

# Intro to Synthetic Biology!

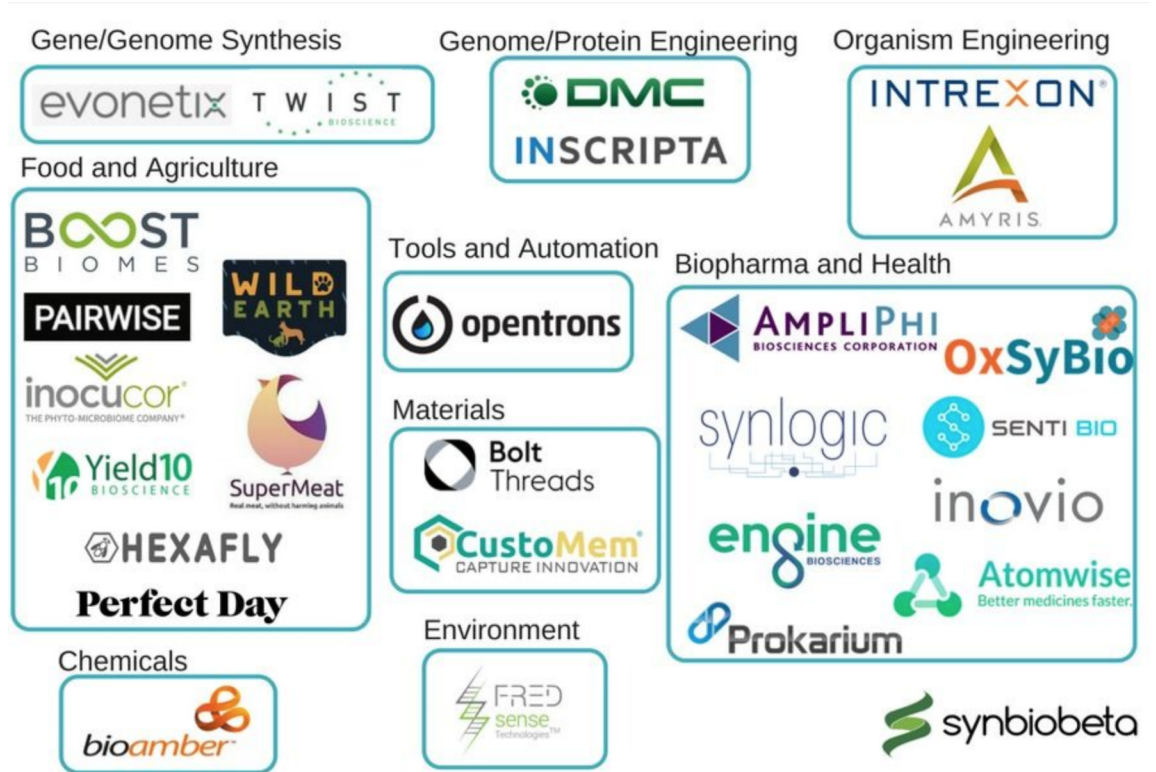
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Week 1 – Introduction and Design Principles

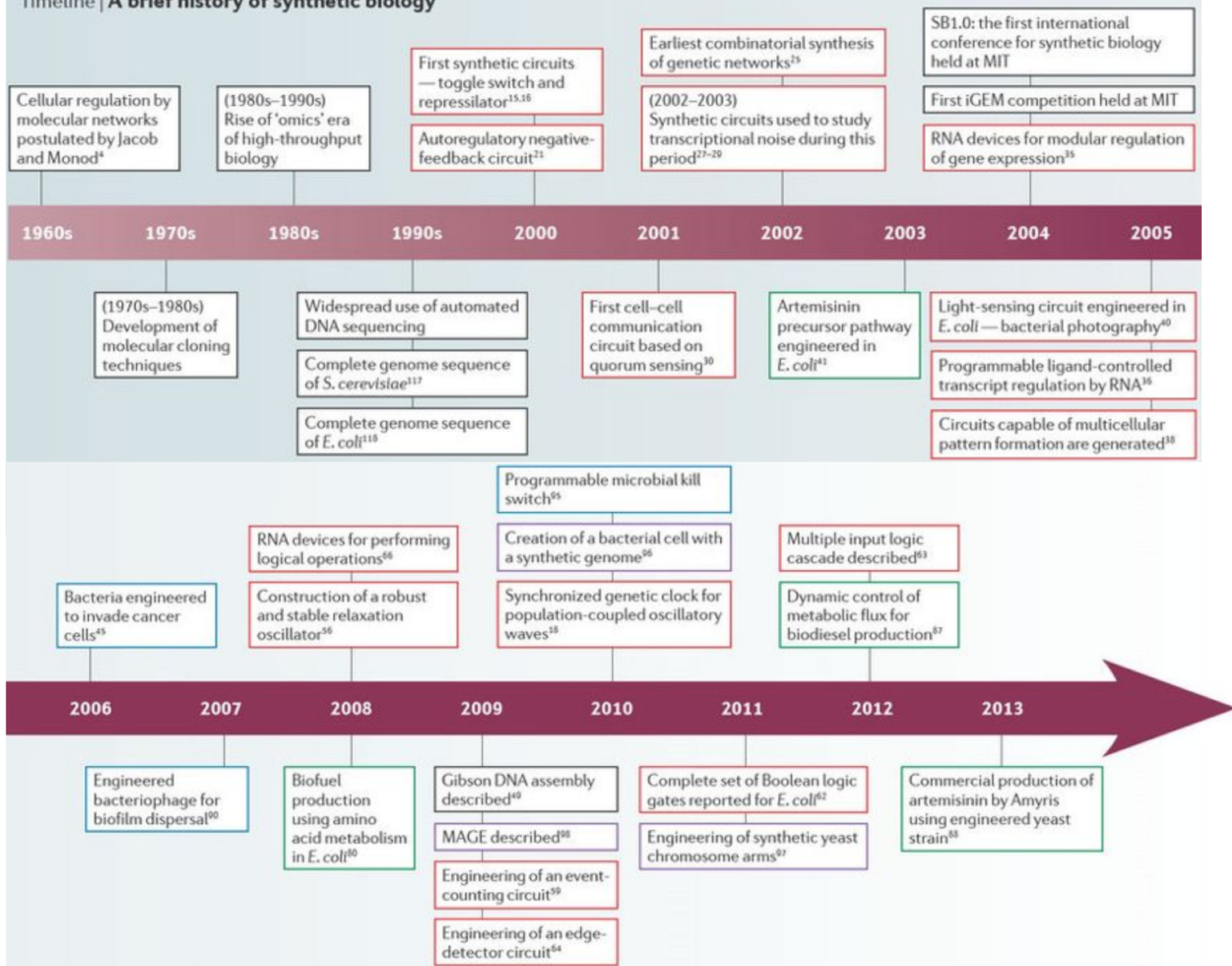
7/11/2020

# What is synthetic biology?

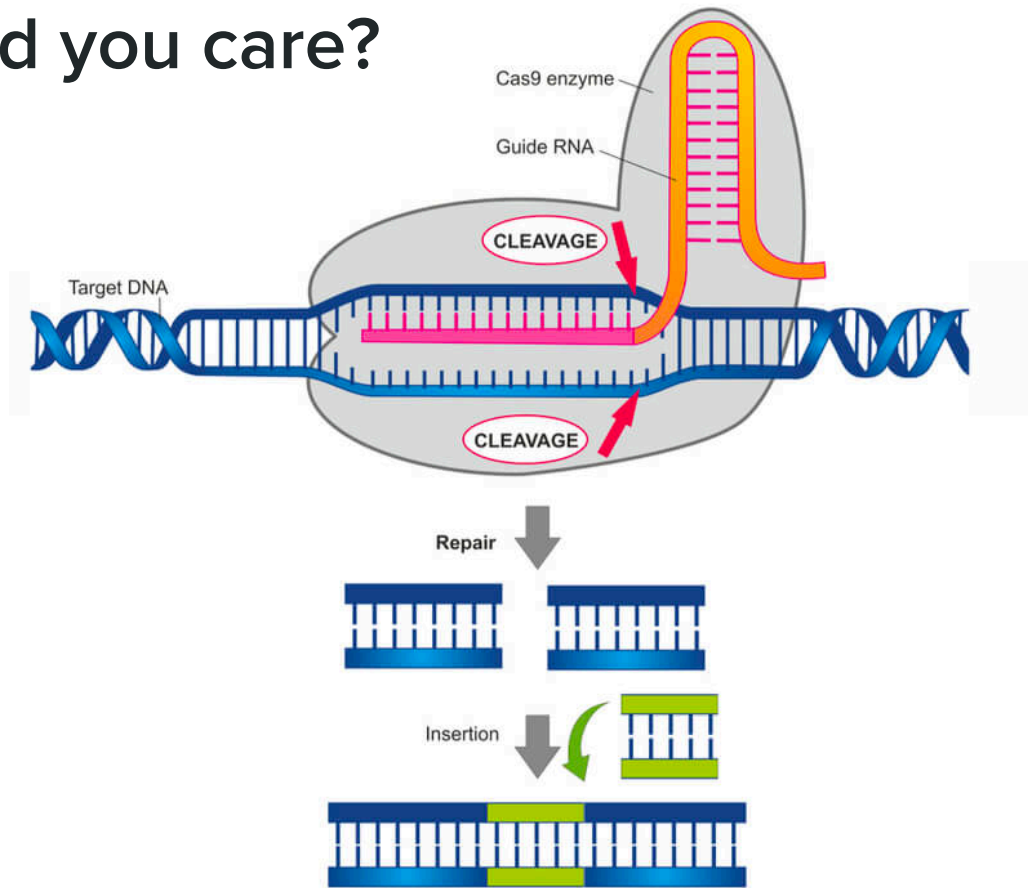
- How - Aims to make implementation of new biological functions more reliable, efficient, safe, and transparent
- Why - Has the potential to solve problems in health, environment, energy, and security



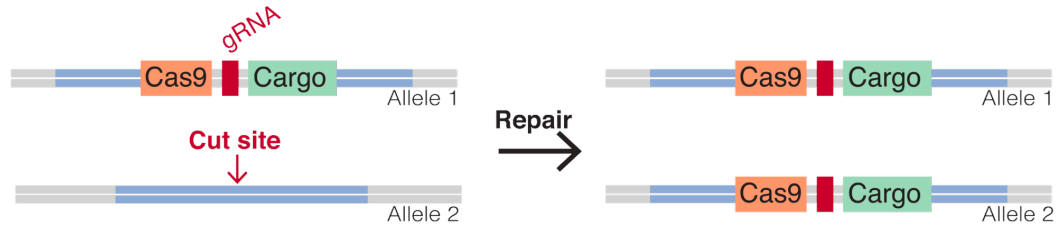
## Timeline | A brief history of synthetic biology



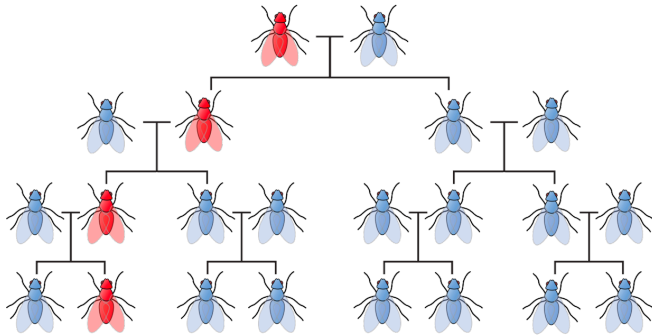
# Why should you care?



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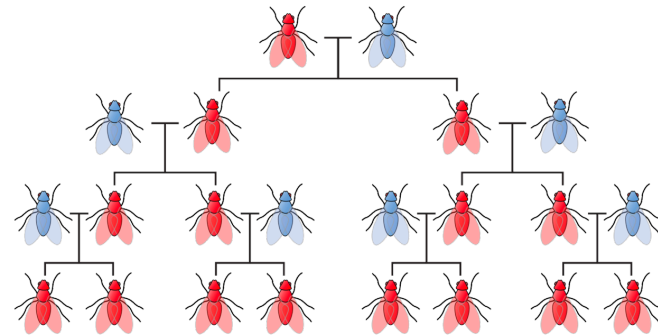


Normal inheritance



Altered gene does not spread

Gene drive inheritance



Altered gene is always inherited

# Why should you care?



<https://www.washington.edu/news/2018/12/19/new-houseplant-can-clean-air>

# How it all works

