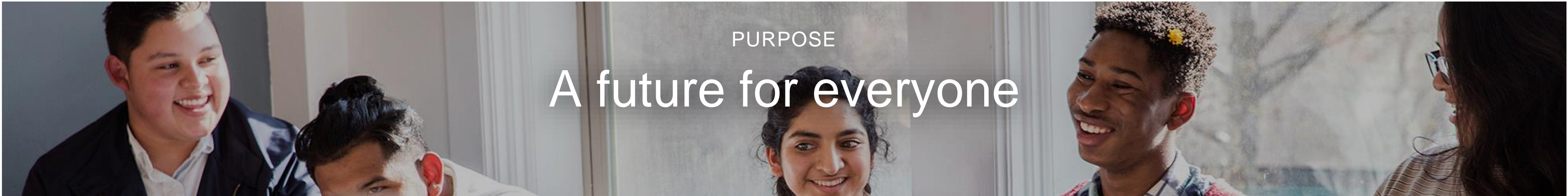




SCIENCE

CHAN ZUCKERBERG INITIATIVE

CHAN ZUCKERBERG INITIATIVE



PURPOSE

A future for everyone



APPROACH

Change at scale



Education



PROGRAMS

Science



Justice and Opportunity

CHAN ZUCKERBERG SCIENCE

Supporting science and technology
that will make it possible to
cure, prevent, or manage all
diseases by the end of the century

83 years

Accelerating biomedical science by
developing new tools and
technologies and supporting open,
collaborative models of research

10 years

ACCELERATING BIOMEDICAL RESEARCH



Collaboration by
experimental scientists,
physicians, theorists,
and engineers



Enabling tools and
technologies



Building support
for science

People – Technology – Collaboration – Open Science

TWO KINDS OF APPROACHES

GRANT-MAKING
FOUNDATION

RESEARCH
ORGANIZATION

OUR APPROACH

WE FUND

Grants and
Partners

External
institutions
worldwide

GRANT-MAKING
FOUNDATION

RESEARCH
ORGANIZATION

WE BUILD

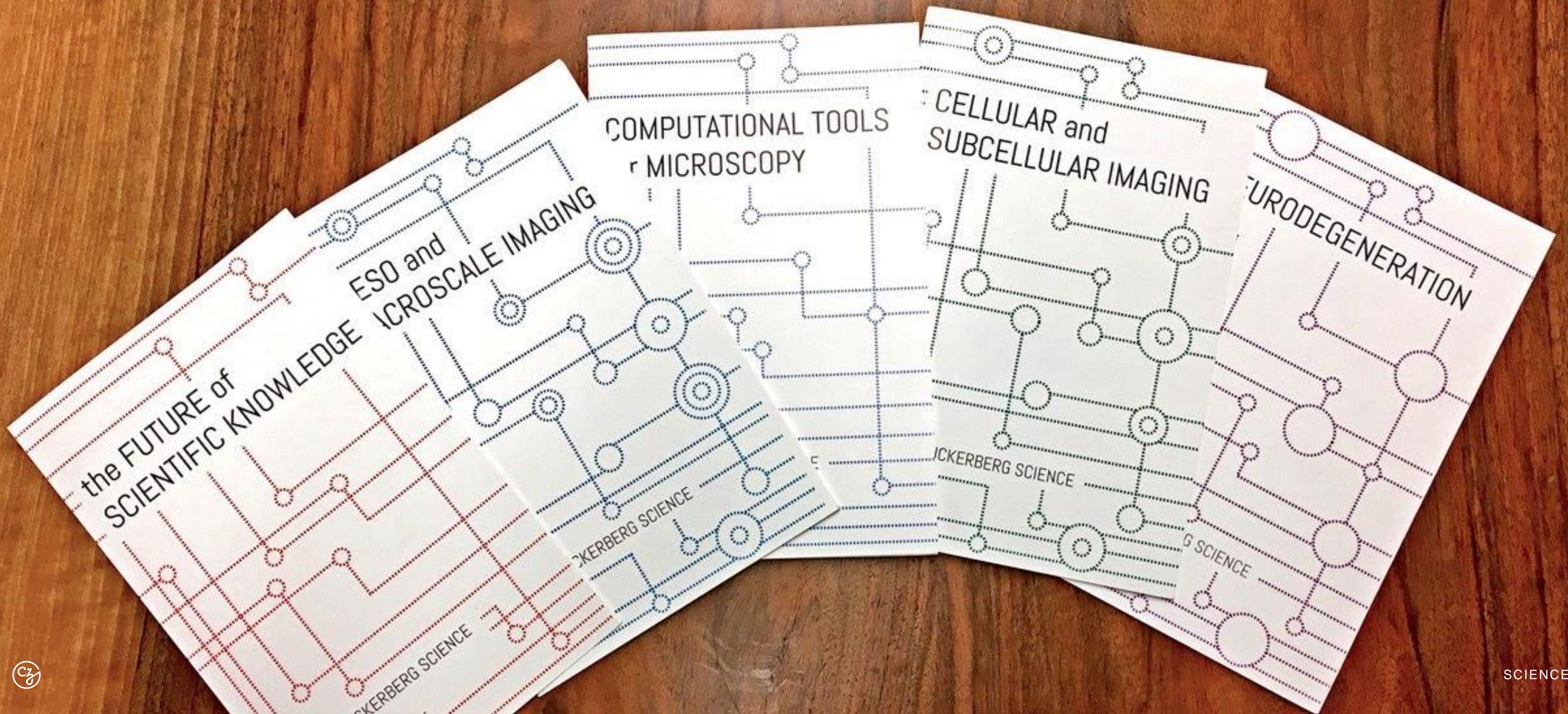
Open-source
software, tools

CZI engineers
and computational
biologists

how we choose projects

WHAT'S SLOWING SCIENCE DOWN?

Ask the scientists!



CHOOSING PROJECTS

1

Does it have a systemic effect?

2

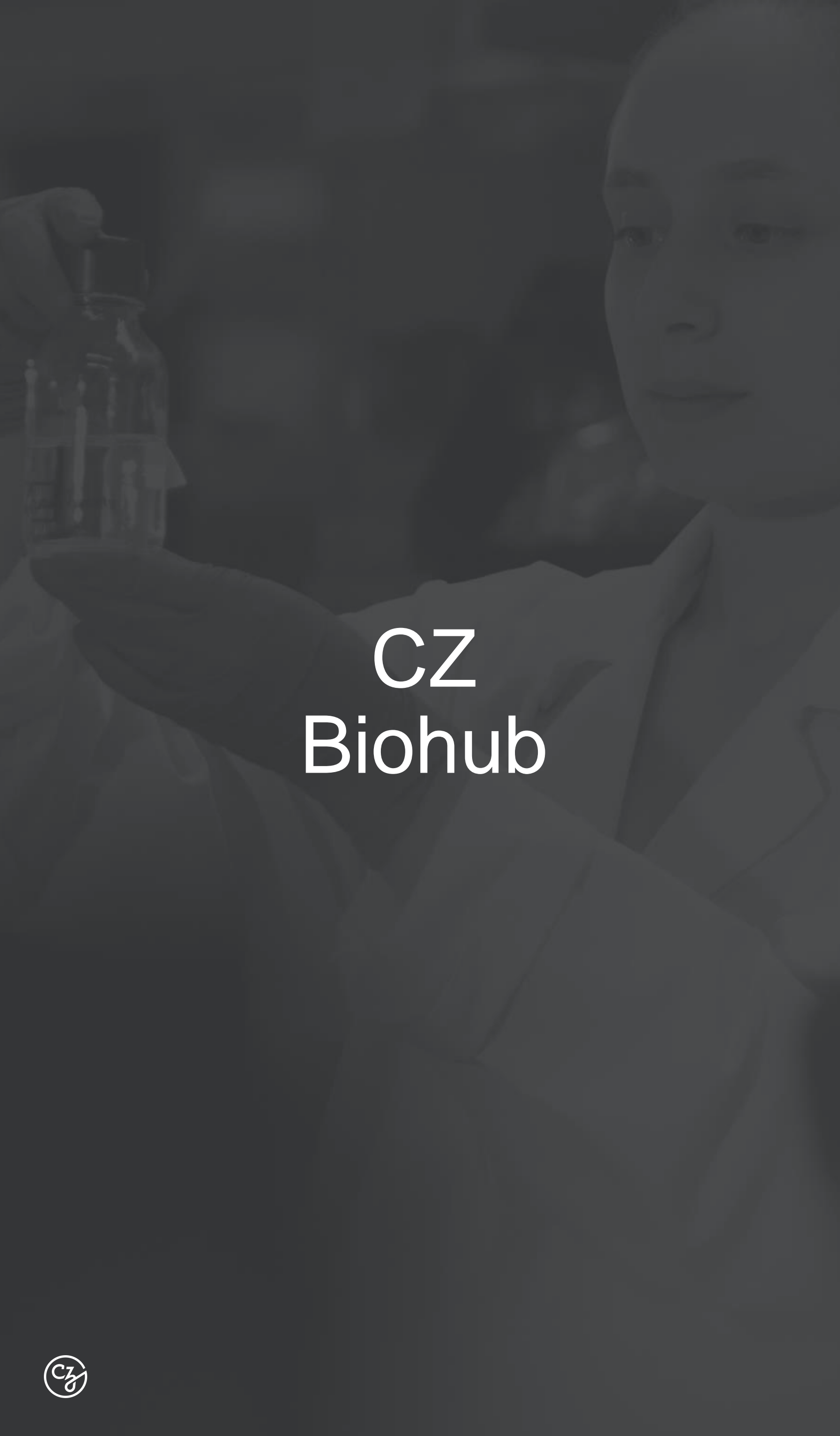
Does it scale?

3


Can we make a differentiated impact?

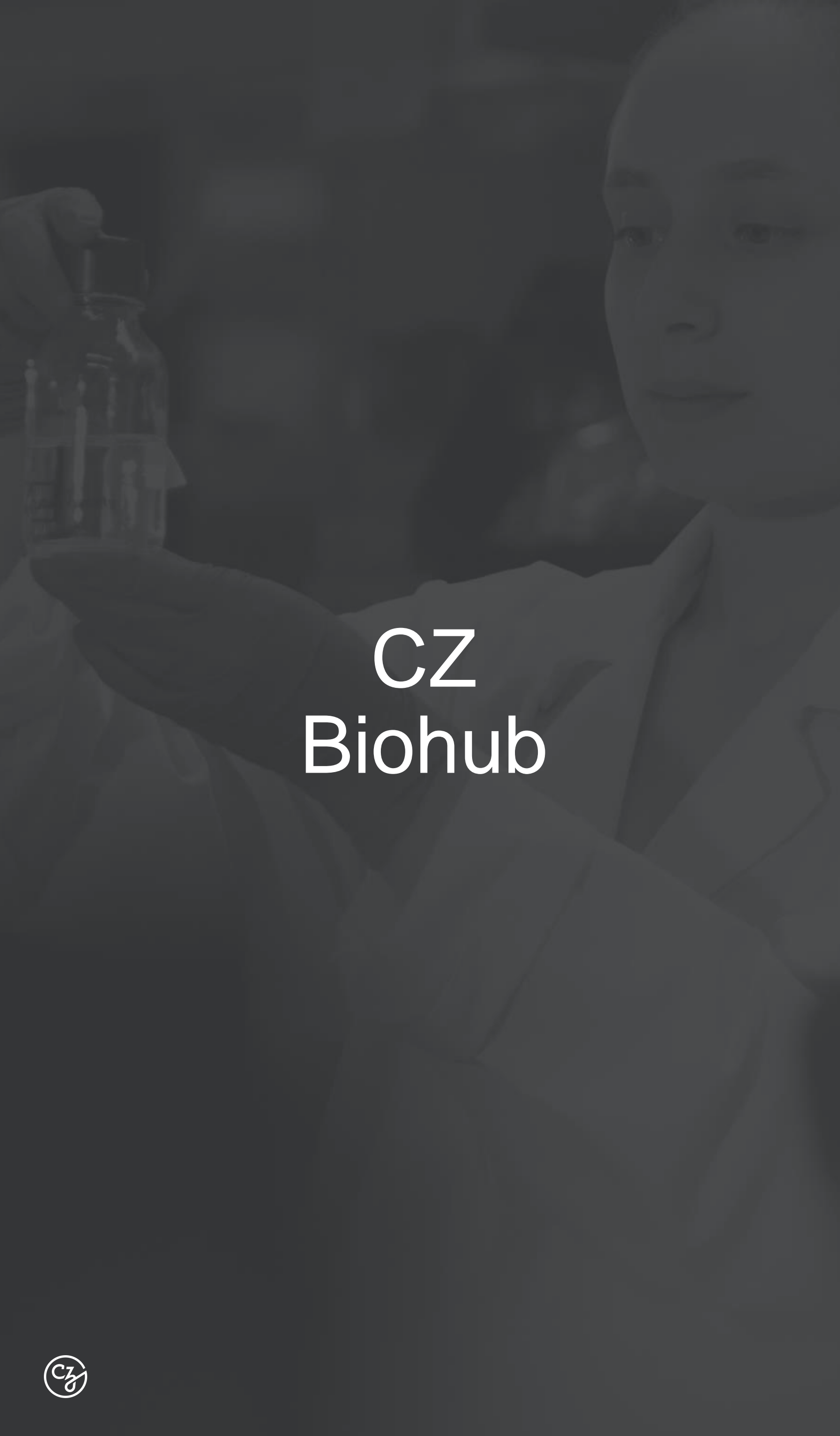
4

What will we learn?




CZ
Biohub





CZ
Biohub

 CZ
Biohub



CHAN ZUCKERBERG SCIENCE

Transformative
Technology



Healthy Brain

Severe Alzheimer's

Challenge Networks

$-\log_{10}(P)$

Chromosome

GENE

SCIENCE | 10

Healthy Brain

Severe Alzheimer's

Challenge Networks

$-\log_{10}(P)$

Chromosome

GENE

SCIENCE | 10

Healthy Brain

Severe Alzheimer's

Challenge Networks

$-\log_{10}(P)$

Chromosome

GENE

SCIENCE | 10



TRANSFORMATIVE TECHNOLOGY

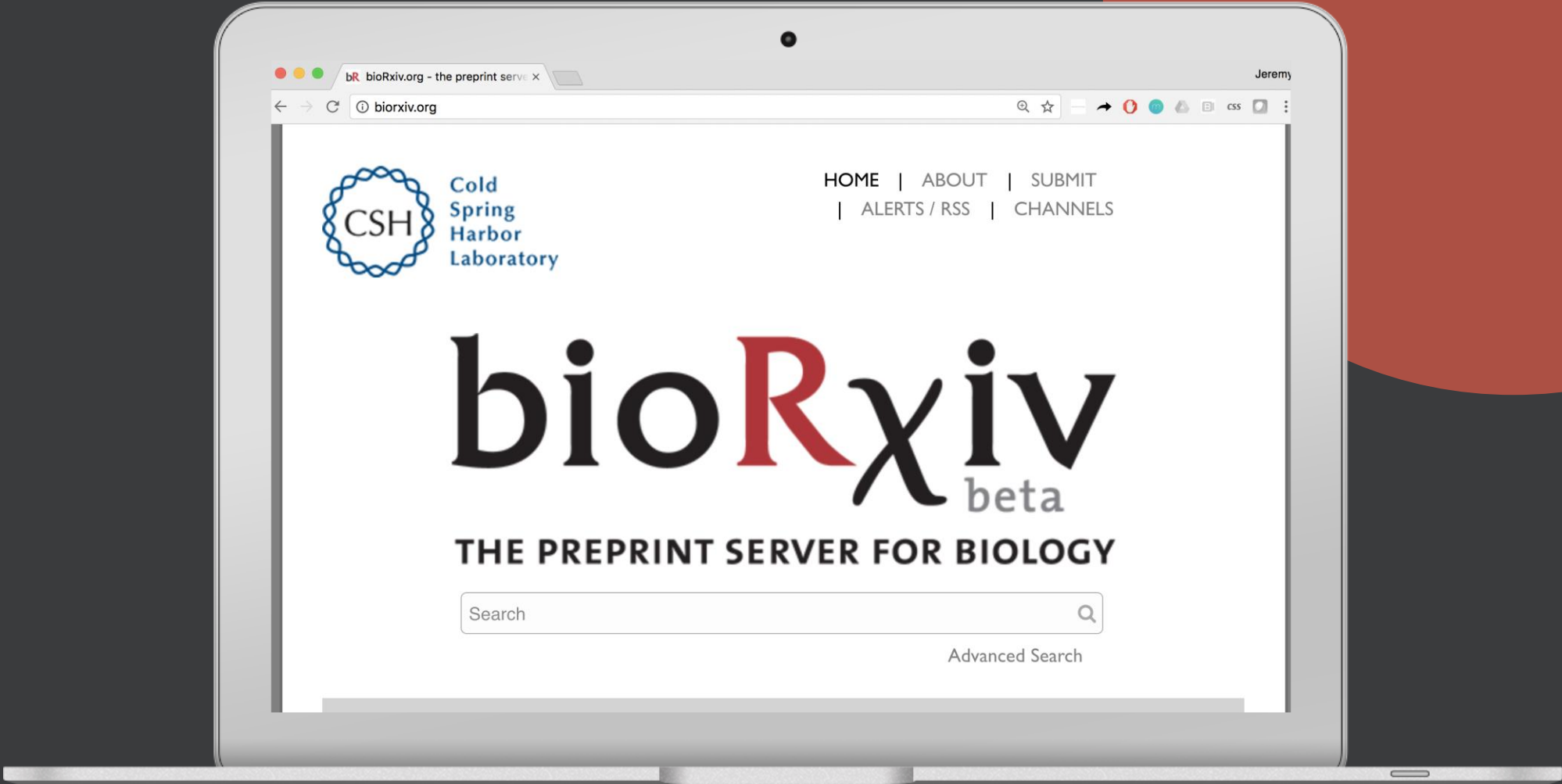
Tools that are
ROBUST, RELIABLE, SCALABLE, and SHAREABLE

TRANSFORMATIVE TECHNOLOGY

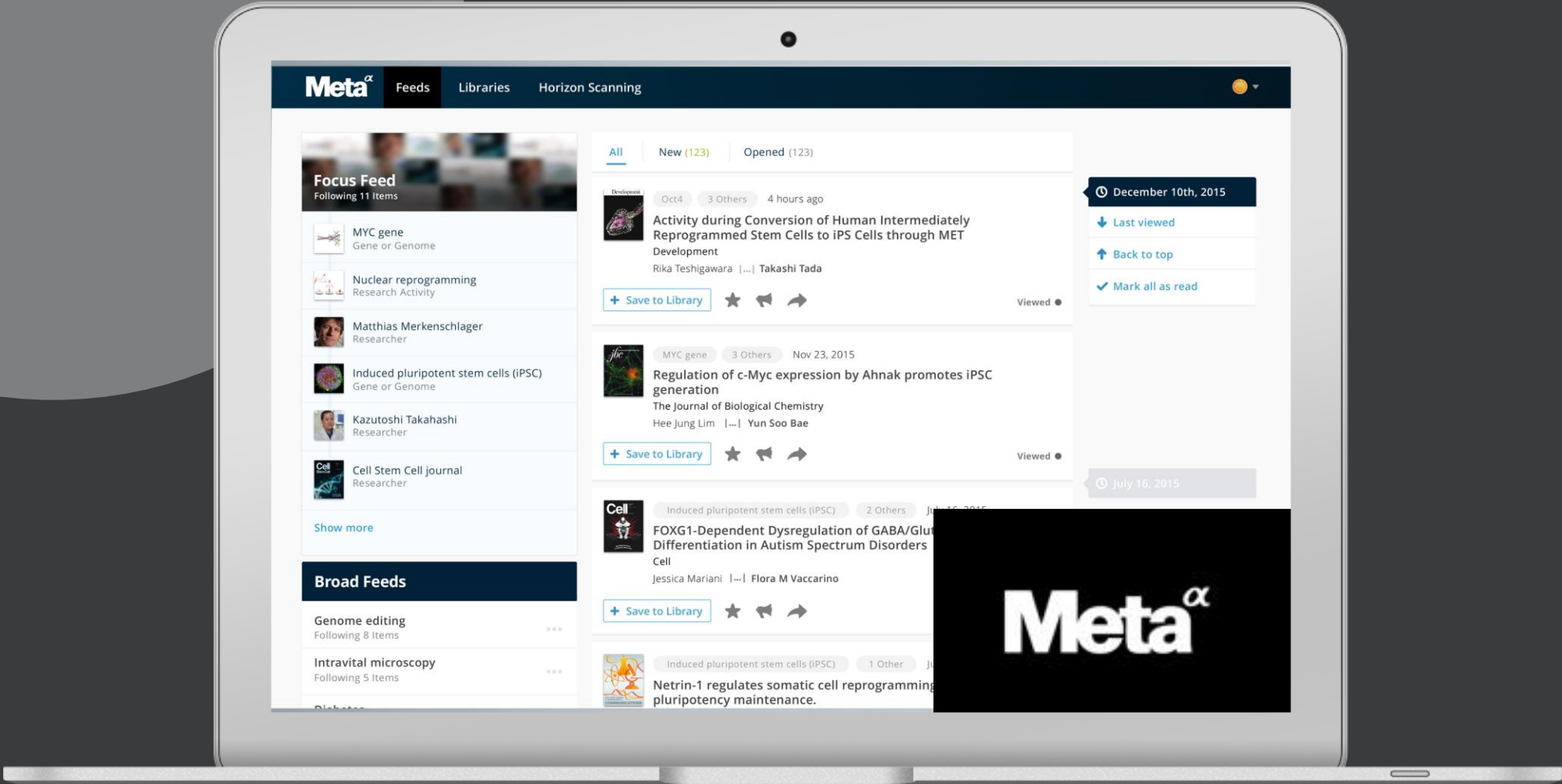
ACCELERATING KNOWLEDGE SHARING AND DISCOVERY

WE FUND

WE BUILD

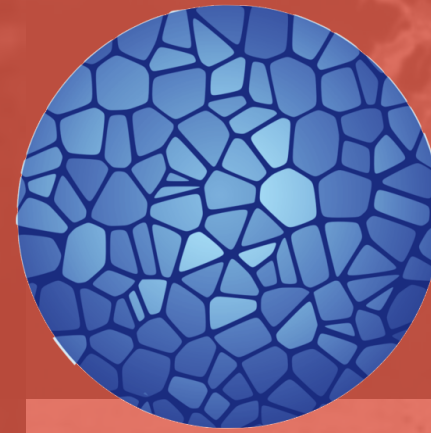


PREPRINTS FOR BIOLOGY



AI/ML FOR THE BIOMEDICAL LITERATURE

TRANSFORMATIVE TECHNOLOGY



HUMAN
CELL
ATLAS

A free, open reference map of all
cells in the healthy human body

TYPES, NUMBERS, LOCATIONS, NEIGHBORS, MOLECULAR COMPOSITION

TRANSFORMATIVE TECHNOLOGY

WE FUND

Researchers
worldwide



WE (HELP) BUILD

Data coordination
platform

ALSO ENGAGED

Wellcome, NIH, Klarman Foundation, EU, DFG, RIKEN, Wallenberg Foundation

TRANSFORMATIVE TECHNOLOGY

WE FUND: OPEN REQUESTS FOR APPLICATIONS

REQUEST FOR APPLICATIONS

Pilot Projects for a Human Cell Atlas

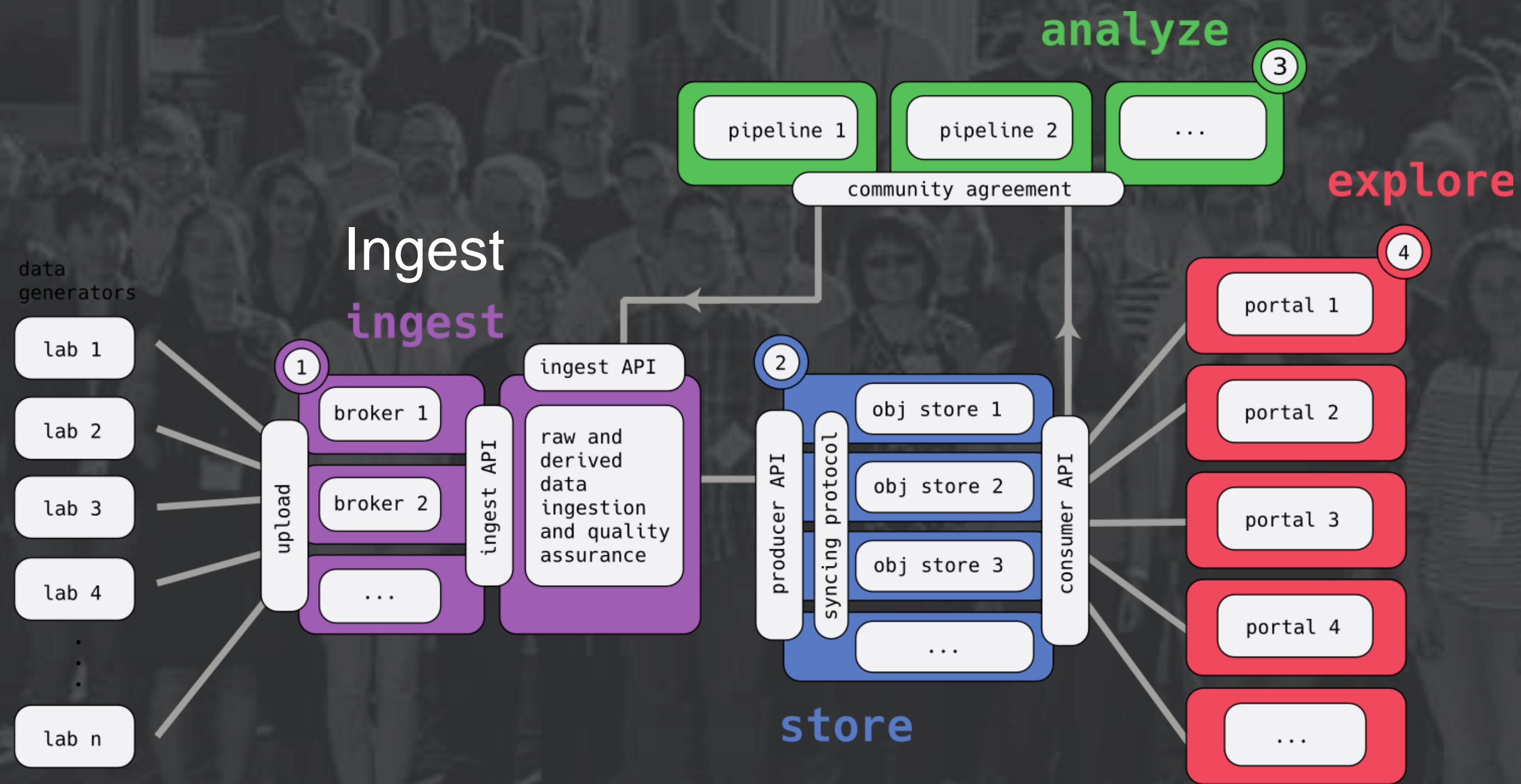
The Human Cell Atlas is a global effort to create a reference map of all cells in the healthy human body as a resource for studies of health and disease.

The Chan Zuckerberg Initiative invites applications for one year pilot projects to develop technologies for the Human Cell Atlas, establish best practices in the field, and begin a common data archive for analysis and investigation. [Full details here.](#)

Collaborative computational tools
for the Human Cell Atlas
supporting open, collaborative
development of new computational
tools, algorithms, visualizations,
and benchmark datasets

TRANSFORMATIVE TECHNOLOGY

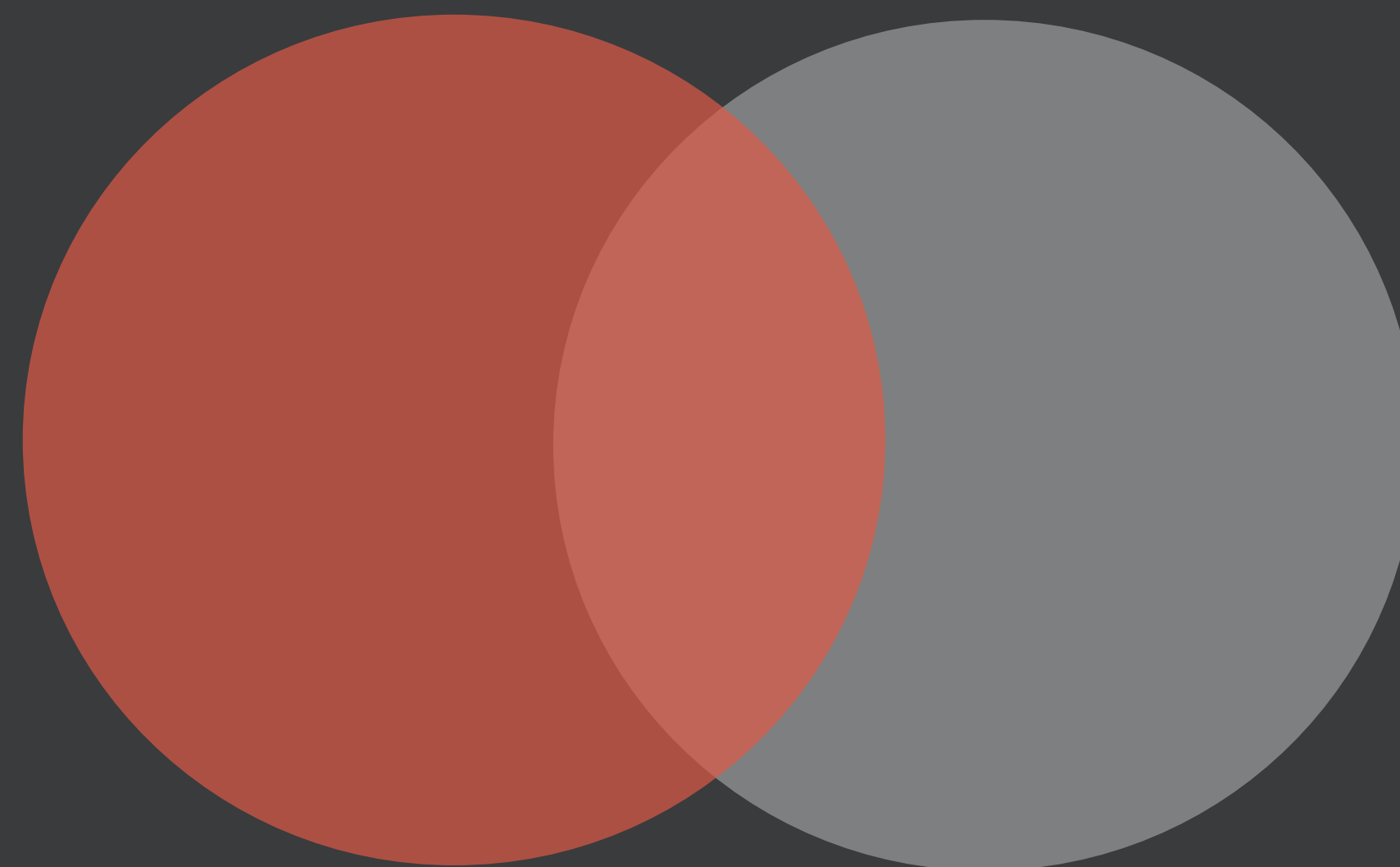
DATA COORDINATION PLATFORM



DEVELOPED JOINTLY BY

European Bioinformatics Institute, Broad Institute, UC Santa Cruz and, CZI

WE FUND



WE BUILD

To stay updated about future opportunities



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