

Fuzhou Lakeside International School

Publicity Effect Questionnaire

Question 1 After participating in our presentation, what do you think is most attractive to you in synthetic biology?

(multiple choices)

Option	Percentage
It can synthesize interested biological system and even life	73.2
You can put your biological knowledge into practice	60.0
Be able to understand the research hotspots of life sciences at the forefront of the world	48.1
Master one more knowledge	53.6
Show yourself when you participate in this	61.3
Total	/

Question 2 Through the promotion of this lecture and brochure, would you like to participate in iGEM? Yes—4 No—3

Option	Percentage
Yes	64.7
No	35.3
Total	100

Question 3 If you are not willing to participate in iGEM, what are the main reasons? (multiple choices)

Option	Percentage
Not interested in synthetic biology itself	53.6
Not interested in the competition itself	25.0
Too much time invested and heavy learning tasks	70.2
Insufficient academic support (knowledge reserve, etc.)	76.2
The school has no conditions to participate	60.7
No entry funds	42.9
Others	
Worried about lack of ability	
Don't know how to start	
Don't know how to form a team	1.2, 1.2, 1.2, 1.2
Feel unsuitable	
Total	/

Question 4 Why would you like to join iGEM? (multiple choices)

Option	Percentage
Can learn the knowledge of synthetic biology	66.4
Know and make friends from all over the world	57.2
Master basic genetic engineering technology	59.9
Get ideal results in the competition and prepare for further study and going abroad	82.9
Exercise scientific thinking	67.1
Improve abilities in many aspects	96.1
Total	/

Question 5 If you join iGEM, what help would you like to know or get? (multiple choices)

Option	Percentage
Basic genetic engineering knowledge	69.3
Basic genetic engineering technology training	72.3
Financial support (experimental expenses, etc.)	96.2
Teaching of College Students' participation experience	91.2
No additional help required	5.1
Total	/

Question 6 If you participate in iGEM, how much time are you willing to invest?

Option	Percentage
Most of the spare time	28.9
Part of spare time, balanced with other interests and hobbies	43.0
Just soy sauce	12.3
Do what you can and quit in time	15.8
Total	100

Question 7 After this presentation and the skit performance, has your interest in synthetic biology or iGEM increased?

Option	Percentage
Greatly improved	67.7
Certain degree of improvement	22.6
A little	2.9
No	4.7
Don't know how to judge	2.1
Total	100

Question 8 After this presentation and the skit performance, has your understanding of depression increased?

Option	Percentage
Greatly improved	81.7

Certain degree of improvement	6.8
A little	3.8
No	3.2
Don't know how to judge	4.5
Total	100

Question 9 After this presentation and the skit performance, do you think our team's project will be successful in clinical treatment in the future?

Option	Percentage
Yes	79.1
No	10.6
Don't know how to judge	10.2
Total	100

Through this questionnaire, we found that most of the students have improved their familiarity and interest in synthetic biology and iGEM after the presentation and skit. At the same time, the students had a more objective understanding of depression after this special day. We also found that for middle school students, the main reasons that currently affect them to devote themselves to synthetic biology research and participate in iGEM are: 1. Time constraints; 2. Out of worry about their knowledge and abilities; 3. Lack of laboratory conditions. In this regard, our lab has reached a friendly agreement with FLIS: If they want to learn more about synthetic biology experiments, or want to learn about/participate in iGEM, they can come to Fuzhou University to find us. We also realize that synthetic biology and iGEM have a strong attraction for middle school students. We should use the unique charm of synthetic biology to stimulate the curiosity of young people and seize opportunities for publicity and education. Our team will work with our school to establish a foundation and a popular science laboratory after the end of the 2021iGEM to contribute to the popularization of local synthetic biology.