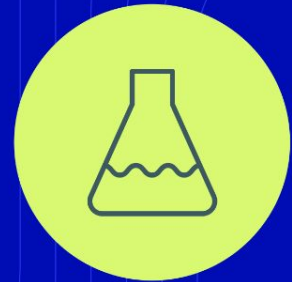
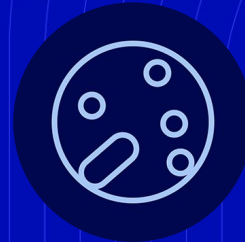
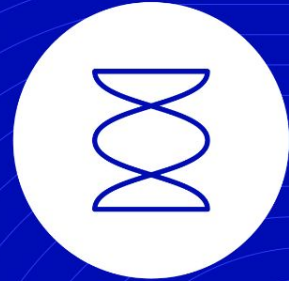




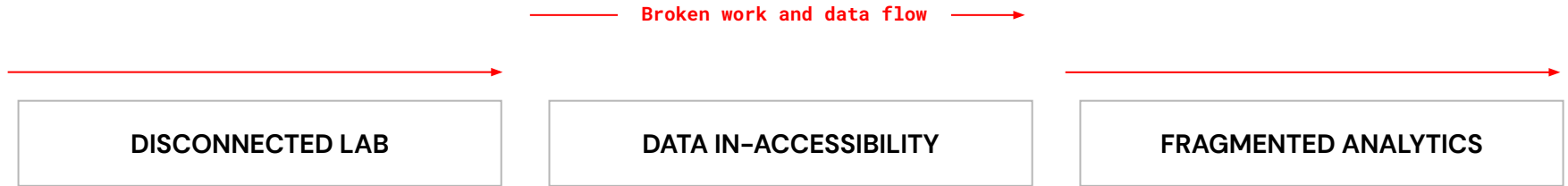
Benchling + Allotrope

Accelerating biotech innovation through instrument data standards

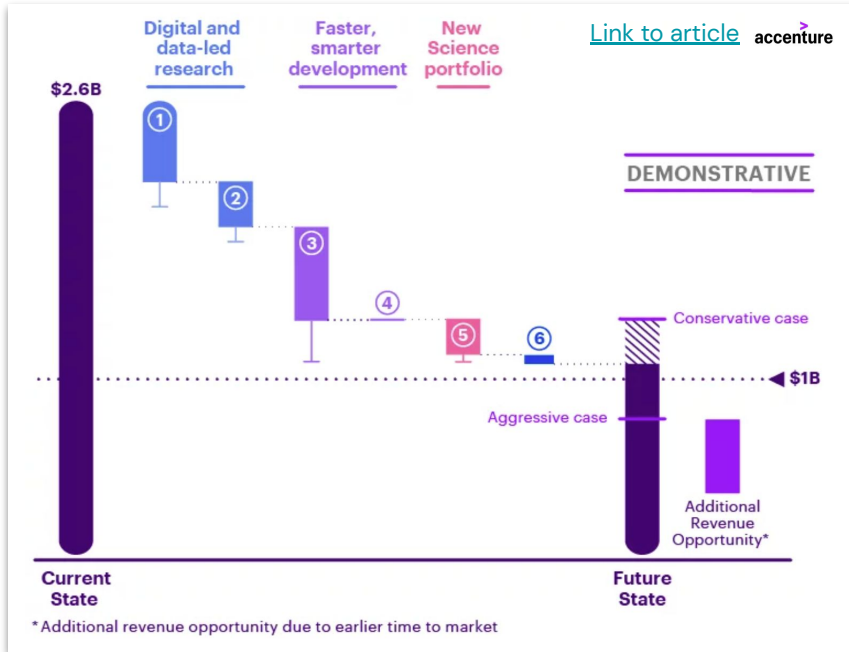
April 25, 2023



Friction across lab & analysis workflows slows down innovation



Rising R&D costs are driving the need for biotech innovation



\$1.6B potential savings
via R&D innovation
(In cost to bring successful treatment to market)

R&D is the engine of biotechnology innovation

Over the next two decades, biotech R&D will have a massive economic and human impact

60%

of global economy will be driven by biotech R&D

45%

of diseases will be addressed by biotechnology

\$2-\$4
Trillion

of direct economic benefit every year



Benchling's mission is to unlock the power of biotechnology



Streamlines
scientific workflows



Faster process design
and development scale



More efficient
regulatory data reporting



Fluidity between
dry and wet lab



Faster time-to-discovery
and handoff to development



Faster time-to-decision on
stopping non-viable investment

Benchling: Modern software for modern science

Customer focused

1100+ Customers

4

Sectors spanning biopharma, agriculture, industrial biotech, & CPG

200k+ Scientists using Benchling for R&D

99% Customer retention

27%

Of 172 biotech IPOs since 2020, 46 are Benchling customers

Experienced team

850+ Global employees

28

Countries we operate in

30% Employees committed to product R&D

200+ FTEs in services, success, & support

2012

Founding year with offices in Boston, San Francisco, & Zurich

Recognized success

Forbes

Cloud 100

CBINSIGHTS

Digital Health 150

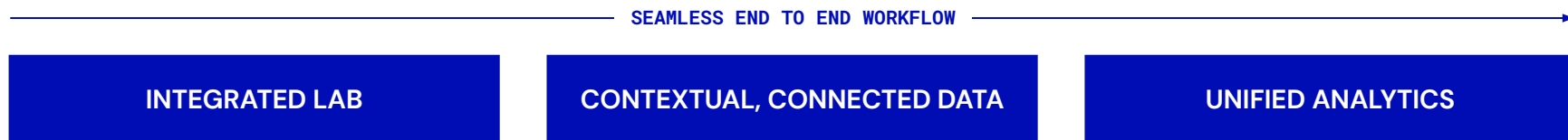
FAST COMPANY

Most Innovative Companies 2022



Benchling's A&A strategy is to eliminate R&D data friction

To accelerate the cycle of design, build, testing, and learning

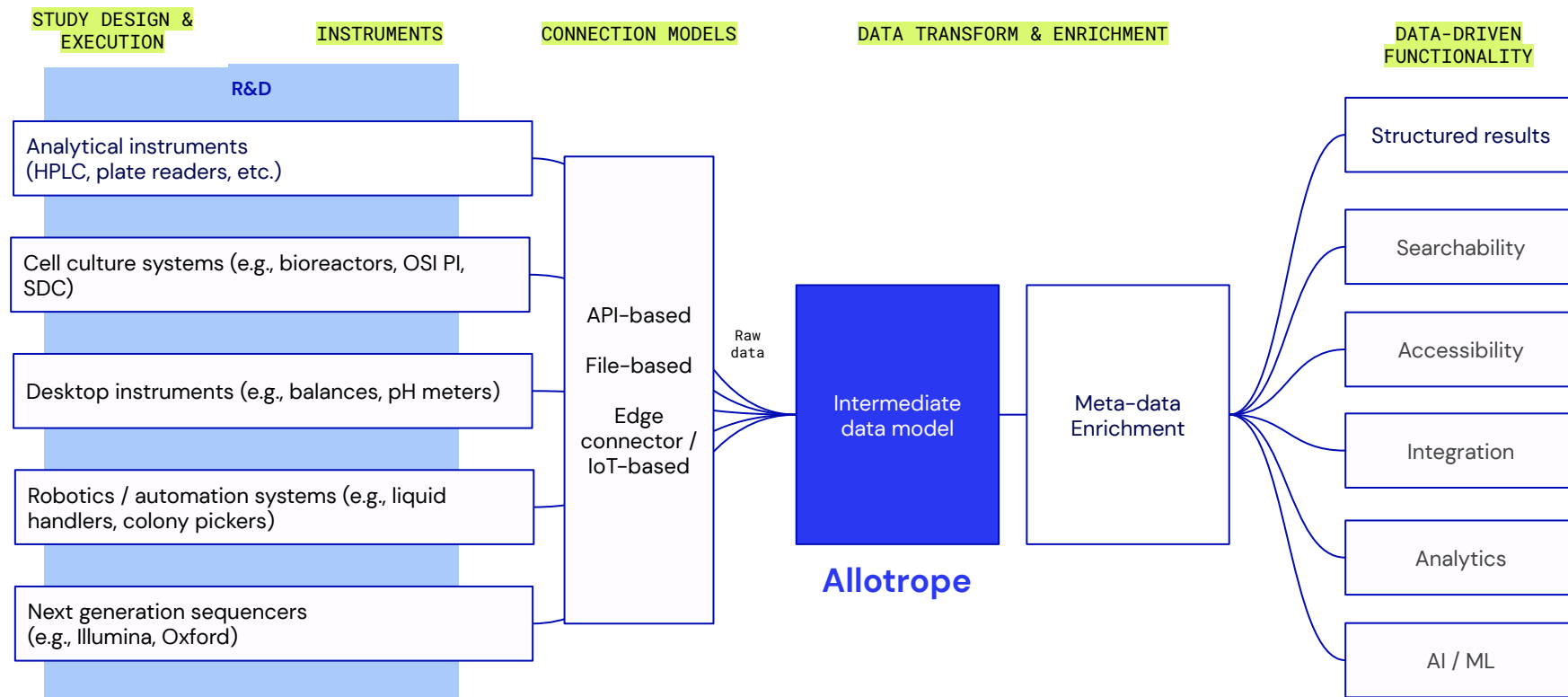


Allotrope data standards

Open data standards are the key to streamlining analysis and enabling data interoperability across the industry

We are committed to supporting Allotrope to drive the industry forward.

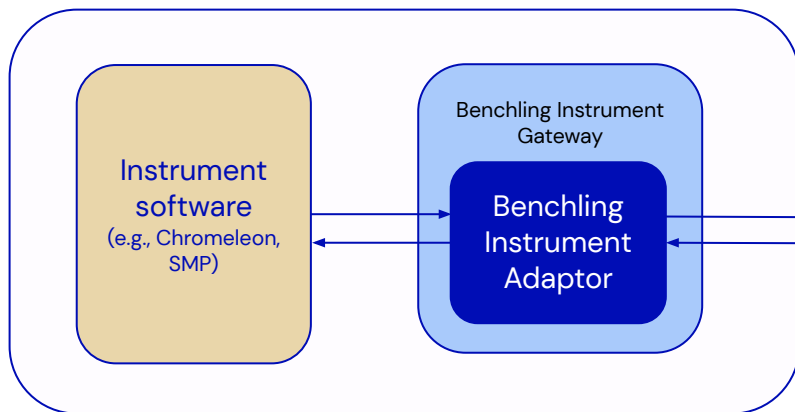
Benchling: An intelligent platform to make instrument data FAIR



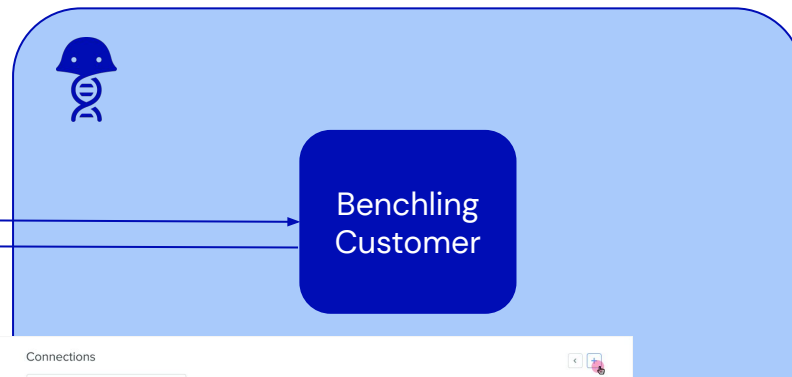
Instrument adapter architecture



Customer PC



Benchling



Connections

Connection Name	Associated Instruments	Status
Chromleon A	Chromat_Summit_01, SynGene Plus_01	Available
Chromleon B	Chromat_Online_3000_01, Accela_01	Available
Chromleon C	LC-MS_01	Available
Chromleon D	Accela_02, SpectraSYSTEM_02	Available
gen5 A	Synergy Neo2 Hybrid Multimode_01	Running
gen5 B	Cytation Hybrid Multimode_01	Commun
gen5 C	Synergy HTX Hybrid Multimode_01	Available
gen5 D	Synergy HTX Multimode_01	Running
SoftMax Pro A	Mni Multi-Mode Microplate Reader	Running
SoftMax Pro B	U Multi-Mode Microplate Reader	Commun
SoftMax Pro C	U3 Multi-Mode Microplate Reader	Commun

HPLC Sample Preparation

Column Preparation

- Do this step in 20 min. If pump stops and does not begin to run again, stop the pump, check for air bubbles.
- Turn on column heater at 60°C. If the pump does not start to run, check the temperature and the HPLC.
- Wait for column to achieve steady state temperature (about 20 minutes for temperature stabilization and flushing of system).

Entity	Entity Name	Injection Type	Volume	Dilution	Injection Method
1	Chromleon Injector 1	Unknown	10	2	Method 1
2	Chromleon Injector 2	Unknown	10	2	Method 1
3	Chromleon Injector 3	Unknown	10	2	Method 2
4	Chromleon Injector 4	Unknown	10	2	Method 2
5	Chromleon Injector 5	Unknown	10	2	Method 2



Open data standards will unlock community-led innovation

Partnering through the Allotrope community to accelerate analytics innovation across the industry



Faster time to adopt new instruments



Acceleration of turnkey analytic market offerings



Better transferability and interoperability between systems and market vendors