



Our warmest congratulations to Prof. Tan Meng How and his team for winning the Gold medal once again at the iGEM synthetic biology competition.

The iGEM competition is an annual, worldwide, 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. Made up of primarily university students, 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. Every year nearly 6,000 people dedicate their summer to iGEM and then come together in the fall to present their work and compete at the annual Jamboree.

This year, the multidisciplinary team from NTU won the gold medal and best basic part award with their team project named as "ModVision, A CRISPR/Cas Base-Editing Toolkit". The team worked hard tirelessly all summer to exploring the base editing in DNA and RNA using Cas proteins, as well as a third generation sequencing method called nanopore sequencing. In addition, the team has also successfully characterised dCas13d-ADAR2, a fusion of catalytically inactive Cas13d protein and ADAR protein, for A-to-I base editing in RNA, which won the best basic part award.

Kudos to all the great contribution and support from the following team members:

- Asst. Prof. Tan Meng How (SCBE)
- Pornchai Kaewsapsak
- Yuanming, Wang
- Louis, Kok Eng Piew
- Ivy, Liu Kaiwen
- Norfala-Aliah binte Sutrisnoh
- Kean Hean, Ooi
- Undergraduate Students: Albert Praditya, Angelysia Cardilla, Danny Teo, Liu Hao, Shaw Kar Ming, Yi Zirong

To learn more about the award winning project, please visit <http://2018.igem.org/Team:NTU-Singapore>.

NTU Singapore is proud to be awarded the Gold award for three consecutive year in a row. Once again, congratulations to Prof. Tan & his winning team.