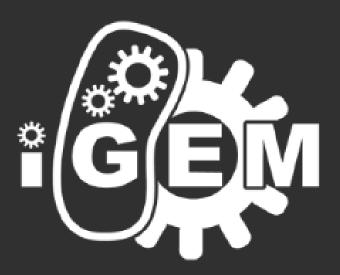




The International Genetically Engineered Machine



Biggest Synthetic biology competition across the globe

Synthetic Biology

Putting the engineering back into genetic engineering

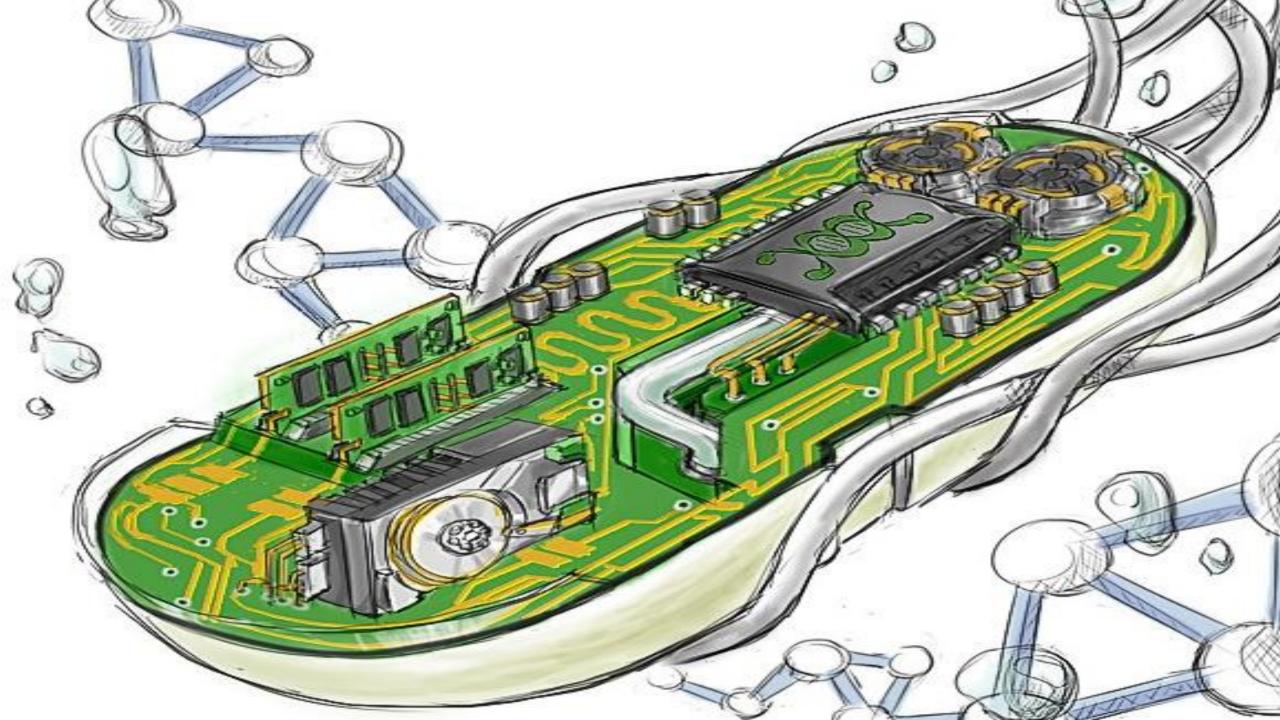
What-Syn-a-Name?

"an emerging discipline that uses engineering principles to design and assemble biological components"

Systems Biology

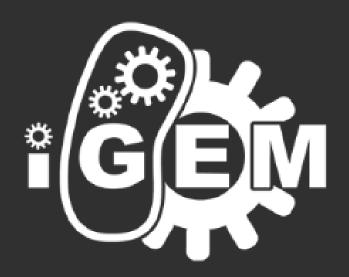
Synthetic Biology

International Genetically Engineered Machine

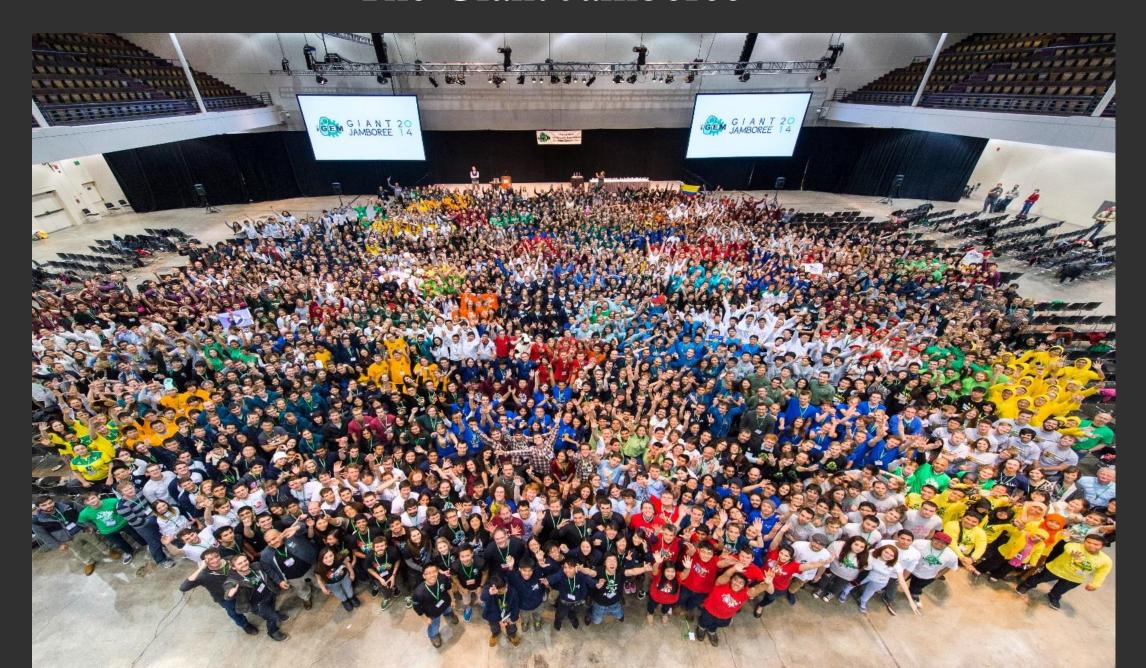




The International Genetically Engineered Machine



The Giant Jamboree

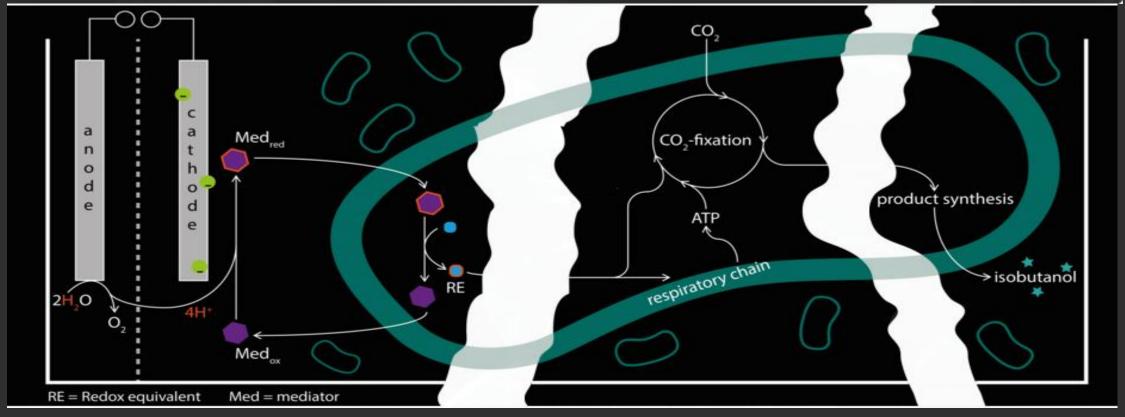


Bielefeld- iGEM 2014



THE TRANSFORMERS FROM CARBON DIDXIDE TO BIOFUEL





BGU Israel- iGEM 2015



- Engineering a genetic device based on a simple concept of AND logic gate
- Using CRISPR/Cas9-based system dependent on the existence of two cancer-specific promoters that control the expression of Cas9 and gRNA

Valencia Spain- iGEM 2013

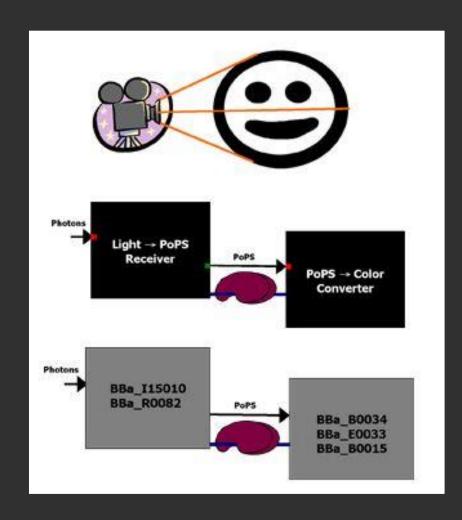




UT Austin- iGEM 2004

Bacterial Camera



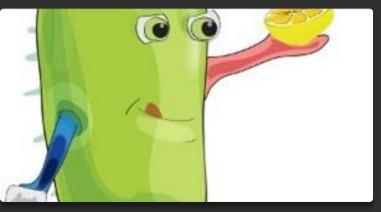




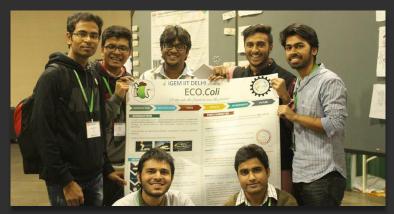
Escherichia Ellington, an example of bacterial portraiture. The left panel shows the projected image of Dr. Andrew Ellington and the right panel shows the resulting image recorded on the lawn of bacteria.

iGEM IIT Delhi











iGEM 2013









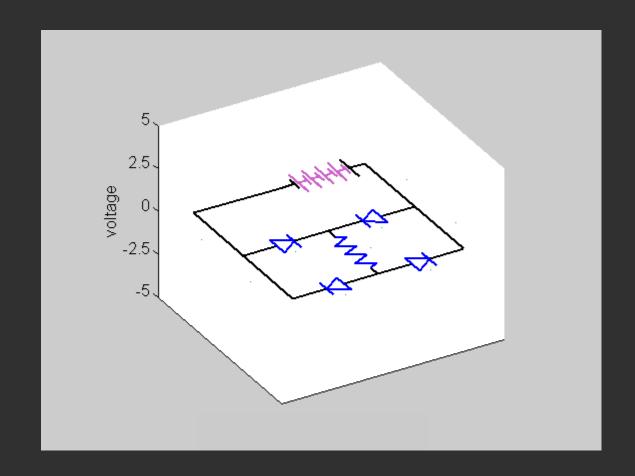


iGEM 2015

iGEM 2016



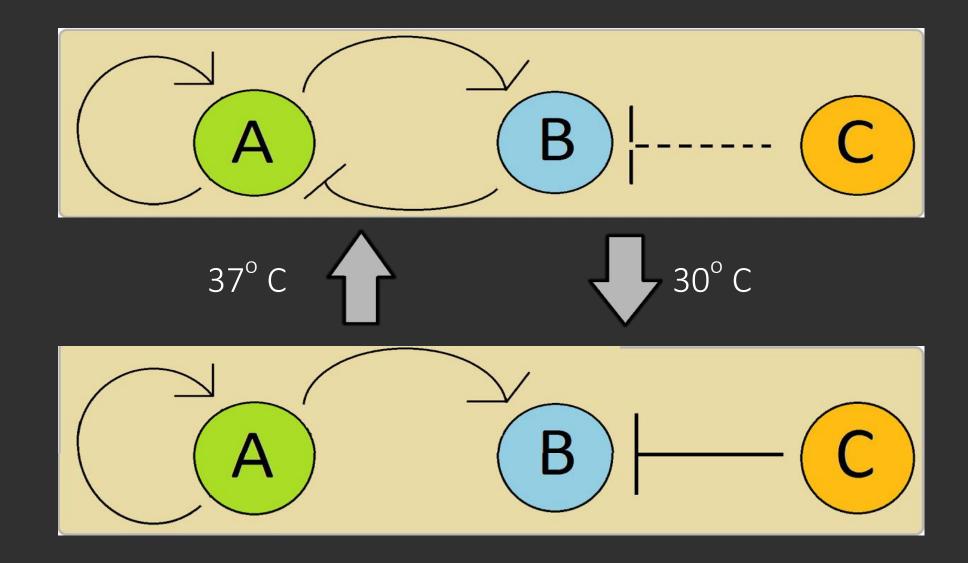
Our Idea



One chip to control them all...



iDanino – How does it Work?



Why IISER Mohali should form iGEM Team?



- Synthetic Biology is the next revolution
- Front Runner of syn bio in india
- Immense Creativity and freedom to work on your own ideas.

nature biotechnology



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India's budget windfall for biotech entrepreneurs

Killugudi Jayaraman

Nature Biotechnology **34**, 367 (2016) | doi:10.1038/nbt0416-367 Published online 07 April 2016

In the 2016–17 budget announced February 29, the Department of Biotechnology (DBT) took the lion's share of the spoils with a 12% increase over the last year, whereas most science agencies received just enough to cover costs from rising inflation (currently at 5%). The overall Rs.1...

allocation. The Department of Biotechnology (DBT), meanwhile, received 18.2 billion rupees, a 12% rise on the previous year — an indication of how the National Biotechnology Development Strategy, which the department unveiled last December, is likely to evolve.

Brainstorming Sessions







Team Meetings

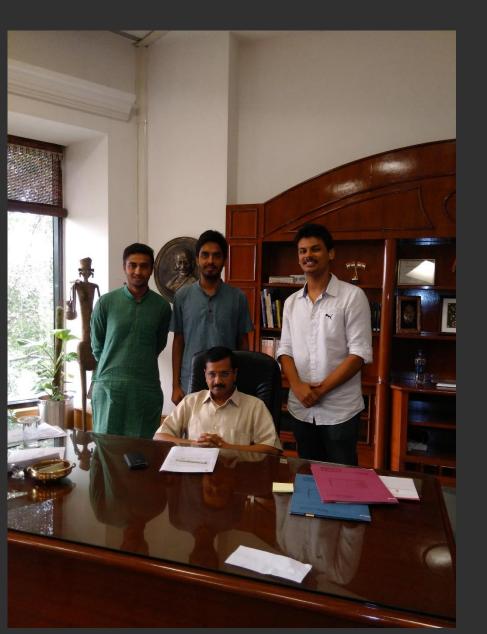






Events







Whole iGEM Community is waiting



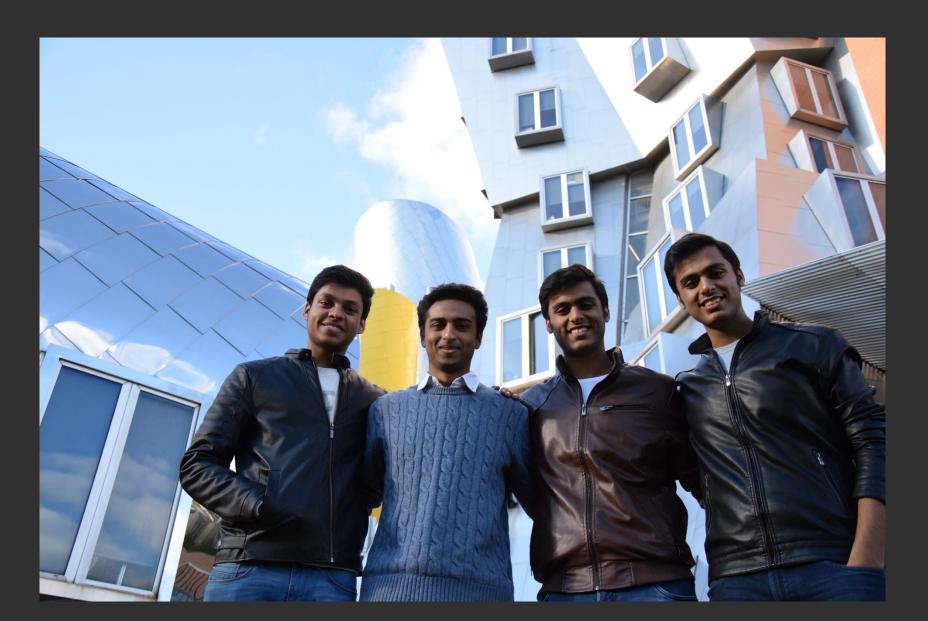
- IIT's and IISc Banglore in india
- Collaborations with international universities





Visit to MIT and Harvard







Starting the team



iGEM Team Requirements



Creative and Web Development



Lab and Research



Marketing



Mathematical Modelling



Prototype



Public Relationship

INDIAN BIOLOGICAL ENGINEERING COMPETITION







Thank you