

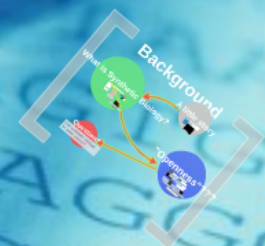
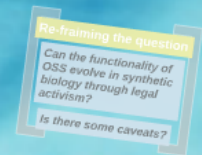
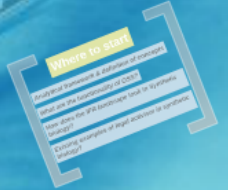
Open Source Synthetic Biology

Possible & Desirable?

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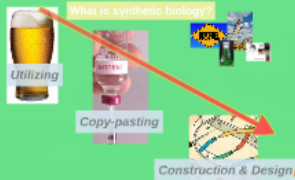
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Background

A little story



What is Synthetic Biology?



"Openness"???

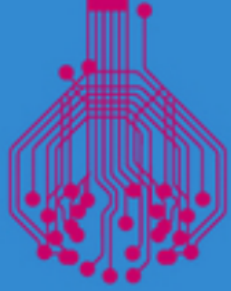


Question?

Can synthetic biology be open source?

*In a dark cellar somewhere in
Copenhagen.....*

BIOHACKERS
The Politics of Open Science



ALESSANDRO DELFANTI

novozymes®

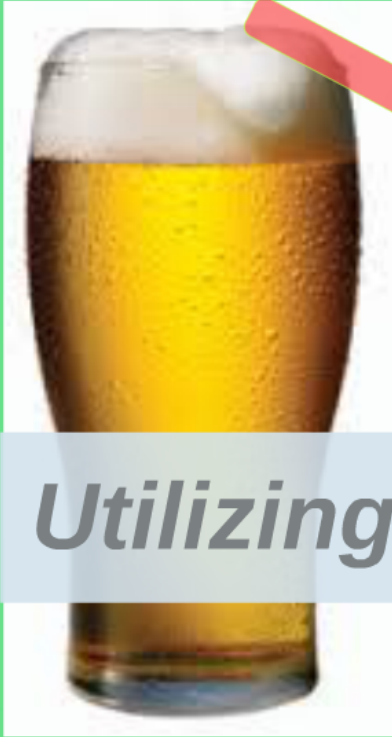


Rethink Tomorrow



Emil & Frank

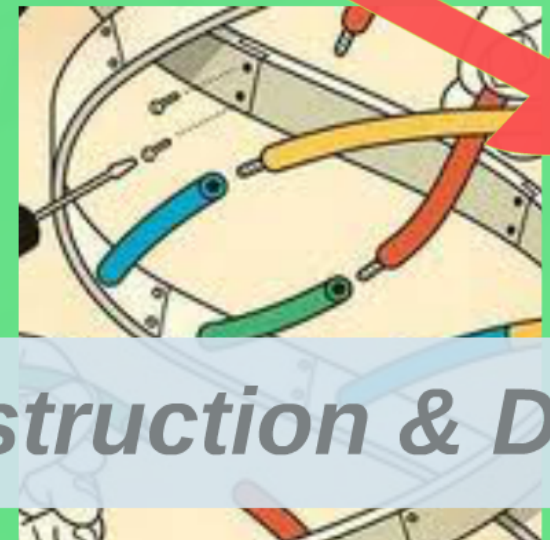
What is synthetic biology?



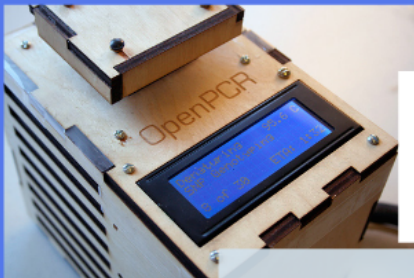
Utilizing



Copy-pasting



Construction & Design



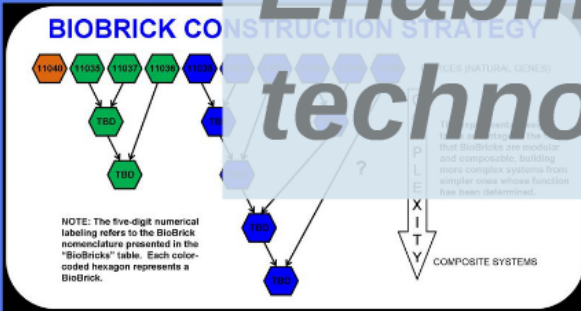
Your personal PCR machine

OpenPCR is a low-cost, yet accurate

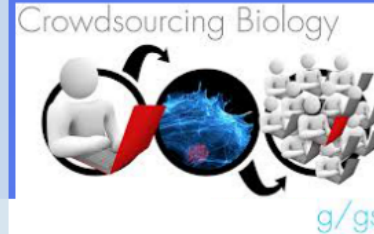
"Openness?"



Enabling technologies



Networks & Bottom Up



Open Network Biology

"Ethos of openness"



Open Innovation



Help your neighbour and be free

"In the current environment, (...) to innovate effectively, you increasingly must innovate

Knowledge society



Question?

*Can synthetic biology
be open source?*

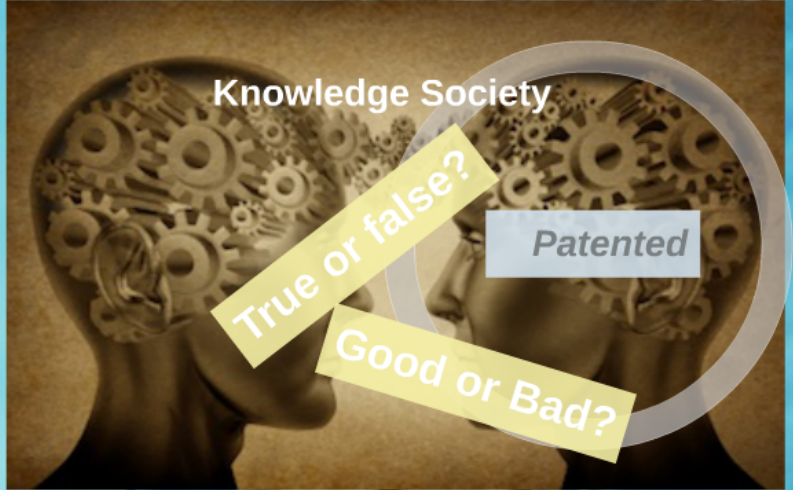
Knowledge Society



True or false?

Patented

Good or Bad?



Creating the legal perspective

Interdisciplinarity

- *Economic,*
- *Norms & Legitimacy*
- *Intra-systemic context of law in knowledge society.*

Critical Legal activism

"Hacking" the Law

Institutions

ex. Patentpools, SSO's

Inherent Mechanisms

ex. disclosure

Tools

ex. licenses

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ex. licenses



Re-framing the question

Can the functionality of OSS evolve in synthetic biology through legal activism?

Is there some caveats?

Where to start

Analytical framework & definition of concepts

What are the functionality of OSS?

How does the IPR landscape look in Synthetic biology?

Existing examples of legal activism in synthetic biology?

Synthetic biology



And the caveats....

Push the button?

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