

Synthetic Biology at S&T



MISSOURI
S&T

Dave Westenberg
Biological Sciences

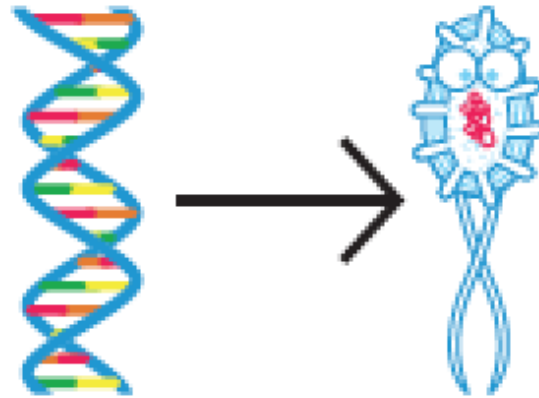
Outline

- > Synthetic Biology
- > iGEM
- > Cool iGEM projects
- > Activity

Synthetic Biology

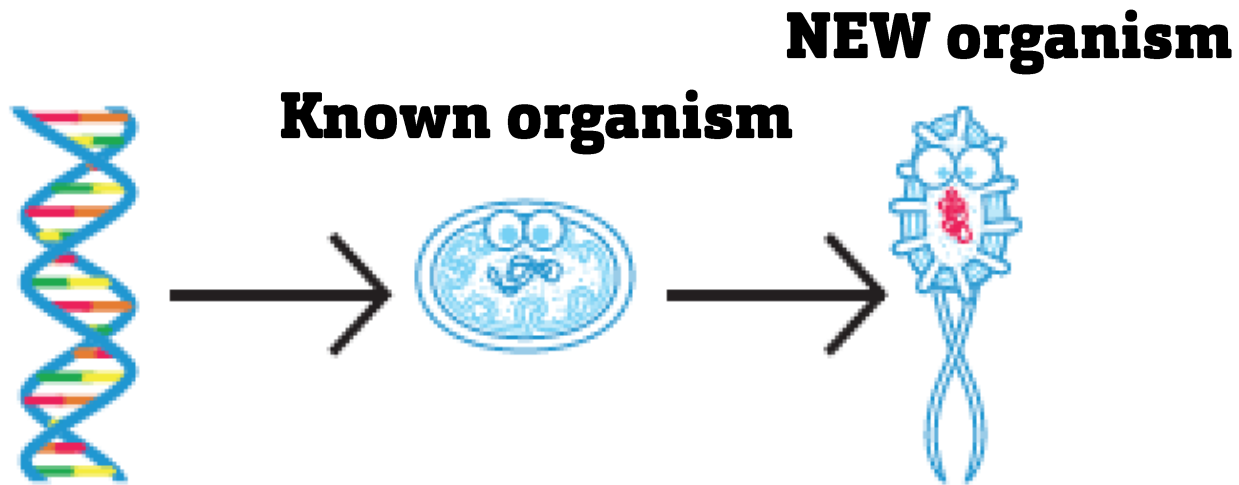
Synthetic biologists build living organisms using DNA.

NEW organism



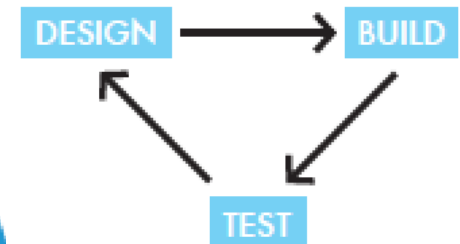
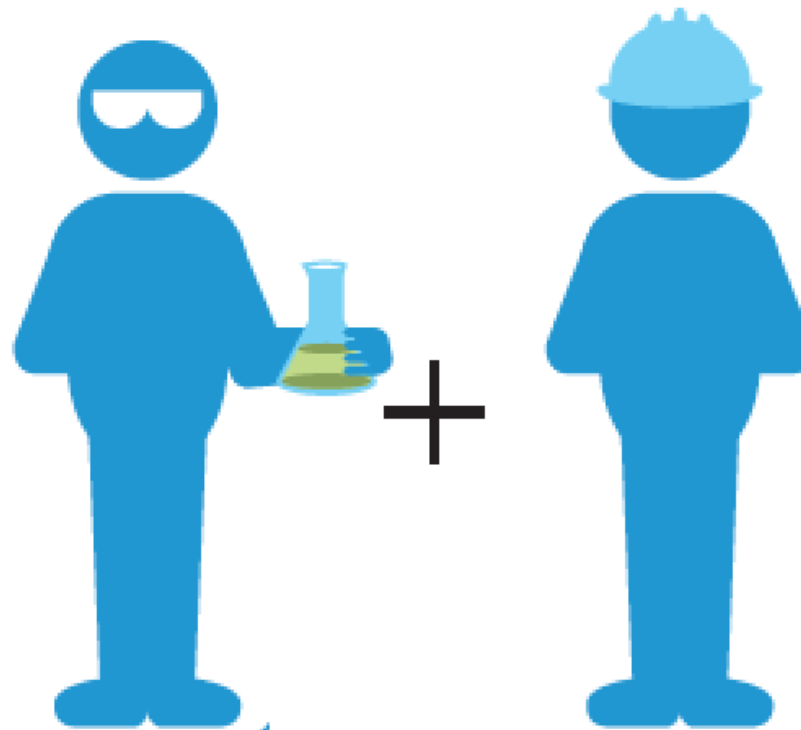
Synthetic Biology

*Synthetic biologists ~~build~~ **modify** living organisms using DNA.*

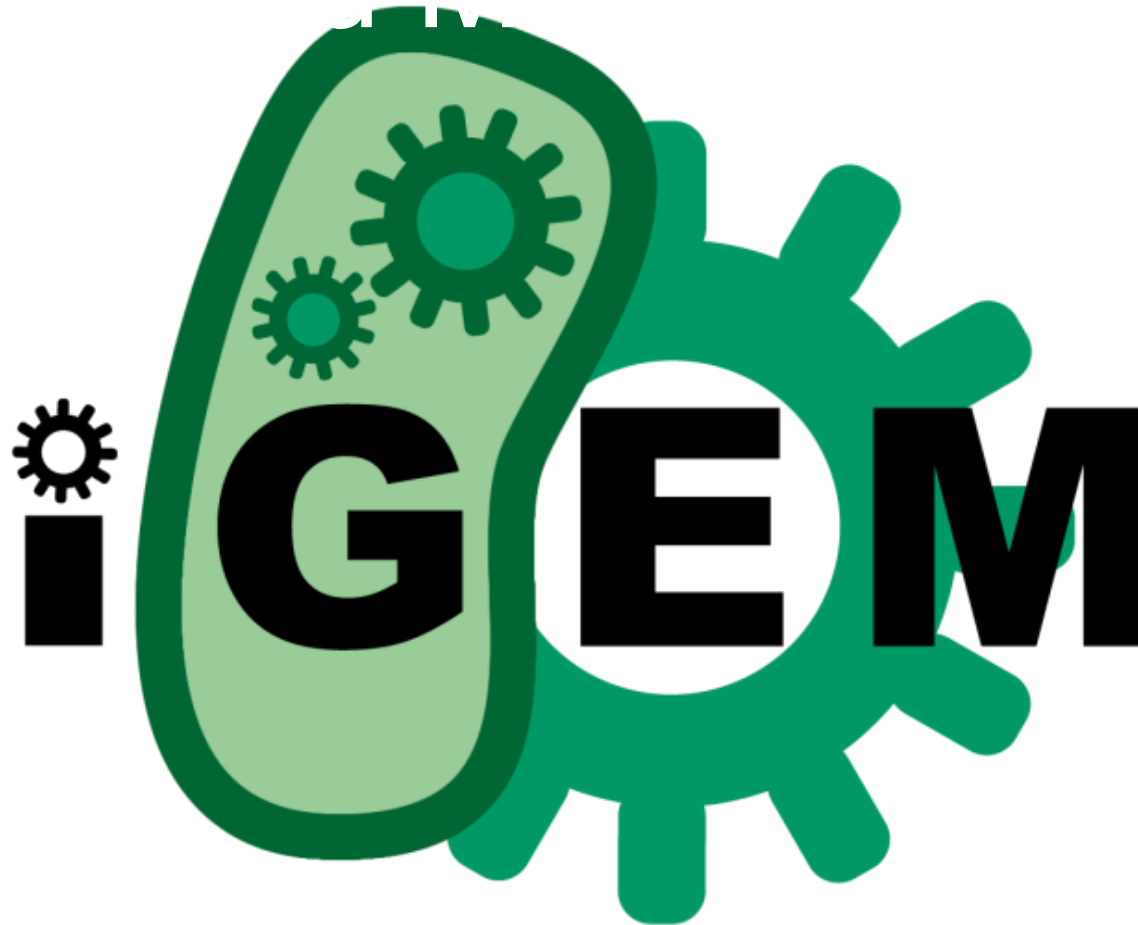


Synthetic Biology

Synthetic biologists combine a biochemist's know-how with an engineer's perspective



International Genetically



2004 Summer

bio-'film'



UT Austin



Established 2007



iGEM

Design.Network.Achieve

MISSOURI
S&T

2015 iGEM Jamboree



2015 Awards and



“i”GEM 2015

Africa - 2 teams

Asia - 99 teams

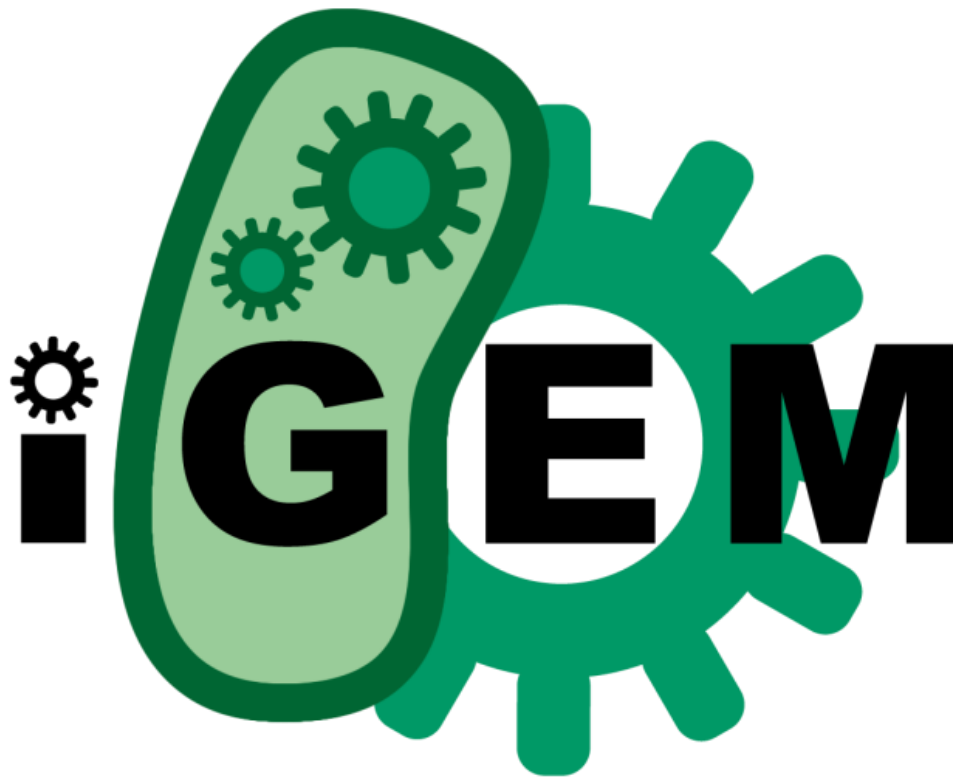
Australia – 2 teams

Europe - 69 teams

North America - 77 teams

South America - 19 teams

Cool iGEM projects



University of



WASHINGTON
IGEM 2011

and Gluten Destruction
the Synthetic Biology Way

Groningen 2007



Heavy metal
scavengers
with a vertical
gas drive

Missouri S&T 2015



Activity time

How would you invest in synthetic biology?

Questions?

