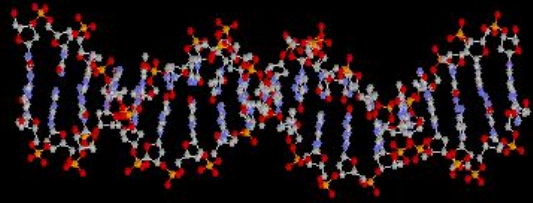


@mtripnaux (CC-BY)

**Biotech is**  
**the *future.***

constructive propaganda



## Desoxyribo-Nucleic Acid

ATGCCGTACGTACTGACGTGTCGATCGTAG

blueprint instructions



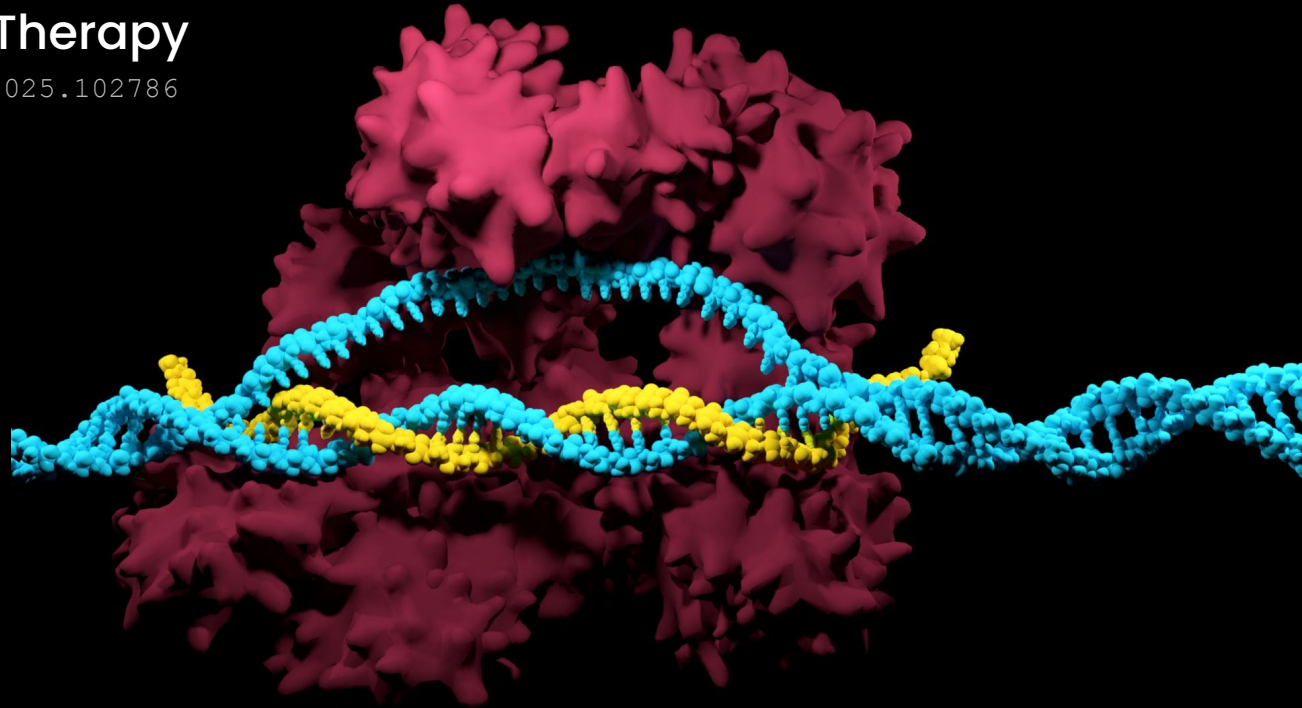
## 3-Dimensional Protein

MEEPQSDPSVEPPLSQETFSDLWKLLPE

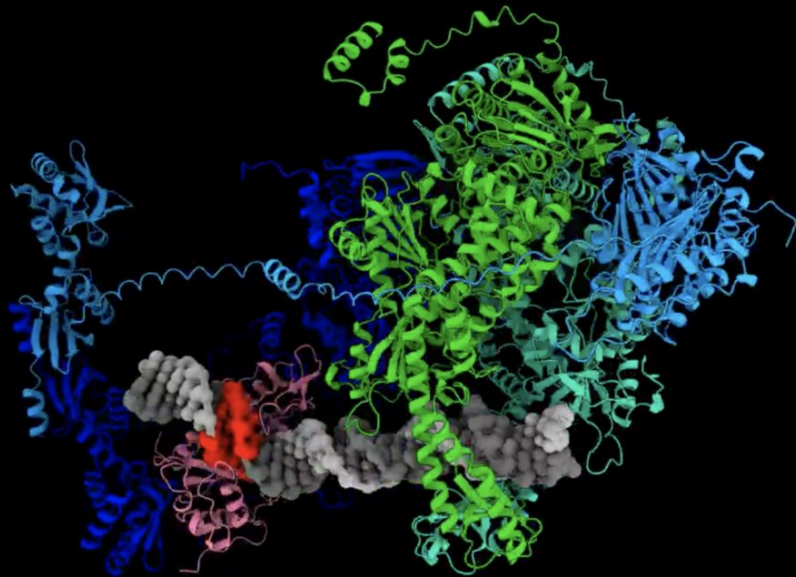
workers and structure

# CRISPR-Cas9 Therapy

10.1016/j.omtn.2025.102786



8.5Md USD market (2026)  
used for SCD treatment

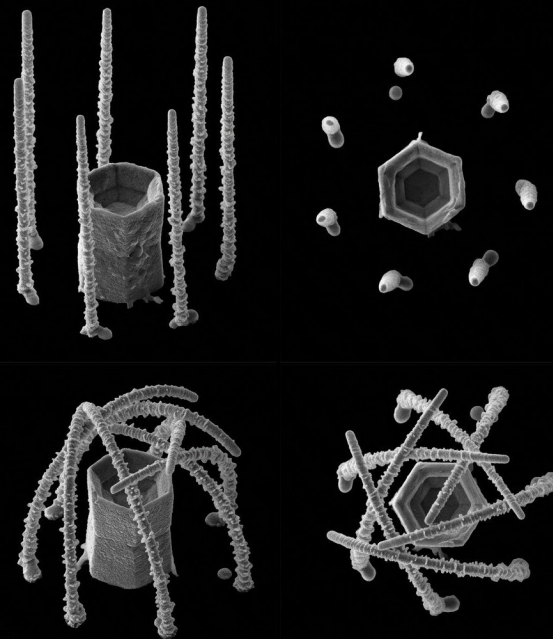


**AlphaFold Version 3**

10.1038/s41586-024-07487-w

## RFdiffusion Nanocages

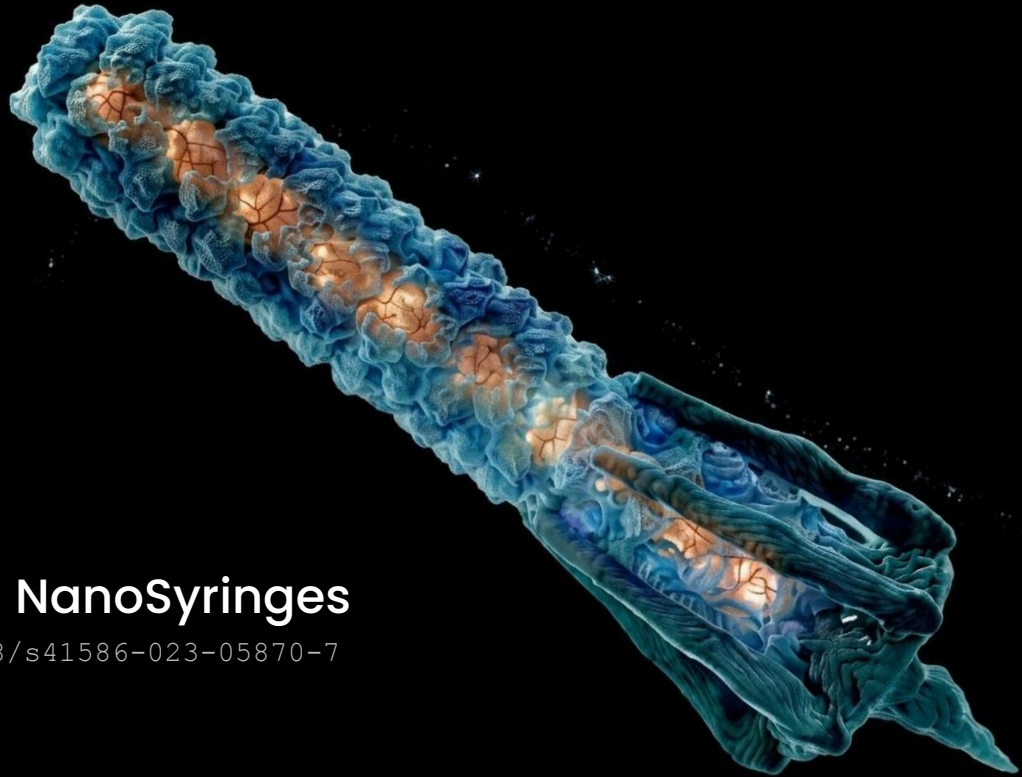
10.64898/2026.03.04.709581



destroy human tumors  
100% specificity  
can deliver CRISPR

## Bacterial NanoSyringes

10.1038/s41586-023-05870-7





## Worm Full Simulation

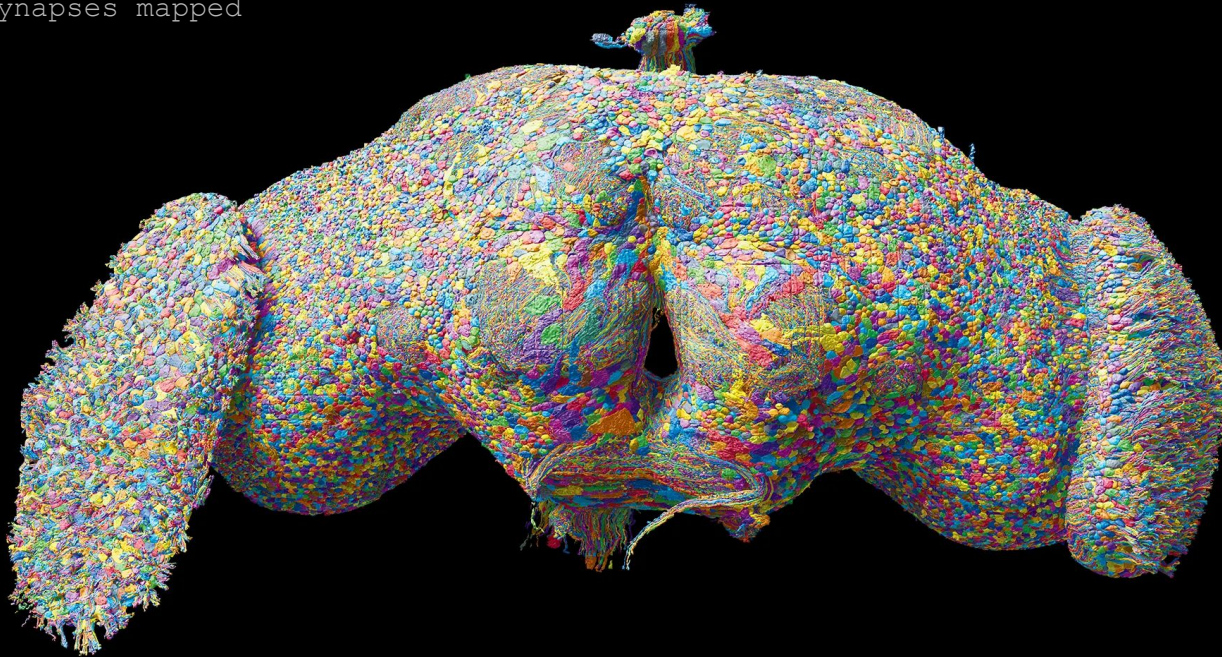
<https://openworm.org/>

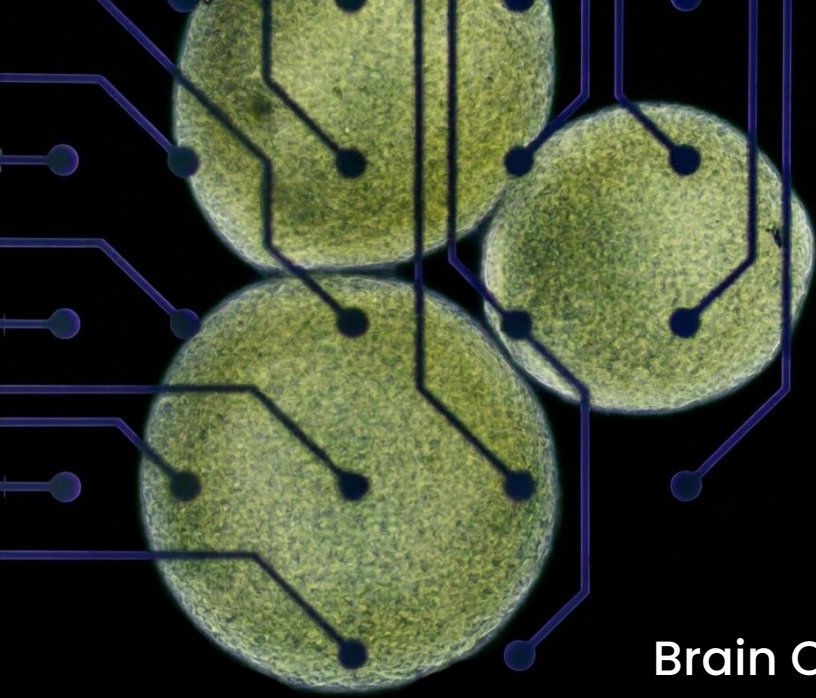
# Drosophila Connectome

<https://flywire.ai>

139255 neurons

>50M synapses mapped





## Brain Organoids

10.1016/j.neuron.2022.09.001

can learn pong <5mins  
more plasticity than AI

## Running Butterfly

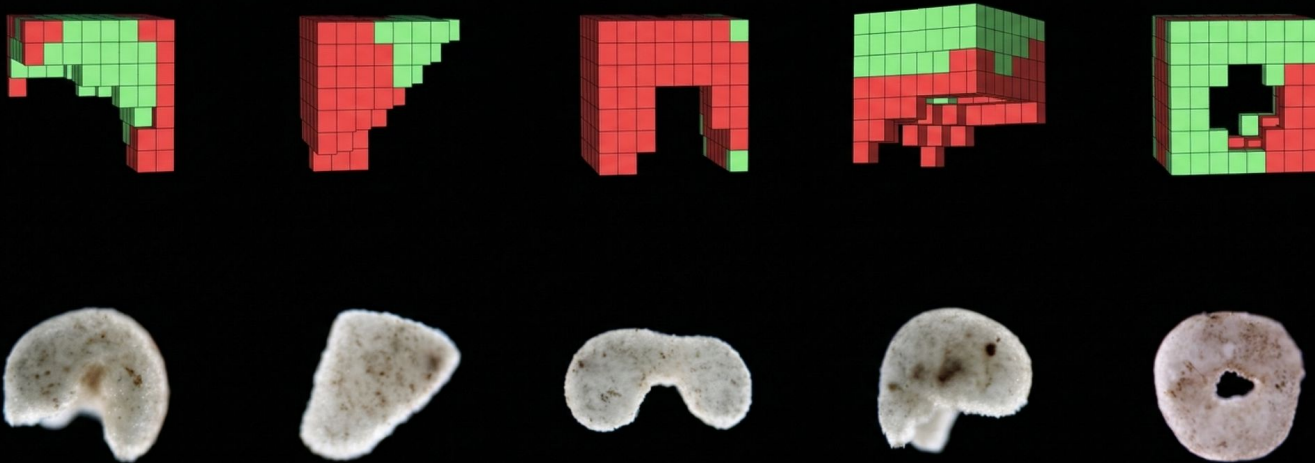
<https://finalspark.com/>



genetic algorithm search  
kinematic auto-movement

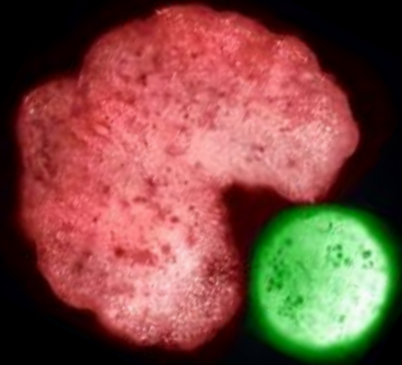
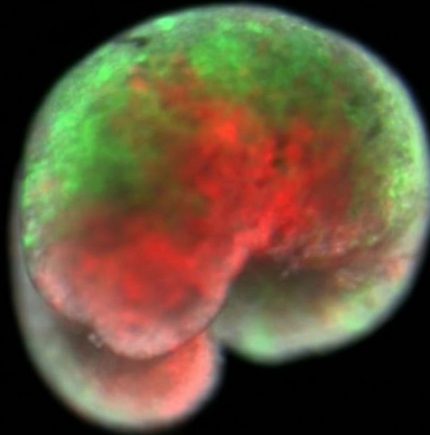
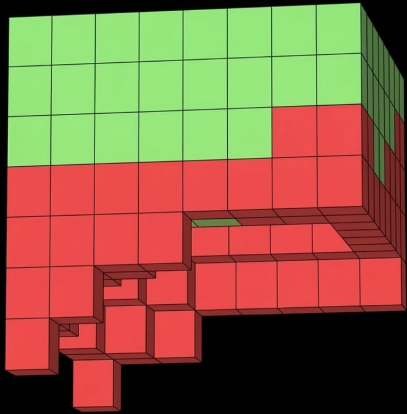
# Xenobots Selection

10.1073/pnas.1910837117



# Programmable Xenobots

10.1073/pnas.1910837117

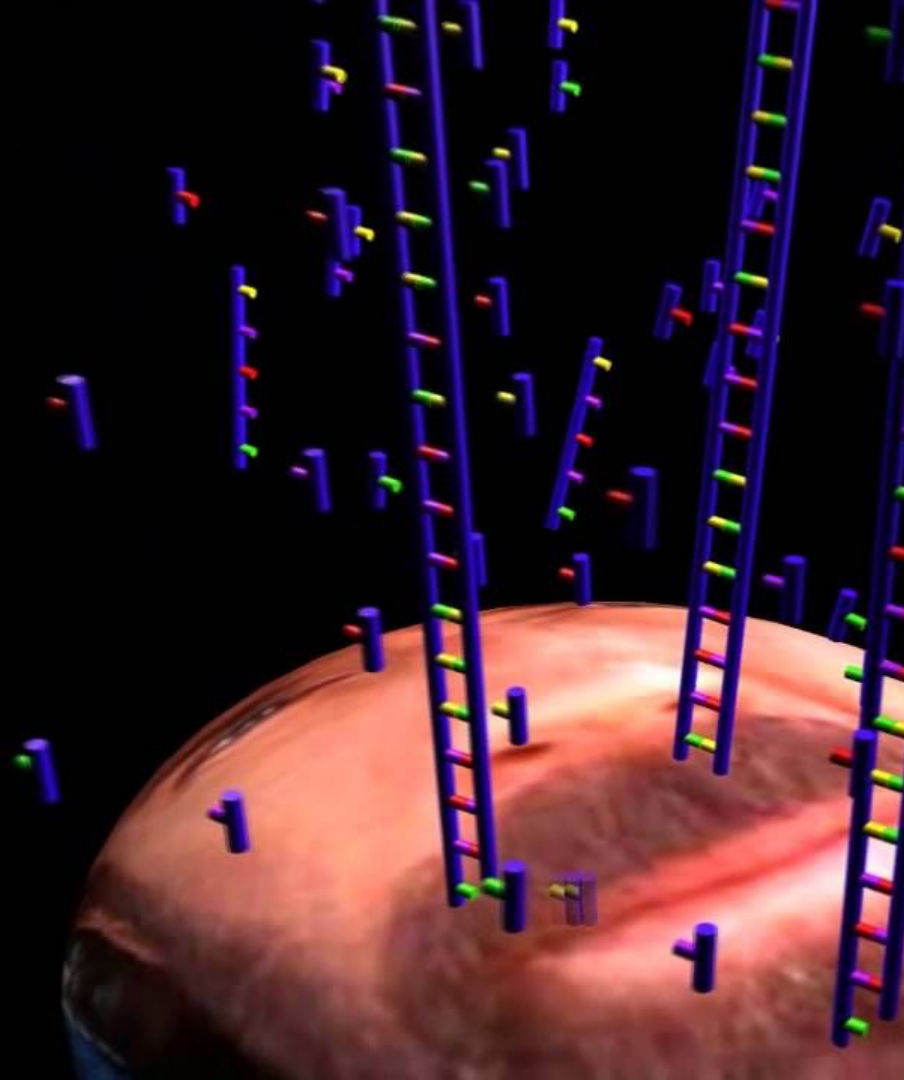
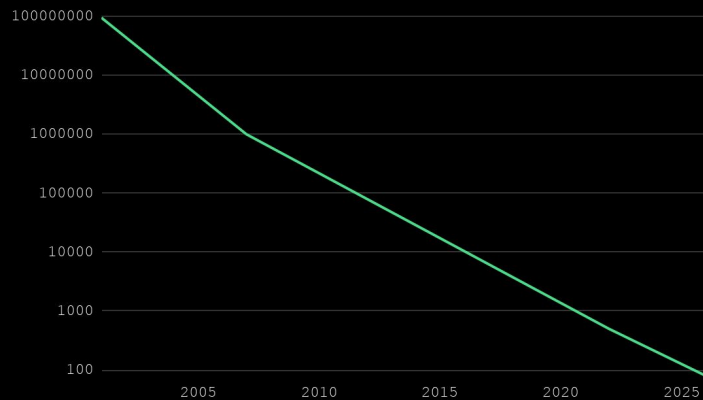


kinematic self-replication  
can repair human neurons

# Next Gen Sequencing

10.1038/nature07517

genome sequencing cost  
(\$USD)



**TAGCTATCGTAGTGAT**

TAGCTAT      AGTGAT

**TAGCTATCGTAGTGAT**

TAGACTATCGTAGTGAT

**TAGCTATCGTAGTGAT**

TAGCTATCGTAGGTAT

## Sequence Alignment

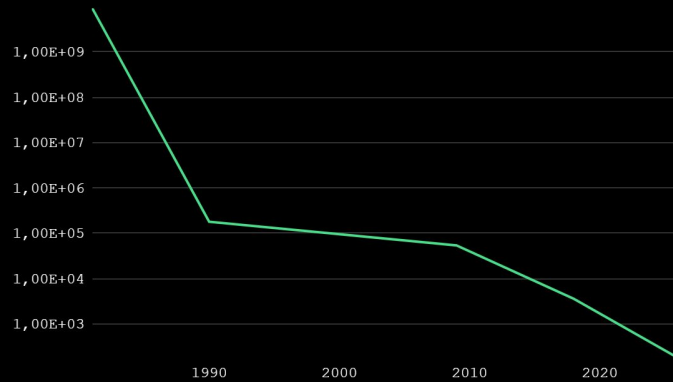
10.1016/0022-2836(70)90057-4

find twin sequences

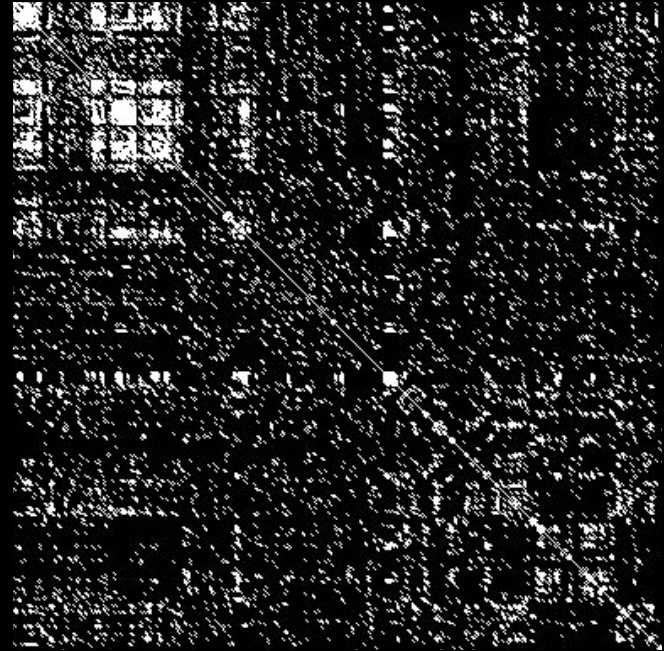
billion DNA entries

# Instant DNA Alignment

10.1016/0022-2836(70)90057-4



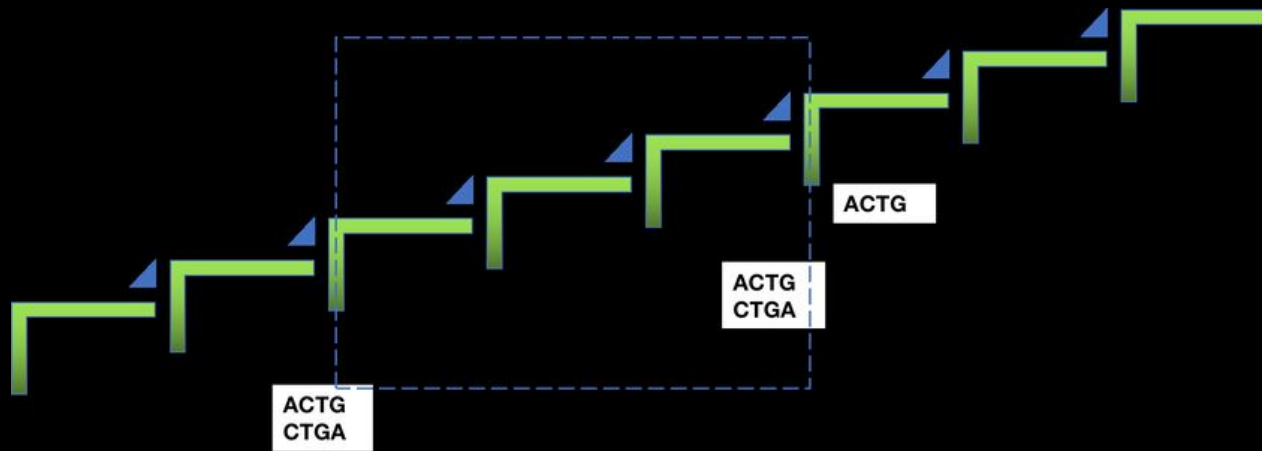
genome alignment time (seconds)



215000 To/g (x484000)  
1000 years, no cooling  
283M USD market (2026)

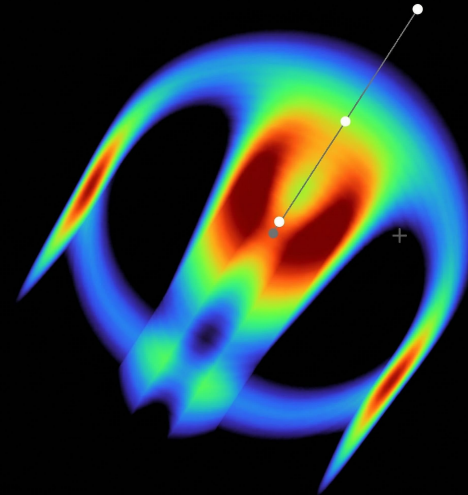
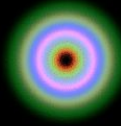
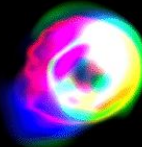
# DNA Data Storage

10.1126/science.1226355



# Continuous Automata

10.48550/arXiv.1812.05433



emerging self-reproduction  
solves obstacles, mazes  
coded as matrix products

## **Bee-Free Honey**

iGEM Technion 2019

## **Lake P-Pumps**

iGEM Uppsala 2018

## **Real Vegan Cheese**

<https://realvegancheese.org>

## **Spider-Free Silk**

iGEM Uppsala 2014

## **Mycelium Bricks**

iGEM Design League

## **Moon Biostimulant**

iGEM Toulouse 2024

## **Open Insuline Project**

<https://openinsulin.org>

## **Magnetic Gene Control**

iGEM Cambridge 2024

## Foldit Protein Game

<https://fold.it/>

## DNA Fountain Healing

10.1126/science.aaj2038

## Cell Code Compiler

<https://cidarlab.org/cello>

## Eyewire Neuron Game

<https://eyewire.org/>

## Phylogenetic Inference

<https://nextstrain.org/>

## DNA Steganography

10.1038/21092

## Universal DNA Registry

<https://bricks.bio>

## ViennaRNA Package

[github.com/ViennaRNA](https://github.com/ViennaRNA)



## English Playlist

<https://youtube.com/playlist?list=PLwiRVNw-iD2wYNyCPUcZ3sR3YtI91hdsW&si=ONzNQjCYxZidJTLO>



## French Playlist

[https://youtube.com/playlist?list=PLwiRVNw-iD2xOaWHnrwUZ7nY\\_-6D7fE-z&si=t2KsuOeGvXMzR4sv](https://youtube.com/playlist?list=PLwiRVNw-iD2xOaWHnrwUZ7nY_-6D7fE-z&si=t2KsuOeGvXMzR4sv)