

"Indonesian German Network in BioSciences" proudly present:

International IGN Students Competition 2020

"Gene Surgery (CRISPR-Cas) and Its Possible Applications for Covid-19"

Categories

Category A1

There is a lot of talk that CRISPR-Cas germ line editing in humans may eliminate all hereditary diseases. Others say that there are much easier, less risky and ethically more acceptable ways to do this. What could that be? Discuss methods, risks and ethical implications! Give references to the literature. (maximum 3.000 Characters including spaces, excluding references).

Category A2

He Jiankui edited the CCR5 receptor in three children to make them resistant to HIV. Do a literature search to find out about the consequences of the CCR5 del 32 mutation. Discuss and give references. There is more than there seems to be on the first glance! Wikipedia may not be enough for searching! Give references for the sources that you used to answer the questions. (maximum. 3.000 Characters including spaces, excluding references)

Category B

Make a short video (animation) on any of the CRISPR-Cas modifications (molecular tools) that have been developed (e.g. Sherlock, prime-editing, epigenetic modifications by CRISPR-Cas etc.). Give reference to the original papers and if your ideas are based on an existing video.

Category C

Write an essay/story on the advances/consequences that you can imagine for the year 2050. This is science fiction but it has to be based on science (give references for the basis of your ideas!). Max.: 5.000 characters including spaces, excluding references). Graphics or cartoons for illustration are allowed but not obligatory for A1, A2 and C.

Students may participate in all categories with separate submissions.

Participant

Students (Bachelor – Doctoral students of up to the age of 30 years) from Indonesian and German Universities of IGN Member as listed below (see Logo)

Submission

The first page of the submission should list:
(1) Name of participant (include e-mail address)
(2) Age and scientific degree (BSc, MSc, PhD)
(3) Affiliated University/Institution & Address
(4) Name of supervisor (if applicable).
Submissions in English should be send as PDF (or any of the common video formats for Category B) to the following link: <http://bit.ly/igncompetition2020>
Deadline is Sept. 30th 2020

Prize

For each category, there will be 3 winners with the following prizes:
1st prize of 150 €;
2nd prize of 125 €;
3rd prize of 100 €
(calculation in IDR: 1€= ±17.000 IDR).
German student participants are not eligible for money prizes but as compliment, the winners will receive "Special Gift".

Published

All qualified submissions will receive a certificate of participation. Submissions will be strictly disqualified if there is any scientific fraud e.g. plagiarism. Submissions will be evaluated by a committee based on scientific quality and creativity. Good style and English language is required but does not have first priority in the evaluation.

Selected submissions may be published in the journal "BiuZ" and/or on the Web-Blog www.crisper-whisper.de. Participation in this competition automatically includes copy right transfer for potential publication. The committee reserves the right to cancel or change prizes depending on the number and quality of submissions.



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