arbor

From the diversity of life,
for the diversity of life.

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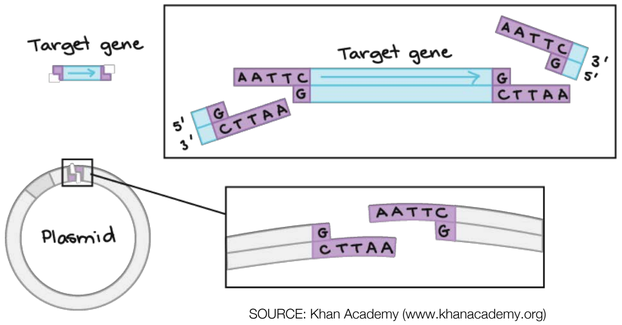
Microbial proteins are natural biotechnologies

Consumer products (lipase, protease, amylase)

Biofuels

<u>But systematic discovery is challenging, especially for complex protein systems</u>

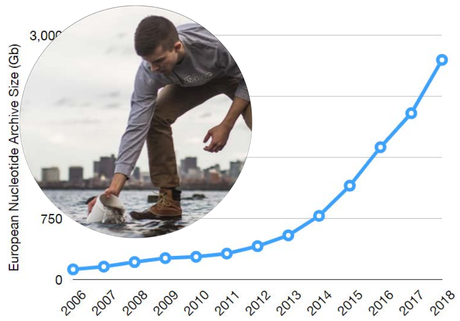


Scientific reagents (restriction enzymes, polymerases)

Therapeutics (pegvaliase-pqpz)

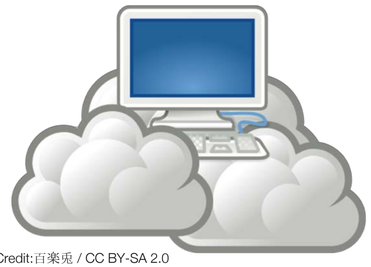
Arbor is discovering optimized solutions from nature by integrating four powerful recent innovations

Massive sequence databases



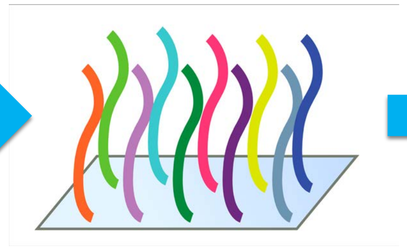
SOURCE: Arbor internal; European Nucleotide Archive (ENA) Release Notes

Computing

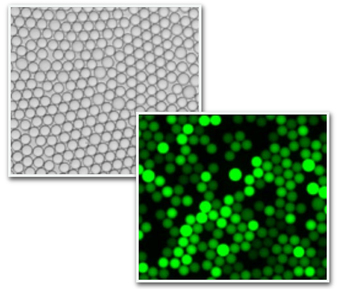


Credit:百楽兎 / CC BY-SA 2.0

DNA synthesis & sequencing



Experimentation at scale

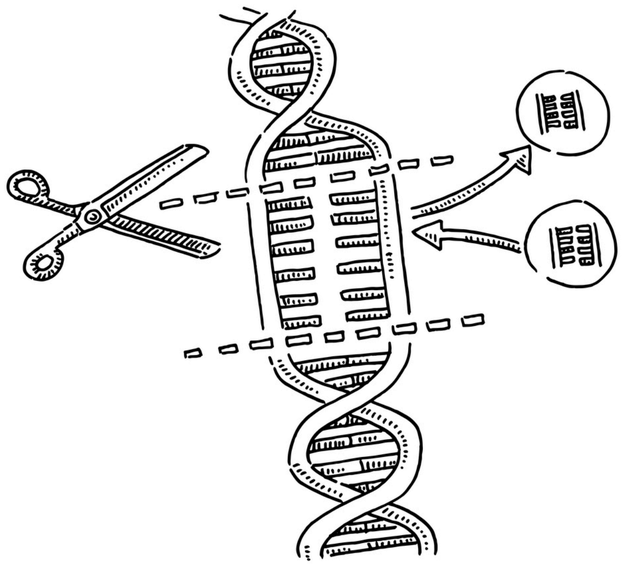


Proteins with novel function and applications

Arbor Discovery and Development Platform

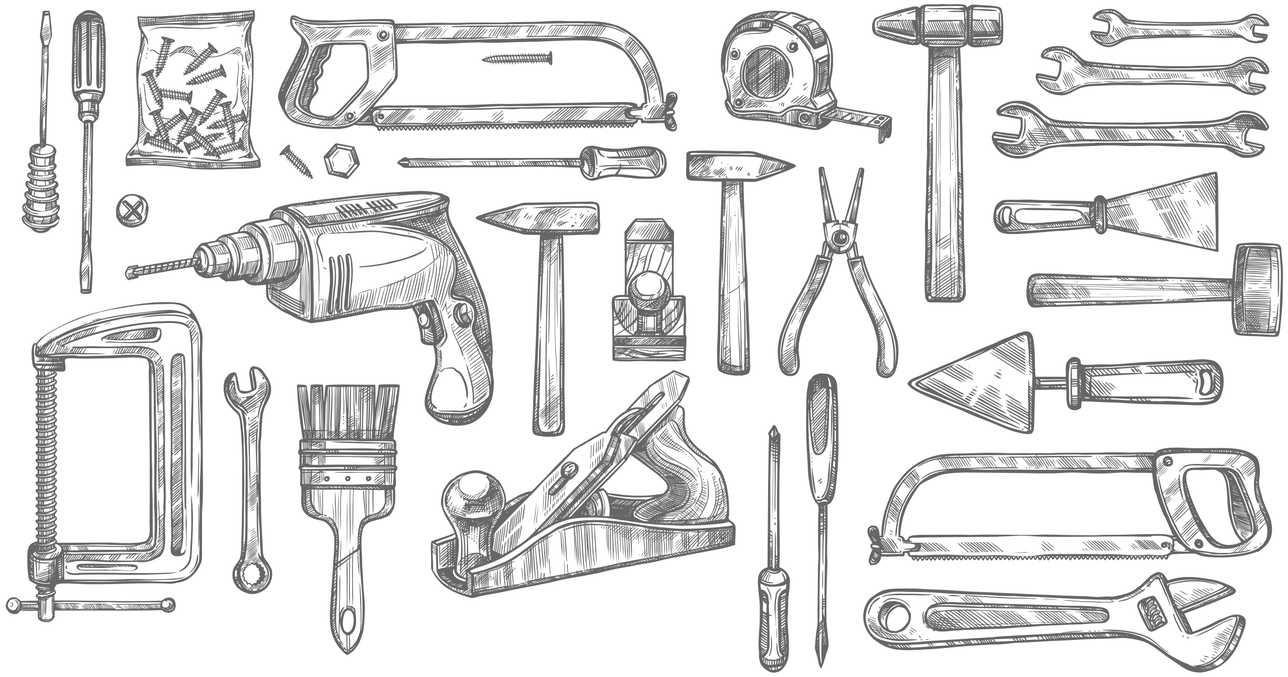
First use case of Arbor's platform: Genome editing

CRISPR-Cas9



January 3, 2019

Vertex and Arbor Biotechnologies Establish Collaboration to Discover Novel Proteins to Advance Discovery of Gene-Editing Therapies



Many potential partners…

Interested in using CRISPR?

Interested in non-CRISPR protein biotechnologies?

From the diversity of life,
for the diversity of life.

Many potential industries…

Human Health

Therapeutics

Diagnostics

Sustainability

Clean energy

Agriculture

Consumer products

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