

iGEM at Alma College

A student-run synthetic biology research program

WHAT IS iGEM?

iGEM is a multi-disciplinary, student-run research program for teams from across the globe to compete annually at the largest synthetic biology conference in the world. Topics that are explored are aimed to solve a problem within the community ranging from diagnostics projects to environmental science.

There are four main groups you can join within Alma iGEM (no prior experience needed!):

- **Wet lab:** Working in our molecular genetics laboratory
- **Human practices:** Interacting with the community to educate others about our project
- **Wiki:** Coding a website to present our data for competitions
- **Math modeling:** Describing the function and operation of our current project



CONTACT

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AWARDS AND PROJECTS

Our first year competing in 2019, we brought a **Silver** medal back to Alma from Boston, MA, where the conference was being held. We focused on preventative measures for Atherosclerosis.



At this past year's competition, although virtual, Alma iGEM was awarded a **Gold** medal for our project called "Poisoned River." We are working

with the EPA and Alma College faculty who have done research on the local Pine River to create a biosensor to detect levels of a chemical called DDT. Our next goal is to break this compound down in an environmentally friendly way. When successful, we will be able to give back to not only our community, but impact ecosystems all over the globe.



For more information, visit alma.edu/academics/biotechnology/igem/