



## Interested in starting an iGEM team in 2020?

Visit the 2020 Competition website for information

[Take me to 2020!](#)

### News

**We're looking for YOUR suggestions!**

Past iGEM teams have built, coded and produced great resources for the community, and this year the Measurement Committee is setting out to make these available to everybody!  
**Read more**



### A pioneer in engineering biology.

The iGEM Foundation is an independent, non-profit organization dedicated to the advancement of synthetic biology, education and competition, and the development of an open community and collaboration. This is done by fostering an open, cooperative community and friendly competition.

iGEM's main program is the iGEM Competition. The iGEM 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



## International Genetically Engineered Machine Competition

[View more news](#)

and then come together in the fall to present their work and compete at the annual Jamboree.

### Our Focus

iGEMers are building a better world by solving problems with the help of synthetic biology. The **iGEM Competition** inspires thousands of students each year to work in teams to address unique challenges in their local communities. Browse through **iGEM projects** and learn how teams are solving real world problems.

We celebrate team achievements at the annual **Giant Jamboree** by showcasing projects from participating teams and awarding medals, prizes, and the grand prize, the BioBrick trophies.

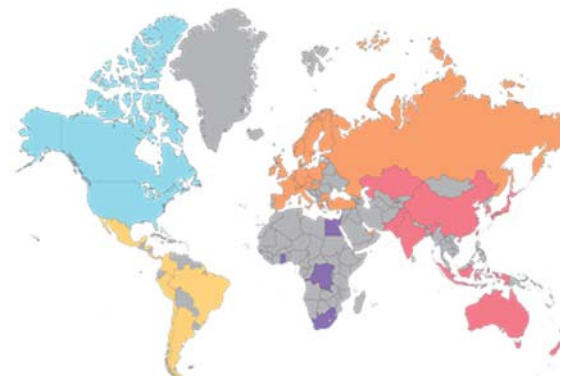
We inspire responsible innovation through our efforts in biosafety, biosecurity and public outreach. Learn more by visiting **Safety & Security** and **Human Practices**.

iGEM sets the standard in synthetic biology with standardized parts. Learn more about the open source technology and browse through 20,000+ standardized genetic parts in the **iGEM Registry**.

### Our Community

The iGEM community is made up of international trailblazers from over 45 countries around the world. Learn more about the **iGEM Teams**.

In 2017 iGEM launched the After iGEM program. This program supports over 30,000 iGEMers -- students and instructors -- who has gone through the competition since its inception in 2004. This global network is leading the field, taking what they learned in the competition and expanding it to continue to build a better world. Learn more about iGEM's global **After iGEM** community where members take what they learned and experienced in the competition and expand it to continue have an impact on the world.



### Our Impact on the World

Finding  
Solutions

Building a  
Better World

Inspiring  
Responsible

Setting the  
Standard:



**International Genetically Engineered Machine Competition**

By working together, students can do amazing things. Browse through **iGEM projects** and learn how teams are solving real world problems with the help of synthetic biology.

international network of academics and industry professionals are building a better world. Visit **After iGEM** to learn more about engagement opportunities within iGEM, in synthetic biology, and in the global community.

iGEM's global engagement in biosafety and biosecurity is revolutionary. Visit **Safety & Security** to see why. For iGEM's role in worldwide outreach and engagement, visit **Human Practices**.

**based on Standard Parts**

Learn more about the open source technology and browse through 20,000+ standardized genetic parts in the **iGEM Registry**.



## RE-LIVE 2019

The 2019 season of the International Genetically Engineered Machine Competition is now over. Congratulations to all participants! Re-live iGEM 2019: Click below to browse team projects, results, photos, and videos from 2019.

**[iGEM 2019 Website](#)**



## iGEM 2020!

Save the date for the iGEM 2020 Giant Jamboree October 29 to November 2.

**[iGEM 2020 Website](#)**



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# Experience iGEM International Genetically Engineered Machine Competition

## Welcome to iGEM

A message from Meagan Lizarazo, Vice President. Visit the competition site **2019.igem.org** to learn more.

## Safety in iGEM

A message from Piers Millet, Director of Safety and Security. Visit **Safety @ iGEM** and the **Competition Safety Hub** to learn more.

## Human Practices at iGEM

A message from Megan Palmer, Director of Human Practices. Visit the **Human Practices Hub** to learn more.

## Experience iGEM

Experience the excitement of the iGEM Giant Jamboree.

**VIDEO LIBRARY**

**PHOTO LIBRARY**



## **iGEM Foundation**

The International Genetically Engineered Machine (iGEM) Foundation is an independent, non-profit organization dedicated to the advancement

## **Contact us!**

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development of an open

community and collaborative

# International Genetically Engineered Machine Competition

show black menu bar

HQ tools