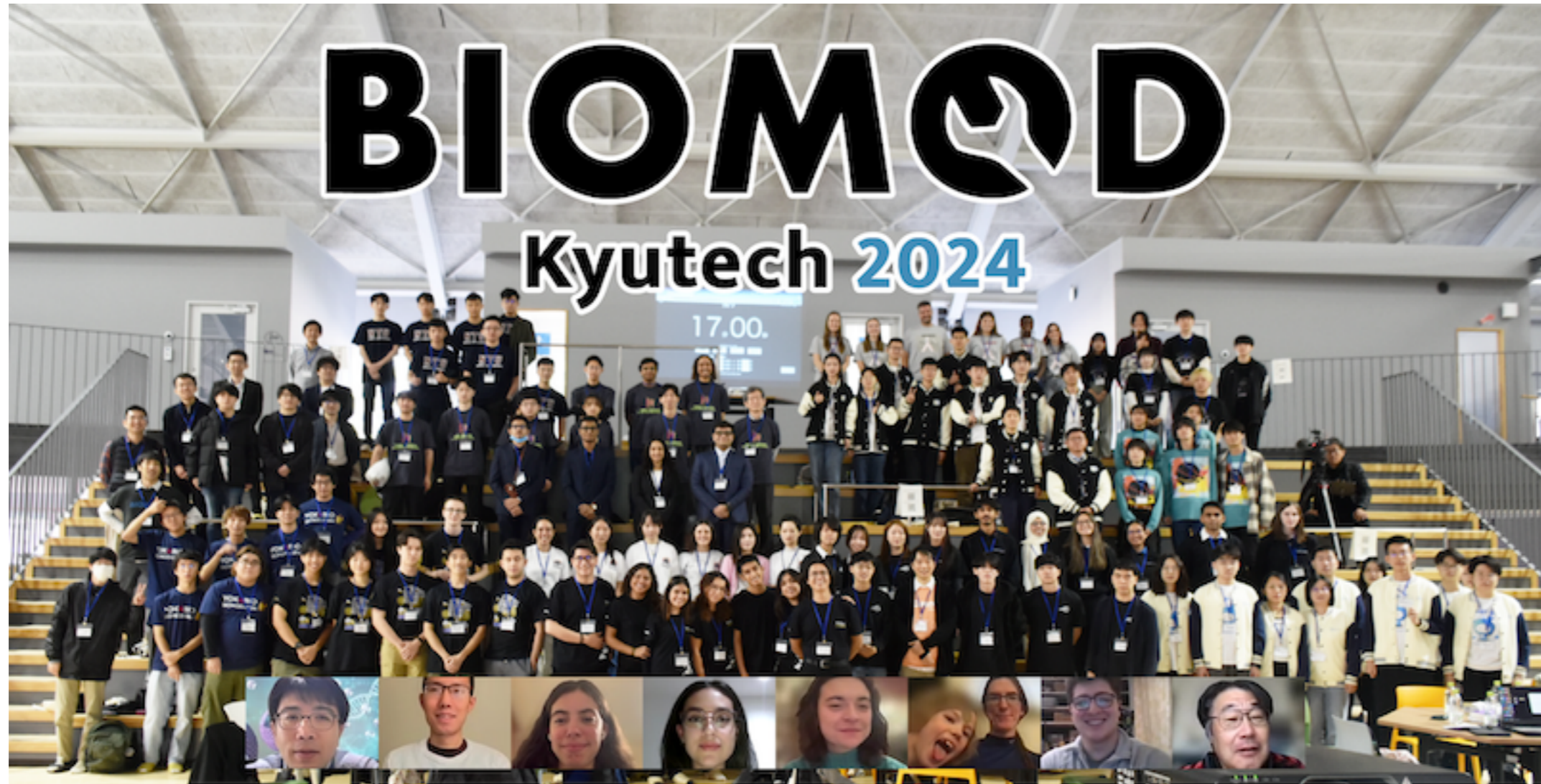
2025/04/18 BIOMOD Steering and Local Committee (info@biomod.jp)
Shogo Hamada

Welcome to BIOMOD!

- Overview

- Jamboree

- Eligibility for participation

- Rules

- Awards

- Timeline

- Registration

- Q & A

Overview

- **BIOMOD** is an annual international biomolecular design competition for undergraduate **students**

  - Molecular **robots**, molecular **computers**, prototype devices for **therapeutics**, etc...

  - Check "What is BIOMOD" video posted on biomod.net!

Overview (2)

- Started in 2011

- Intl. BIOMOD has been canceled since 2020 due to COVID-19

  - Japanese community continued as a domestic online competition (BIOMOD Japan Open, 2020-2022)

    - 2022: Expanded internationally by welcoming teams from overseas

- **Tokyo Tech 2023**: Relaunched International BIOMOD

- **Kyutech 2024**: Laying the foundation for future BIOMOD

  - Started Intl. Steering + Local Committee and the BIOMOD Institute

- Launched the Biomolecular Design Institute (Japan) (biomod.jp)

  - Started the BIOMOD Institute Slack Community (this month)

- **2025: Starting International Jamboree Venue Rotation**

BIOMOD

Jilin 2025

October 17-19

Jilin University, Changchun City, China

- Let's work together to continue this exciting event and expand our community!

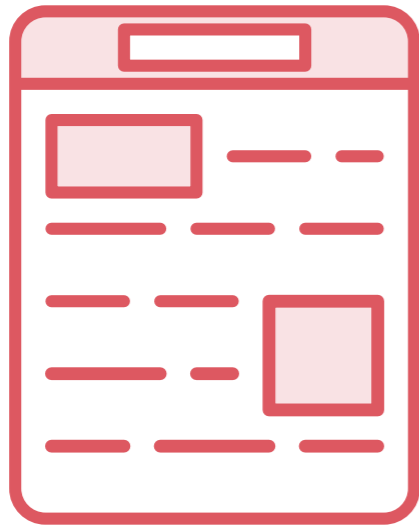# Jamboree

Prof. Shuwen Guan, LC Chair

Eligibility

- Team: **1 team per institution**

  - Forming a joint team with multiple institutions is also allowed

- Member: **Max. 8 undergraduate students** per team

  - High-school students are also welcome to join a university-led team

  - Please decide on the primary contact person

  - Mentors are not included in the member headcount

- Mentor: Faculty advisors, Postdocs, Graduate students

  - At least **1 Faculty advisor** per team is required

  - No headcount limits for mentors

  - We kindly request mentors to participate as judges as well

    - **New: At least one mentor from faculty advisors or postdocs is required to join as a judge (either online or in-person at the jamboree)**

Rules

- Project theme and planning are entirely up to the team

- Deliverables and Scores (Total 100 pts.):

Online content scoring   **Live scoring (Jamboree)**

Project Website
50 Points

Idea, Documentation, Execution

Video (Max. 3 min.)
25 Points

Impact, Clarity, Production

Presentation (10 min.)
25 Points

Content, Delivery, Q&A

- Check http://biomod.net/judging/ for details

- New:

  - Video upload/hosting repository will be prepared

  - Share project webpage links after the jamboree on biomod.net (opt-out style)

Awards

- **Top Prizes**

  - Grand prize = 1st highest total combined points from wiki + video + presentation

  - 1st runner up = 2nd highest total combined points from wiki + video + presentation

  - 2nd runner up = 3rd highest total combined points from wiki + video + presentation

- **Category awards**

  - Best Project Website = 1st place, 2nd place, 3rd place

  - Best YouTube Video = 1st place, 2nd place, 3rd place

  - Best Presentation = 1st place, 2nd place, 3rd place

  - Audience favorite = 1st place, 2nd place, 3rd place

- **Project awards**

  - Bronze: Team satisfied all minimum requirements for judging (Completed website, video, and presentation).

  - Silver: Overall score is above 50% of all teams.

  - Gold: Overall score is above 75% of all teams.

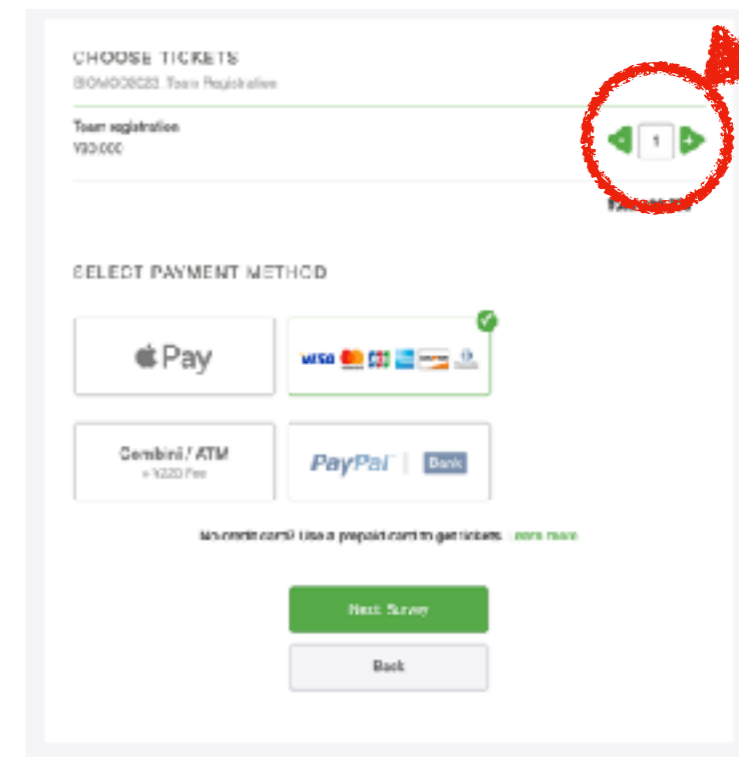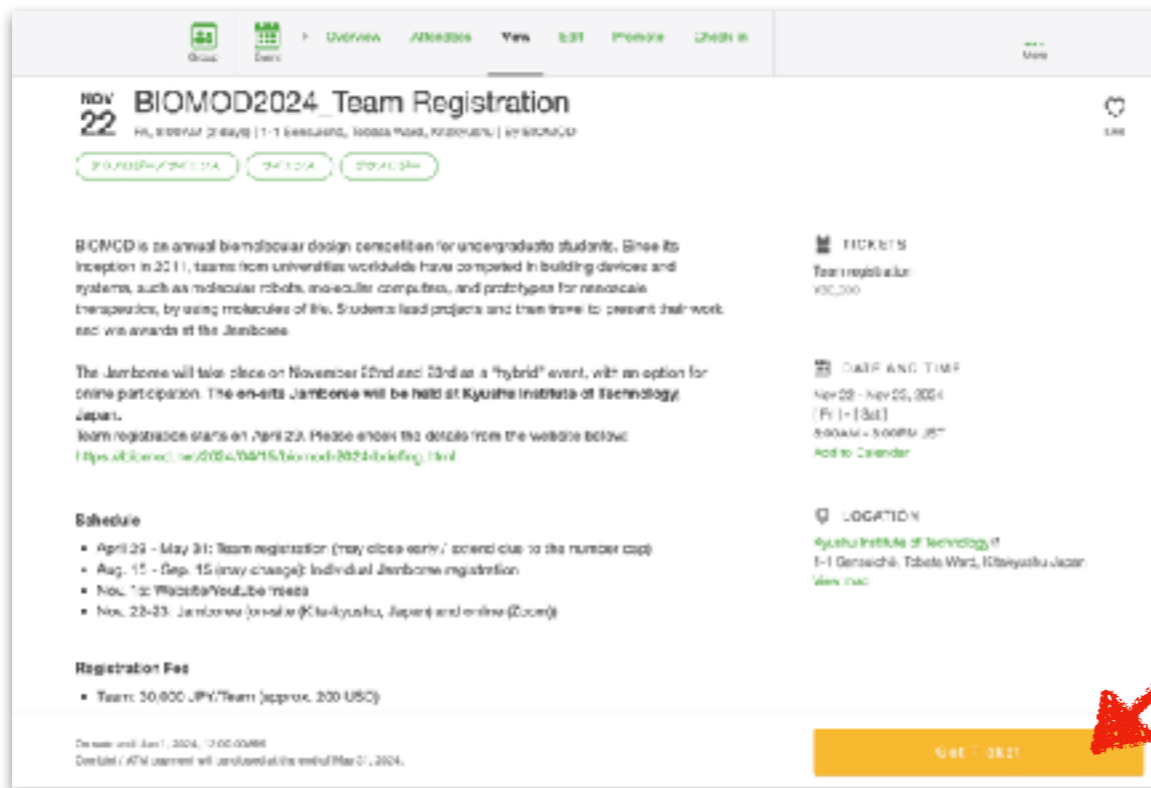- **Special awards** (Decided based on voting at the jamboree)

  - Molecular Robotics Award

  - Best Team T-shirt Award

  - Best ELSI* Practice Award (* Ethical, Legal, and Social Issues)

  - New: Computational Biomolecular Design Award

Timeline

- **April 18 - May 31**: Team registration (Peatix)

  - May close early / extend due to the number cap

- **Aug. 15 - Sep. 15**: Jamboree registration

  - incl. project title and abstract submission
    (see http://biomod.net/abstracts/ for previous examples)

- **Sep. 1**: Visa invitation letter requests due for international teams

- **Oct. 11**: Website/Video freeze

- **Oct. 17-19**: Jamboree (on-site (Changchun, China) and online (Zoom))

  - On-site practice slots will be available on October 17

  - **Day 1** (October 18): Presentation from each team, Social gathering (evening, after the presentation)

  - **Day 2** (October 19): Awards ceremony

Registration

- **Team registration** starts TODAY, now <u>available via Peatix</u>

  - https://biomod2025-team-registration.peatix.com/

  - Purchase a "ticket" (**one per team**)

    - Fee: 30,000 JPY (Credit Card, Apple Pay, PayPal)

    - Please answer the survey (contact info etc.)

- **Jamboree registration**: Aug. 15-Sep.15 (tentative)

  - <$220 per person (on-site), TBD (online); will be decided based on the survey result

Links and Inquiries

Team Registration website:

- https://biomod2025-team-registration.peatix.com/

BIOMOD Institute Slack

- For Faculty and Postdoctoral Mentors and Judges
  - Important announcements and discussions

  https://join.slack.com/t/biomodinstitute/shared_invite/zt-329ckid5i-W6jCMhDhJza~xcW2xkFtxQ

Steering Committee (SC): Rules and Schedules

- competition-sc@biomod.jp

Jilin 2025 Local Committee (LC): Jamboree-related topics incl. visa

- competition-lc25@biomod.jp

Office (BIOMOD Institute HQ): Other general questions

- info@biomod.jp

See you in Changchun this fall!

Q & A