The iGEM competition is an annual international synthetic biology event aimed at undergraduate university students, as well as high school and graduate students. The competition gives students the opportunity to push the boundaries of synthetic biology by tackling everyday issues facing the world. Multidisciplinary teams work together to design, build, test, and measure a system of their own design using interchangeable biological parts and standard molecular biology techniques. This year, there were 353 teams from 42 countries, with over 7000 participants.

Team NTU-Singapore 2019 was awarded the Gold medal this year, with their project titled 'CasRx: More than meets the I'. The team worked hard throughout summer to improve on Cas13d-directed RNA editing using a Cas13d-ADAR2 fusion protein. The resulting fusion protein allows for A-to-I RNA base editing with a lower off-target editing rate. Apart from working in the lab, the team also engaged the community to raise awareness on gene editing technologies.

To understand more about their project, please visit their Wiki: https://2019.igem.org/Team:NTU-Singapore

(Gold medal since 2015)

Team members:

1. Douglas Tay Jie Wen (SBS)
2. Teo Seok Yee (SBS)
3. Ge Xiao Yu (SCBE)
4. Ng Zhi Jian (SCBE)
5. Liew Kai Shin (SCBE)