**A tiny little questionnaire (◐ ‿ ◑)**

Welcome to take part in a joint questionnaire survey from Shenzhen\_SFLS IGEM team of Shenzhen Foreign Language school, SZU-China IGEM team of Shenzhen University and SYSU-CHINA IGEM team of Sun Yat-sen University ( \*｀ω´)! We are going to give you a science lecture on RNA regulation and application, biological adhesion and synthetic biology on September 16th! Before this, we would like to know something about you through a small questionnaire. All personal information is not available to us or anyone else ~ Please feel relieved to answer the questionnaire faithfully!

1. What's your gender? (single choice \* mandatory)

○ Male

○ Female

○ Other \_\_\_\_\_\_\_\_\_\_\_\_

2. What’s your grade? (single choice \* mandatory)

○ first year of High school

○ the second year of high school

○ the senior year of high school

3. Do you know anything about synthetic biology? (single choice \* mandatory)

○ I Do understand! Know its specific research content!

○ Heard about it but do not know the specific research content!

○ I don't know!

4. Which disciplines do you think synthetic biology is closely related to? (multiple choice \* mandatory)

□ computer science

□ genetic engineering

□ molecular biology

□ cell biology

□ bionics

□ information science

□ statistics

□ system biology

□ electrical and electronic engineering

□ not clear

□ other \_\_\_\_\_\_\_\_\_\_\_\_

5. What is your attitude towards synthetic biology? (single choice \* mandatory)

○ Very support the frontier disciplines, hope for the benefit of mankind.

○ A neutral attitude, neither for nor against.

○ Very resistant, I hope it will not continue to develop.

○ other \_\_\_\_\_\_\_\_\_\_\_\_

6. Have you known about the iGEM competition? (single choice \* mandatory)

○ I do understand! And I have followed it.

○ I've heard about it, but I don't know anything about it

○ I don't know about it.

7. Do you know which of the following several kinds of RNA (̀ ⌄ ́)? (multiple choice \* mandatory)

□ mRNA (messenger RNA)

□ rRNA (ribosomal RNA)

□ tRNA (transfer RNA)

□ microRNA

□ telomerase RNA

□ ribozymes

□ antisense RNA

□ other \_\_\_\_\_\_\_\_\_\_\_\_

8. How much do you know about mRNA? (single choice \* mandatory)

○ I understand quite well! I Know its characteristics and function!

○ I generally understand, know its characteristics but not its function

○ I don't know much about it. I've only heard of it

○ I don't understand

9. Do you know RNAi (RNA interference)? (single choice \* mandatory)

○ Understand

○ Don't understand

○ Other \_\_\_\_\_\_\_\_\_\_\_\_

10. Do you know microRNA? (single choice \* mandatory)

○ Very well understood! I clearly know its function and mechanism!

○ Generally, Understand, I know its characteristics but not how it works!

○ Know what it is! But do not understand the role and mechanism!

○ Not very understanding (￣ ∇ ￣)

○ Other \_\_\_\_\_\_\_\_\_\_\_\_

11. Do you know about the oncolytic virus or adenovirus used to treat cancer? (single choice \* mandatory)

○ I learned about oncolytic viruses!

○ I known about adenovirus!

○ What do these two guys actually are? ಠ \_ ಠ

○ Other \_\_\_\_\_\_\_\_\_\_\_\_

12. What stage do you think the current development of cancer therapy is at? (single choice \* mandatory)

○ In the early stages of development, can only treat a small number of early cancer, and the cure rate is low.

○ In the middle stage of development, can treat part of the early or middle stage of cancer, and there are new cancer treatment.

○ In the development bottleneck period (development lag period), at present has not seen very effective cancer treatment.

○ other \_\_\_\_\_\_\_\_\_\_\_\_

13. What kinds of cancer treatments do you familiar with or know about? (multiple choice \* mandatory)

□ surgical resection

□ radiotherapy

□ Chemotherapy

□ molecularly targeted drugs

□ oncolytic adenovirus therapy

□ immunotherapy

□ endocrine therapy

□ minimally invasive treatment

□ none of the above

□ other \_\_\_\_\_\_\_\_\_\_\_\_

14, Next, let’s change a topic ~ do you know invasive plant mikania? (single choice \* mandatory)

A. I know.

A. I don't know.

15. What do you think are the reasons why the invasive plant mikania mikania can cause so much harm to the invading ecosystem? (multiple choice \* mandatory)

□ It can rapidly spread, causing the formation of mikania single community.

□ It can climb and entangle other plants.

□ It can plunder sunlight, water and other essential resources for other plants to grow.

□ Difficult to eradicate, because of its tenacious vitality

□ other \_\_\_\_\_\_\_\_\_\_\_\_

16. Invasive plants refer to plants that have crossed the insurmountable space barriers from one place to another through human activities, and have caused obvious negative impacts on the ecological environment and landscape of the place through invasive growth. What do you think are the reasons why an invasive plant like this can harm an invasive ecosystem? (multiple choice \* mandatory)

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□ It can plunder sunlight, water and other essential resources for other plants to grow.

□ Difficult to eradicate, because of its tenacious vitality

□ other \_\_\_\_\_\_\_\_\_\_\_\_

17. Have you known about the management methods of the invasive plant mikania mikania before? (multiple choice \* mandatory)

□ manual extraction

□ pesticide spraying

□ introduce natural enemies

□ community transformation

□ no understanding

□ other \_\_\_\_\_\_\_\_\_\_\_\_

18. Have you known about the treatment methods of invasive plants before?(multiple choice \* mandatory)

□ manual extraction

□ pesticide spraying

□ introduce natural enemies

□ community transformation

□ no understanding

□ other \_\_\_\_\_\_\_\_\_\_\_\_

19. Go! The last topic, have you ever known about biological adhesion? (single choice \* mandatory)

○ Yes! I Know a lot about it.

○ Yes, but I don't know much about it

○ I haven't heard of it

20. What kind of band-aid do you prefer? (multiple choice \* mandatory)

□ The liquid type

□ Solid type

□ Tape-like

□ roller-like

□ what's the reason?\_\_\_\_\_\_\_\_\_\_\_\_

21. Are you interested in synthetic biology? (single choice \* mandatory)

○ Very interested

○ It's just so-so

○ no interest

○ other \_\_\_\_\_\_\_\_\_\_\_\_

22. One last question! Would you like to attend our presentation?(single choice \* mandatory)

○ I am Willing to.

○ No, I don't want to.

○ other \_\_\_\_\_\_\_\_\_\_\_\_