

## Questback Questionnaire



### **Synthetic biology – great potential but difficult to understand?!**

Dear participant, we are the iGEM team of the University Hamburg and we would like to ask you to participate in a very brief but important survey. We understand that many scientific articles are written in a way that is difficult to fully comprehend. This is also the case with the scientific field of synthetic biology, which concentrates on the development of artificial or modified biological microorganisms for example for the production of pharmaceuticals.

Yet, clear communication between society and the scientific community is a necessary foundation for identifying diverse problems that could be solved by scientific approaches. Thus, we ask you kindly to help us improve this communication by answering a few brief questions. Of course, your answers will be anonymized.

#### Why do we collect and use your data

We collect your data to get a clear image of the common knowledge and interest concerning synthetic biology. In this sense, it is also important to understand your personal background. With this information we are going to make the documentation of our iGEM project better. Thereby we want to give you the chance to understand our ideas more easily.

I hereby agree that my data may be collected and processed by the iGEM Team Hamburg 2019.

#### How to contact us

iGEM Hamburg 2019

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If you would like to obtain more information about the processing of your personal data, please click [here](#)

- I agree to the processing of my personal data in accordance with the information provided herein

[I don't want to participate](#)

Start the survey



## Survey

### 1 Gender

What is your gender?

- male
- female
- diverse
- prefer not to say

### 2 Age

How old are you?

- < 18
- 18 - 24
- 25 - 29
- 30 - 39
- 40 - 49
- 50 - 59
- 60 - 69
- > 69

### 3 Educational degree

What describes your educational background best?

- School / High School
- Bachelor of Science

Bachelor of everything else (arts, engineering, education, ...)

Master of Science

Master of everything else (arts, engineering, education, ...)

Diploma

Doctorate

Apprenticeship

Other

No graduation

#### 4 professional background

**Are you active in any field of natural sciences (e.g. studying, work)?**

Yes

No

#### 5 iGEM participation

**Have you ever participated in the iGEM competition?**

Yes

No

#### 6 Topics

**Where does synthetic biology and /or genetic engineering play a role in your life? Please give up to three specific examples.**

Answer 1

Answer 2

Answer 3

## 7 Terms

Imagine you are reading an article containing following terms. How would you describe your understanding of these terms?

	I've never heard of it.	I've already heard of it.	I've already heard of and can roughly understand it.	I've already heard of and could explain it.
DNA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RNA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Green genetic engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sub-organic chemistry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CRISPR/Cas9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Convective binding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prokaryote	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gene regulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biotechnology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amino acid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nanoparticle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 8 synbio

**Which of the answers below do you associate with the term synthetic biology? Multiple answers are possible.**

Research regarding diseases and drug development.

The risk that genetically modified organisms may escape from a laboratory.

The development of synthetic biological applications.

Using synthetic biological systems to study fundamental biological issues.

The risk of terrorist or military use of synthetically modified organisms.

## 9 Interest

**Synthetic biology promises great potential for solving diverse biology-related problems. Which of the following fields of application is most interesting to you? Please check three (3) maximum.**

Medicine

Pharmaceuticals

Ecological

Food production

Material production

Genetic engineering

Do-it-yourself biology

Biosafety

Hygiene products

Others

None

## 10 View on synBio

What is your stance regarding the recent progress of genetic engineering? Below you can see three categories. Please mark one answer for each category.

### Category 1: Risks of genetic engineering

concerned

unconcerned

**Category 2: Your o**

interested

indifferent

**Category 3: Opportunities of genetic engineering**

none

many

Thank you very much for participating!

If you want to inform yourself about us or our project or want to find out news about this survey, follow us on Twitter ([iGEM Hamburg 2019](#)), Instagram ([igemhamburg](#)) or Facebook ([iGEM Hamburg](#)) or slook for #synbiocommunication onTwitter and Instagram.

If you have any more questions or suggestions, kindly contact us via email:

[igem.hamburg@gmail.com](mailto:igem.hamburg@gmail.com)