

Beijing High School Synthetic Biology and iGEM popularity of the status quo

Through this questionnaire, we want to understand the high school student awareness of synthetic biology and iGEM, thus helping the platform of scientific exchange between high school students to build and enhance the publicity of the iGEM competition among the students. Your opinion is very important to our work. We promise to keep your information and views strictly confidential.

Gender: _____ Grade: _____ Date: _____

Synthetic Biology:

- (1) Before this event, have you ever heard of synthetic biology?
 Yes No (If no, skip question 2)
- (2) If yes, through what methods did you hear of synthetic biology?
 Internet news
 Teachers or parents
 Students, Upperclassmen
 Science books, books
- (3) After participating in this event, what about synthetic biology, an emerging discipline, has attracted you? (You may select more than one choice)
 Interested in the aspects of being able to use raw biological materials to synthesize life
 Application of prior biological knowledge
 Can learn at the international forefront of life sciences research hotspot
 A variety of diverse race platform to display their abilities
 Mastering a knowledge outside of school
 Display myself as a competitive platform
- (4) Have you ever heard of the International Genetically Engineered Machines Competition (iGEM) competition?
 Yes No (If no, please skip question 5)
- (5) Through what methods did you hear of iGEM?
 Internet, news
 Teachers, parents
 Students, Upperclassmen
 Participant
 Other _____
- (6) Based on the information you have obtained through lectures and pamphlets, are you willing to participate in iGEM?
 Yes (If yes, please skip to question 8) No (If no, please skip to question 7)
- (7) If you do not want to participate in iGEM, what is the main reason? (You may select more than one)

- Not interested in synthetic biology
- Not interested in the competition
- Too heavy of a time investment
- Not enough academic support (prior knowledge, etc.)
- School competition conditions
- Funding issues
- Other _____

(8) If you are willing to participate in iGEM, what is the main reason? (You may select more than one)

- Can understand the knowledge of synthetic biology
- Build friendships with high school students from around the world
- Grasp the basics of genetic engineering techniques
- Prepare to obtain good results in the competition for further education abroad
- Student the role of high school biology
- Exercise basic research ideas
- Prepare for participation in other high school competition (such as Science and Technology Invention Contest)

(9) If you participate in iGEM, what kind of assistance would you like?

- Basic genetic engineering knowledge
- Basic genetic engineering technology training
- Financial support (Experimental overhead, etc.)
- Students with experience in the iGEM collegiate division
- Students with experience in the iGEM high school division
- No assistance necessary

(10) If you participate in iGEM, how much time are you willing to personally invest?

- Most of your spare time
- Part of you spare time, other hobbies are prioritized equally
- Not a priority
- Do what you can, but when the pressure rises, give up

(11) If you participate in iGEM, how much time would you and your family be willing to contribute?

- Do not want the additional financial burdens
- Experimental costs
- Accommodation costs
- Airline tickets
- Other: _____

After listening to our seminar, “Life of the Machine – the Rational Construction of Artificial Biological Systems”, do you have any other suggestions or comments?

Thank you again for your support of synthetic biology and iGEM! Thank you!

If you are interested in iGEM – the international competitions, you are welcome to leave your contact information.

Name: _____ School: _____ Email:

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