

Syllabus

role of synthetic biology in
medicine

CRISPR technology in the fight
against COVID-19

gene-editing technologies

exploring some ethical
considerations of synthetic
biology in medicine

Week 2: Medicine and Gene-editing Technologies

w/ Shaira Gozun and Anna Beatriz Suavengco



Shaira Gozun

Life Sciences, Materials Science

Ambassador - Philippines

About the instructor

As a student innovator, Shaira has worked on team projects involving Acoustics and Bioluminescence. These projects led her to be a part of the Philippines team in international research competitions and meetings such as ISEF 2019, HKSSPC 2018, and ASA 178th meeting. Since 2017, she has been sharing her research knowledge and experience through talks, seminars, and student mentorships. Her current co-researchers are Neil David Cayanan and E'van Relle Tongol. She hopes that the awareness and involvement of the public in synthetic biology and ethics will lead to future applications and policies.



Anna Beatriz Suavengco

Microbiology, Plant Pathology
and Biotechnology

Representative - Philippines

About the instructor

Bea is an Agriculture student in the University of the Philippines Los Banos who has been doing microbiology, plant pathology and biotechnology-related studies since 2016. She was a two-time gold medalist at the Kaohsiung International Invention and Design Expo in 2016 and 2017 and a finalist at Intel International Science and Engineering Fair 2019. She is an ambassador for Science and ultimately an ambassador of the Creator of Science.

Bea is particularly passionate about reaching the next generation and promoting STEM in her community through talks, seminars and mentorships. For her, synthetic biology could offer powerful solutions to the world's most intractable problems but could also lead to detrimental outcomes in the wrong hands.