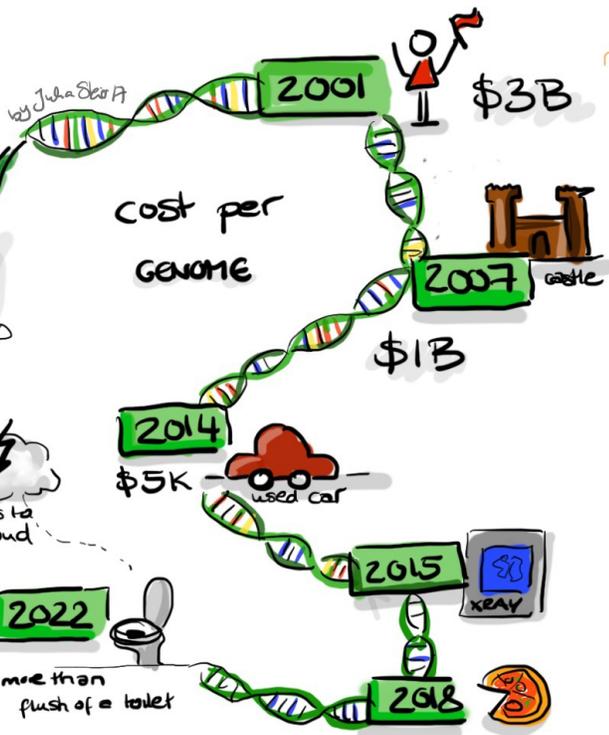


DIGITAL Biology

by Raimund McCauley

cost per genome
6x year cheaper



data goes to the cloud

BASICALLY FREE

more than flush of a toilet

Simple blood test for **CANCER**

means
end of mammograms & colonoscopies

STAGE 0
CANCER
detect

Microbiomes & Metagenomics

change
2x contained human DNA!

10% of vegetarian sausage contains meat

HOT DOG REPORT
14% of tested were problematic

DNA Barcode
detect

2017: first 1 million human genomes
40M in China
12.7M US

richest people will have healthy kids

Stem Cells Programming Medicine
Human Engineering

CRISPR/Cas9

industrial biology
microorganism = factory
make sth **NEW**
DNA blueprint

ETHICS & POLICIES
LAW

REPAIR
KNOCK IN
EDIT
KNOCK OUT

Gen Farming
meat without an animal

Hackerspace

more people need to know

START A PEACEFUL REVOLUTION