



## International Genetically Engineered Machines Competition



- Looking for something exciting to do this summer?
- Interested in using biological engineering to better the world?
- Enjoy working on challenging team-based research projects?
- **Come join the 2018 Columbia iGEM team!**

The International Genetically Engineered Machine (iGEM) [www.igem.org](http://www.igem.org) program is a collegiate team-based competition for undergraduates from around the world to design and build biological systems in the **exciting field of synthetic biology** that can potential transform the world. These projects span areas of biotechnology, materials, energy, agriculture and medicine. Past iGEM projects have included: 1) engineering probiotic bacteria to modulate health; 2) programming skin microbes to secrete anti-mosquito repellant molecules; and 3) developing next-generation anti-cancer vaccines through RNAi technologies.

We are now recruiting Columbia students interested in synthetic biology to join the Columbia iGEM team this summer. The team is open to undergraduate students at all levels (from freshmen to seniors) majoring in **Biology, Chemistry, BME, ChemE, EE, CS, Material Science, Physics, or Math**. Students will work over the 2018 summer (May 29 to Aug 24) with graduate and faculty mentors at Columbia University to develop and execute a project of their own creation! Team members will present their work at the iGEM World Jamboree in Boston in the fall of 2018.

**TO APPLY:** please email your CV and one or two ideas for what you would do if you could engineer biology for something useful to [cuiigem2018app@gmail.com](mailto:cuiigem2018app@gmail.com). Depending on program funding, summer stipend may be available to participants. Applicants must apply by **April 6, 2018**. Acceptances will be sent out by 4/11/2018.

### ***Columbia University faculty mentors:***

Prof. Harris Wang, Dept. of Systems Biology  
Prof. Virginia Cornish, Dept. of Chemistry  
Prof. Ken Shepard, Dept. of Electrical Engineering  
Prof. Tal Danino, Dept. of Biomedical Engineering  
Prof. Lars Dietrich, Dept. of Biological Sciences  
Prof. Alex Chavez, Dept. of Pathology and Cell Biology

