



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

DEPARTMENT BIOLOGIE I
BEREICH MIKROBIOLOGIE



Prof. Dr. Thorsten Mascher
Phone +49 (0)89-2180 74622
Fax +49 (0)89-2180 74520
Email mascher@bio.lmu.de
<http://syntheticmicrobe.bio.lmu.de>

Liefer- und Postanschrift:
Ludwig-Maximilians-Universität
Mikrobiologie AG Mascher
Großhaderner Straße 2-4
D-82152 Planegg-Martinsried

Questions, Comments?

Survey about synthetic biologie

Students from the LMU are taking part at the competition about synthetic biology called iGEM for the first time this year. iGEM (= "international competition of Genetically Engineered Machines") is hosted by the Massachusetts Institute of Technology and an important part of the competition consists of dealing with the possibilities and dangers of this new technology, as also with the general opinion in the population. This sets the foundation for a factual, balanced public discussion. Out of these reasons we request you to take part in this survey.

A short introduction: What is "synthetic biology"?

The subject area of synthetic biology, biologist, chemists and engineers collaborate to construct biological systems, that aren't found in nature. The biologist therefore becomes to the designer of particular molecules, cells and organisms, with the aim of creating biological systems with new properties.

Different to genetic engineering not only single genes are brought from organism A to organism B, but the aim is to create totally synthetic biological systems.

Personal information

Sex

m

Age:

f

Profession: _____

Nationality: _____

Religious belief:

Dienstgebäude
Großhaderner Straße 2-4
Raum E02.027
82152 Planegg-Martinsried

Anfahrt / Wegbeschreibung siehe:
<http://www.biologie.uni-muenchen.de/anfahrt/index.html>

Bayerische Landesbank München
Kto. 24 868 BLZ 700 500 00
USt-IdNr. DE 811 205 325



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

DEPARTMENT BIOLOGIE I
BEREICH MIKROBIOLOGIE



Questions about synthetic biology

Have you ever heard of „synthetic biology“ and if so, where and how?

Do you know who Craig Venter is?

Yes

No

If you would suffer a serious disease, would you take medicaments that were created by synthetic biology?

Yes

No

Would you drink beer with higher alcohol percentage, which was brewed with synthetically changed yeasts?

Yes

No

Do you think that DNA in food is dangerous?

Yes

No

Would you support research in the field of synthetic biology, if it was protected against misuse?

Yes

No



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

DEPARTMENT BIOLOGIE I
BEREICH MIKROBIOLOGIE



Define your idea of a misuse:

Do you feel offended in ethically, morally or religiously reasons by synthetic biology?

- ethically morally religiously No

When at least one of those reasons apply, define in what way:

What is your opinion of the arrangement of gene banks, in which genes and other DNA-compounds are collected from the research community and exchanged?

- I think it is a good thing I find it quite frightening

Do you support research in the area of genetical engineering?

- Yes No



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

DEPARTMENT BIOLOGIE I
BEREICH MIKROBIOLOGIE



Would you say that you are well equipped with knowledge about such biological topics?

Yes

No

Would you basically be interested in getting information about such topics?

Yes

No

In what form should this be realized?

Do you support further research in the area of synthetic biology?

Yes

No

I'm not sure yet