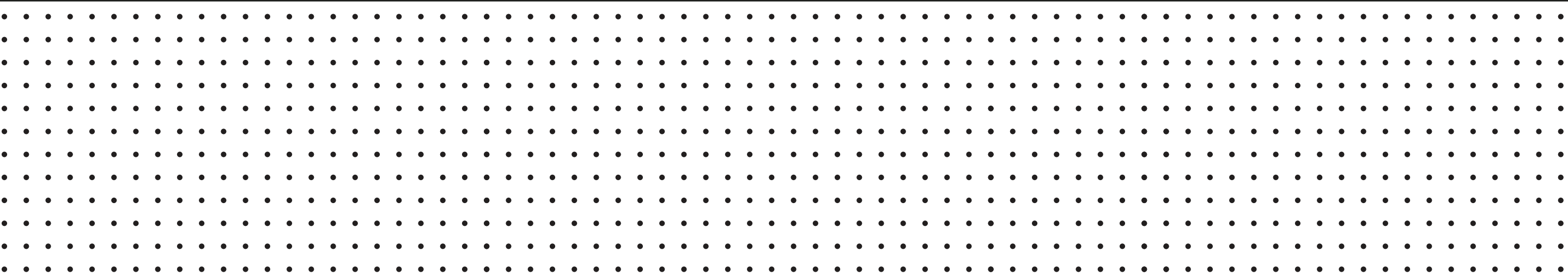


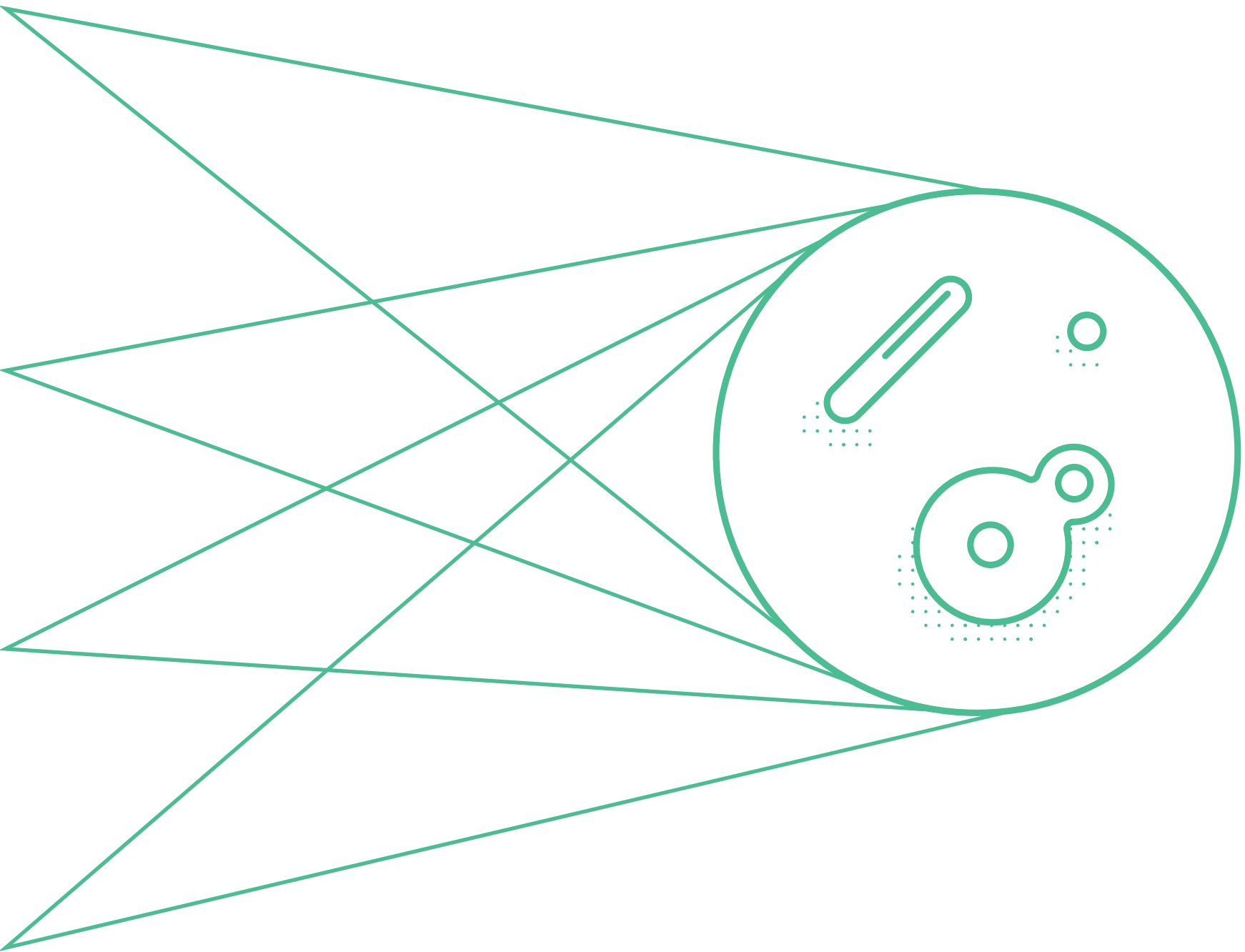
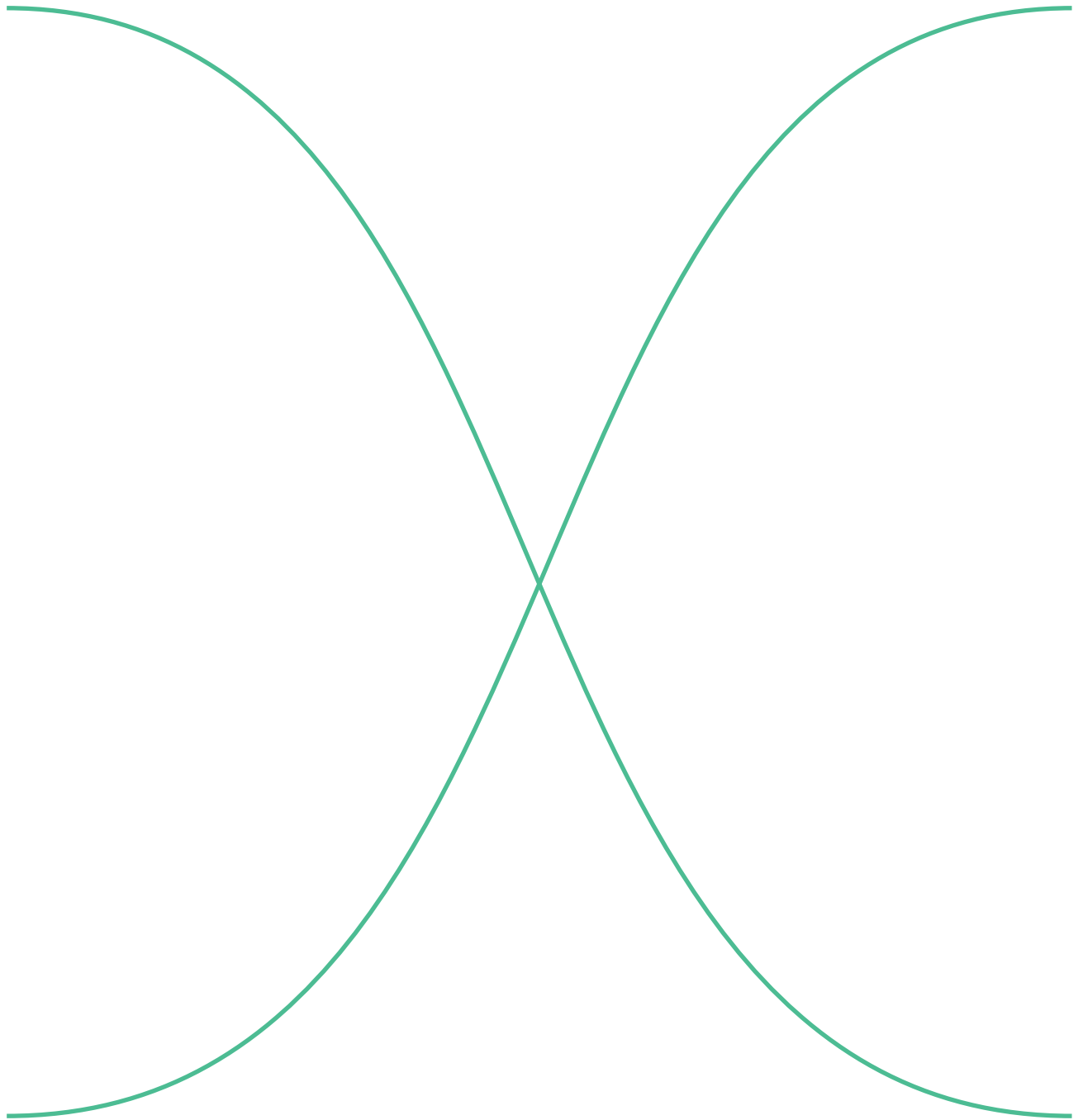
STÄMM

Food consumption is changing



- Decentralized production.
- Natural and nutritious ingredients.
- Low scale.

- New requirements for strategic consumables.



Traditional biotech industry



Area of influence: regional



Capex USD 2 - 90 MM



Staff 40-200



Batch 2000 - + 10000 Lts - Discontinuous



Surface +2000 M²



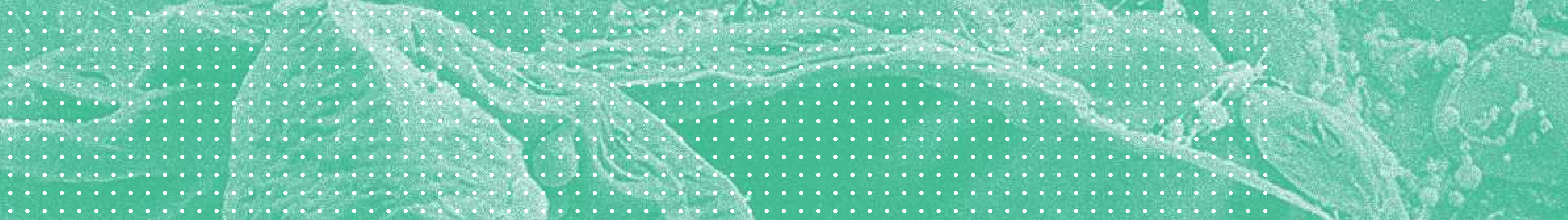
Time to market + 4 Years



Specific assets



Unleash exponential
rates of innovation
in biotech.



Bio Processors



EBITDA: 70%



Revenue USD 800.000



Area of influence: local



Capex - USD 30.000



Staff 1



Batch 5 Lts - Continuous - 4.500/Mth



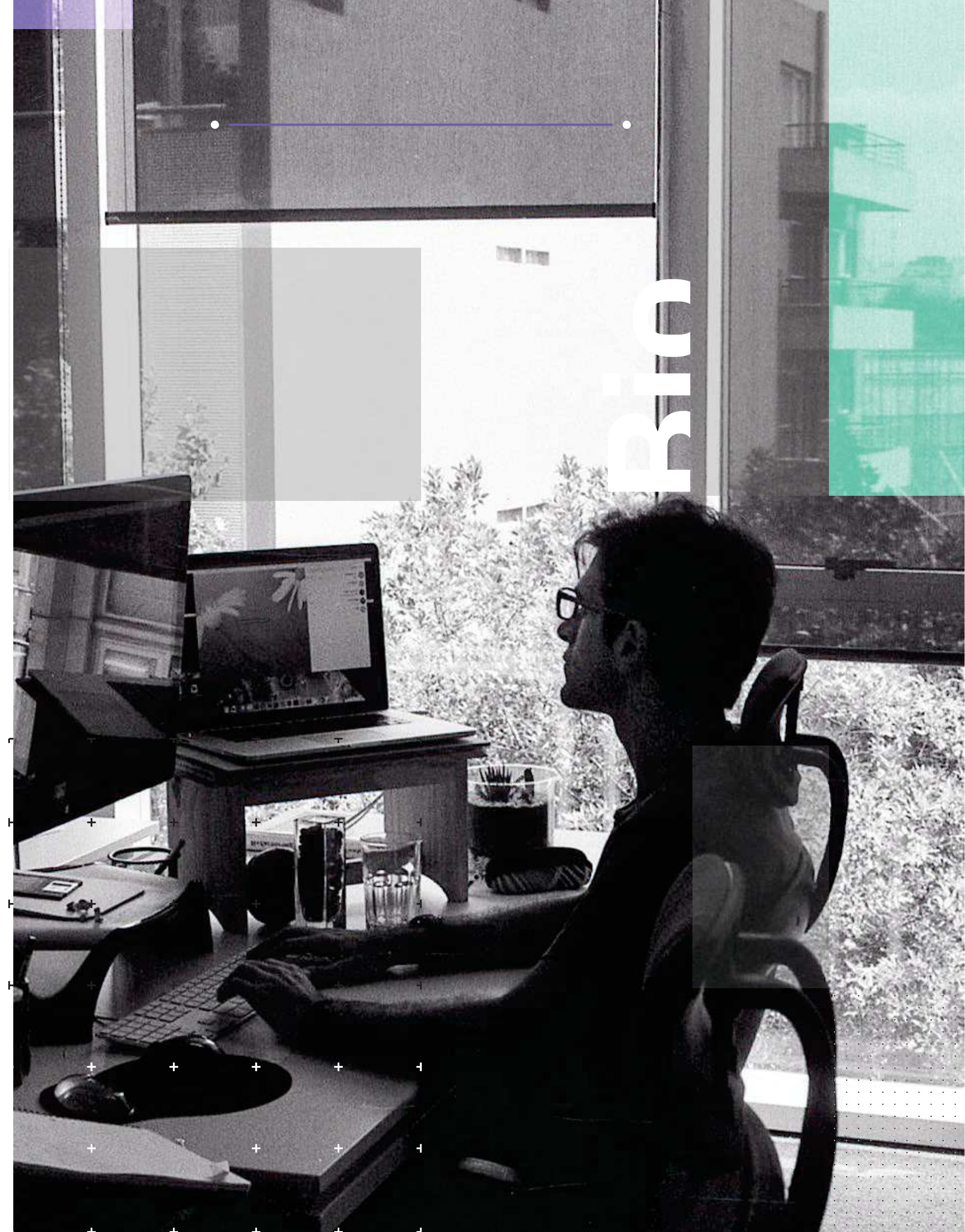
Surface - 25 M²



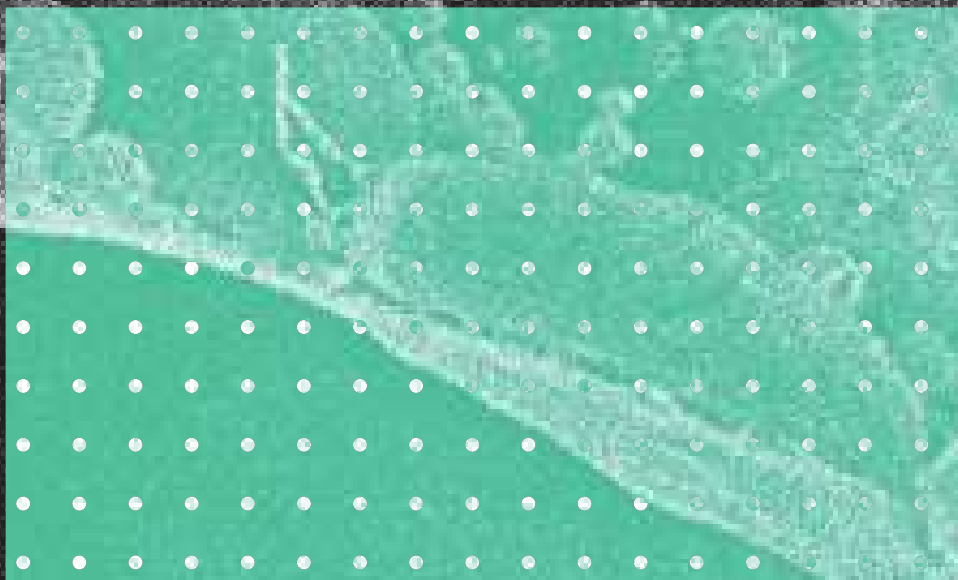
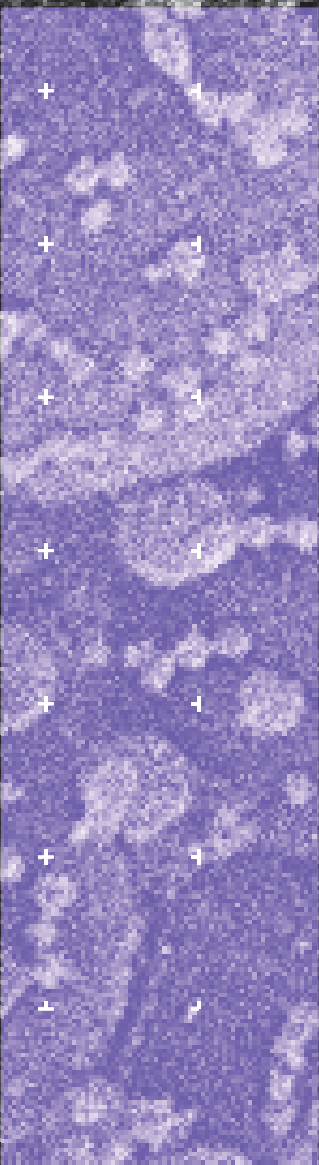
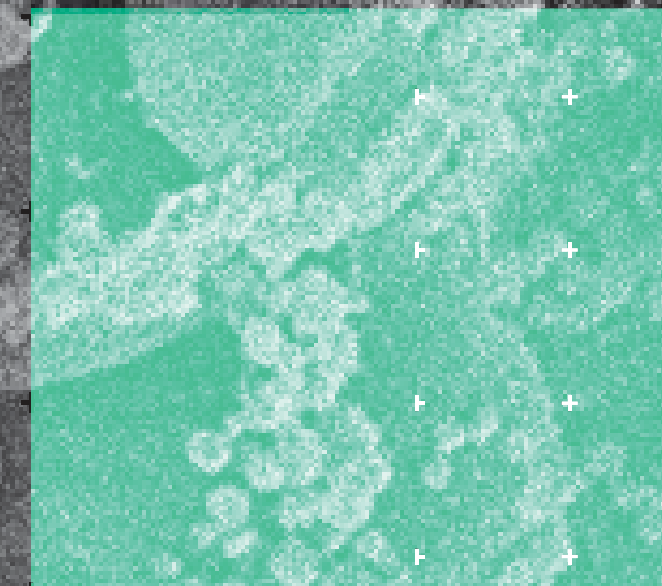
Time to market 1 month



Generics Assets



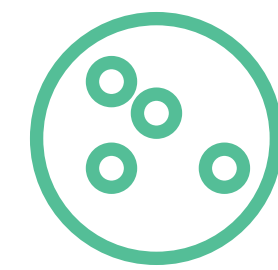
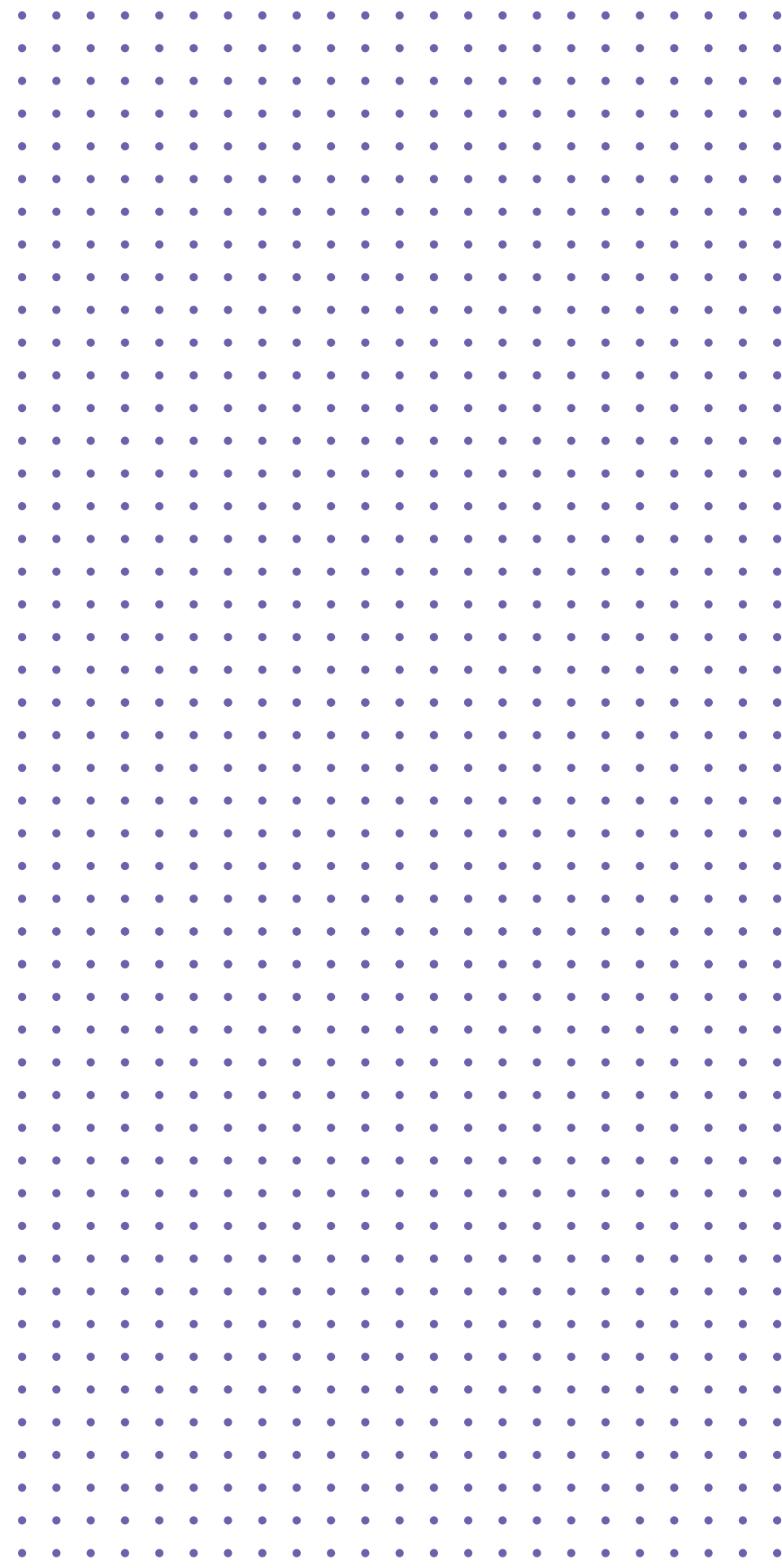
We will develop
the first global
biotech network.



Traditional Process Constraints

5:1

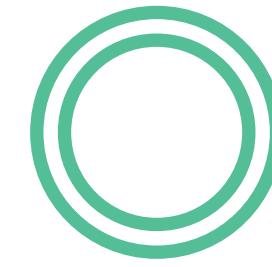
 Hours Preparation / Working hours



■ **Strains**
Acquisition
↓
Conditioning
↓
Storage
↓
Activation

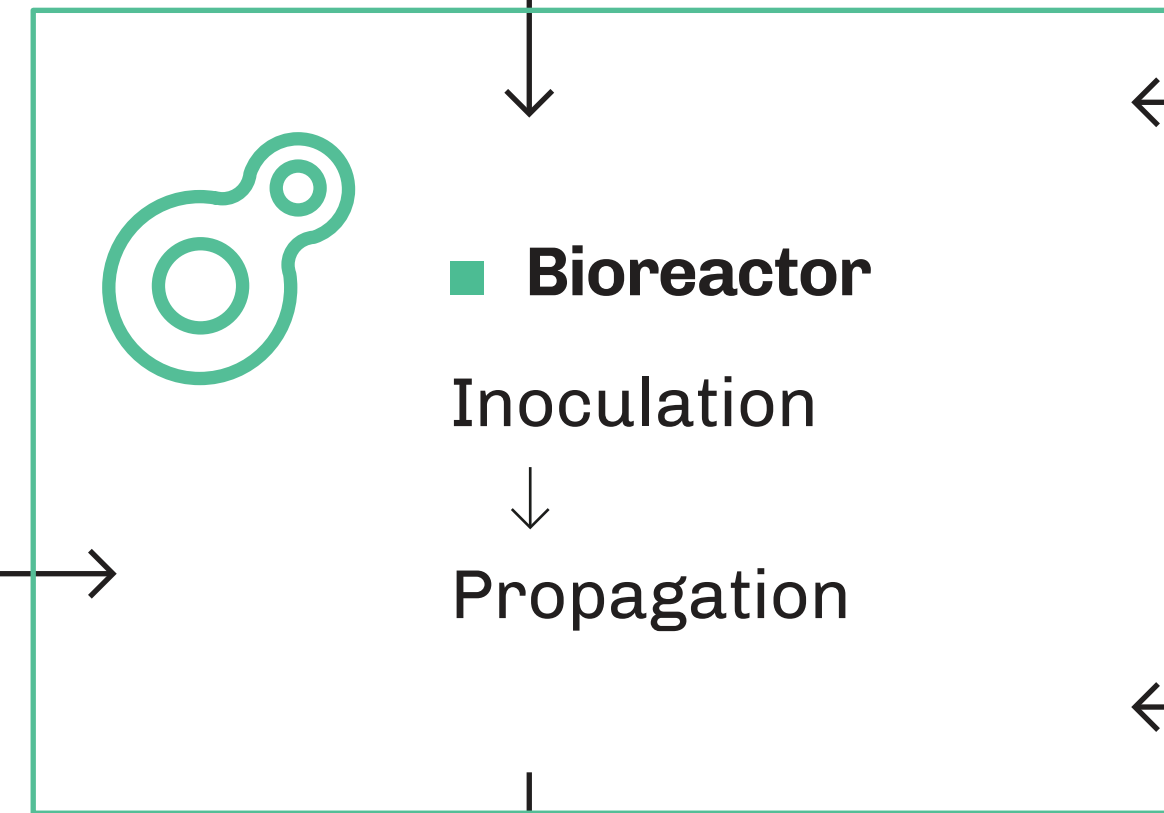
↑
- 30% investment

●
- Contamination Hazard



■ **Growth Media**
Grinding
↓
Mashing
↓
Filtration
↓
Formulation
↓
Sterilization

← - Bottleneck



■ **Bioreactor**
Inoculation
↓
Propagation



■ **Water**
Purification
↓
Mineral correction and pH.



■ **Air**
Compression
↓
Filtration

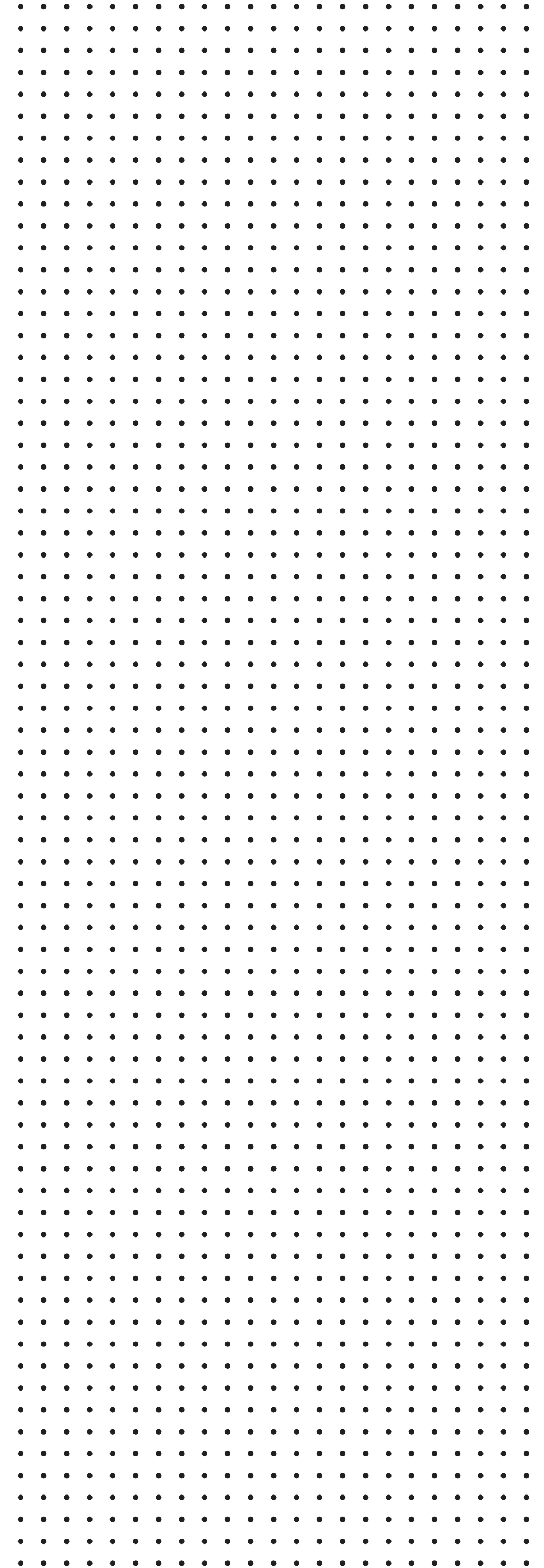


■ **Product**
Dosing
↓
Storage

10x Improvement Goal

“You never change things by fighting the existing reality. To change something, build a new model that makes the existing model obsolete.”

R. Buckminster Fuller



Reinvention



■ Transform complex processes into consumables



■ Remove requirements of highly qualified personnel



■ Reduce infrastructure investment cost

Reinvention

Developments



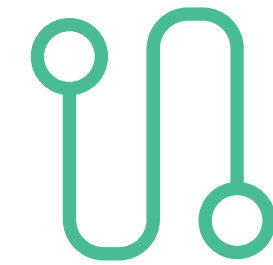
1 Continuous In-line Sterilization

- Electropremeabilization

Nahuel Olaiz
Conicet Research Group

75%

In line continuous sterilization - infield test



2 Automatic propagation of microorganisms

- Laminar microbioreactors

Maximiliano Pérez
Conicet Research Group

50%

Bioreactor on a chip - Prototype



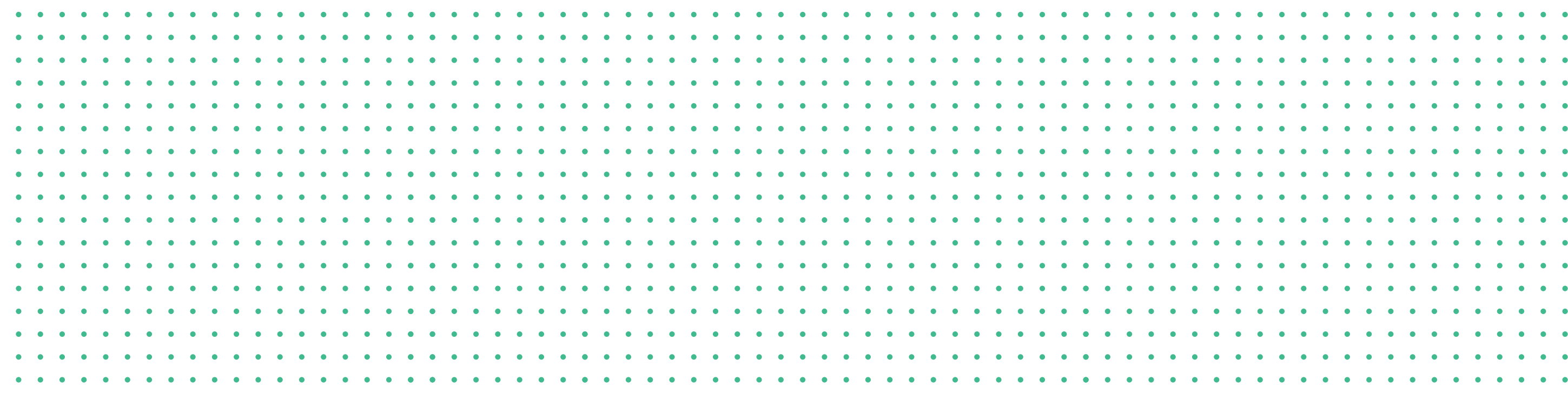
3 Continuous bioreactor

- Final scaling phase with nominal continuous working rate

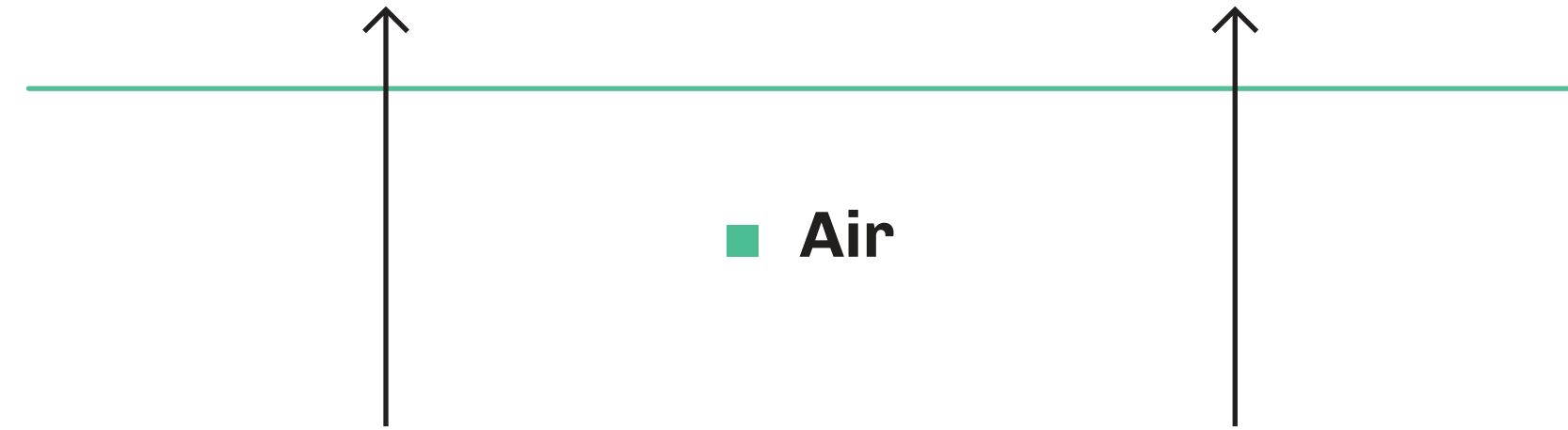
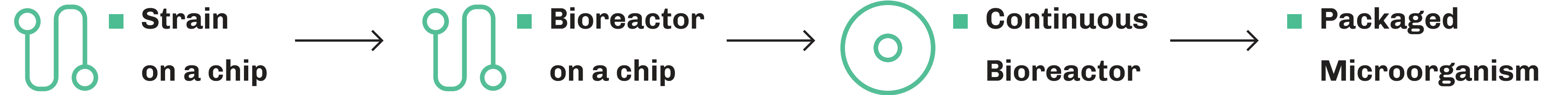
Marcelo Mauri
UBA Research Group

60%

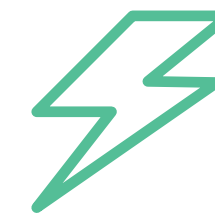
Continuous bioreactor - Lab test



STÄMM G R O W N



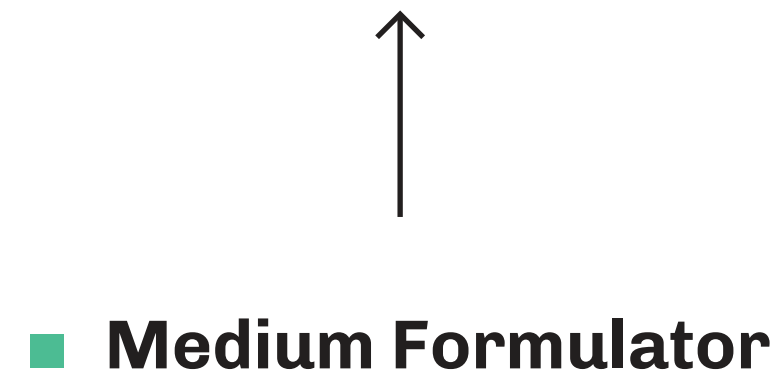
■ 4 Hours/Day
Labour Required



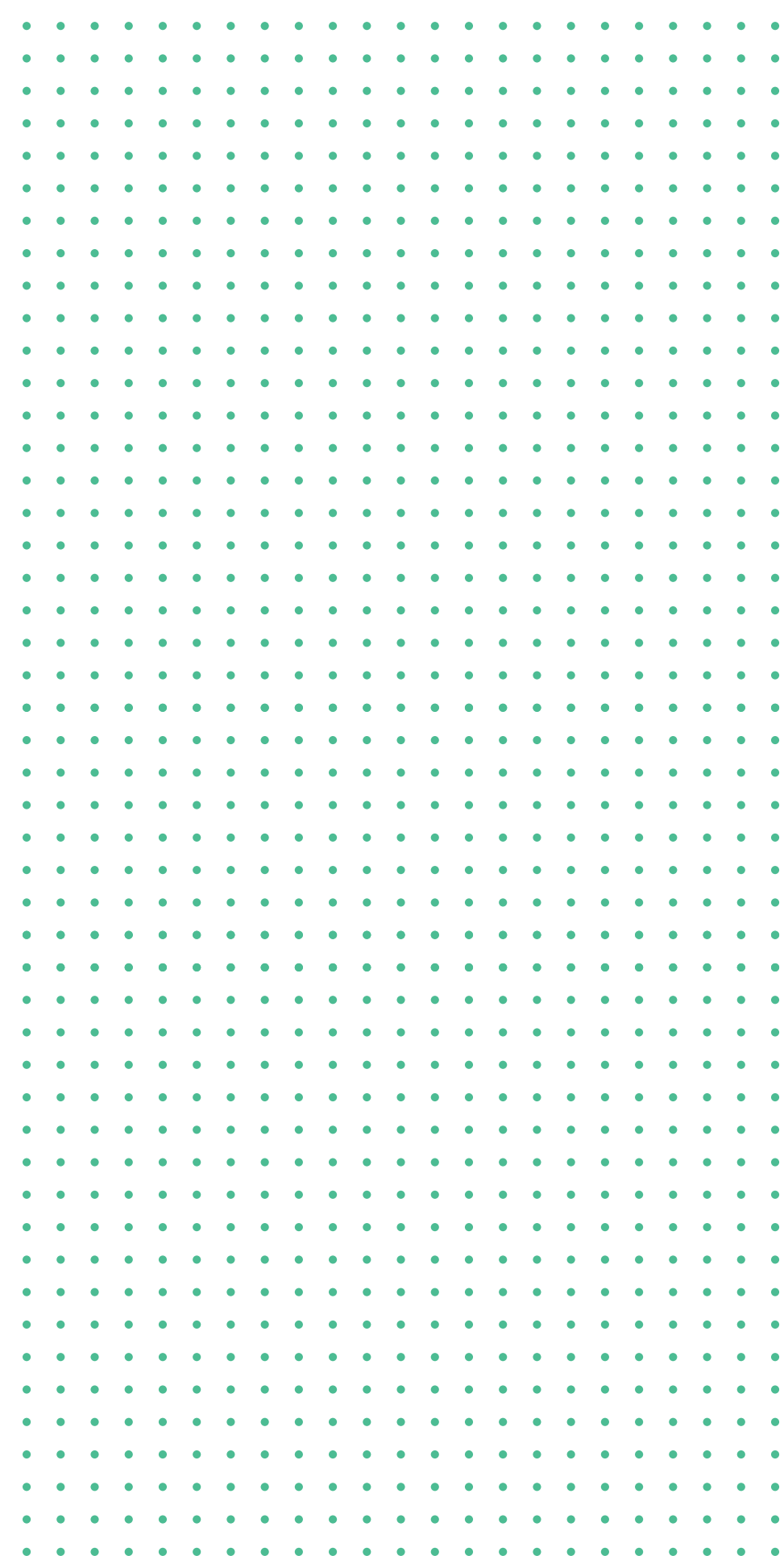
■ In-line Continuous
Sterilization

■ Automated
Propagation

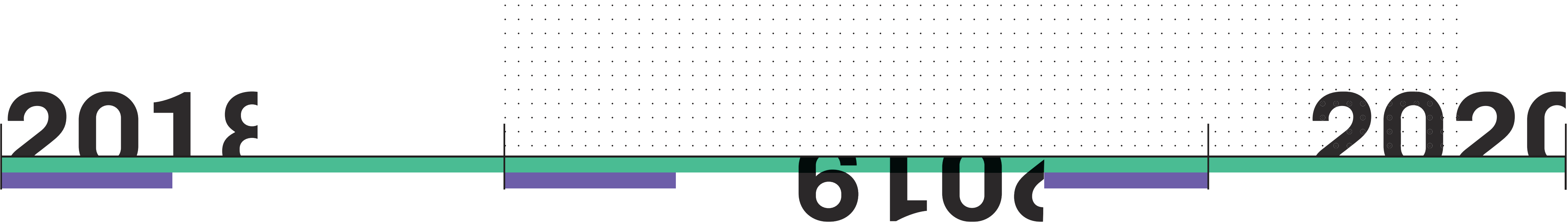
■ No contamination
Hazards



■ Fully integrated
Continuous system



30 Bio Processors in the next 3 years



2018

Expansion to Chile

20% of Argentina's brewer's yeast market share

Scouting

Development of Bio Processors and OS

2019

Presence in Latin America and North America

Technologic HUB

Biosensors Development: Omics

Market Place

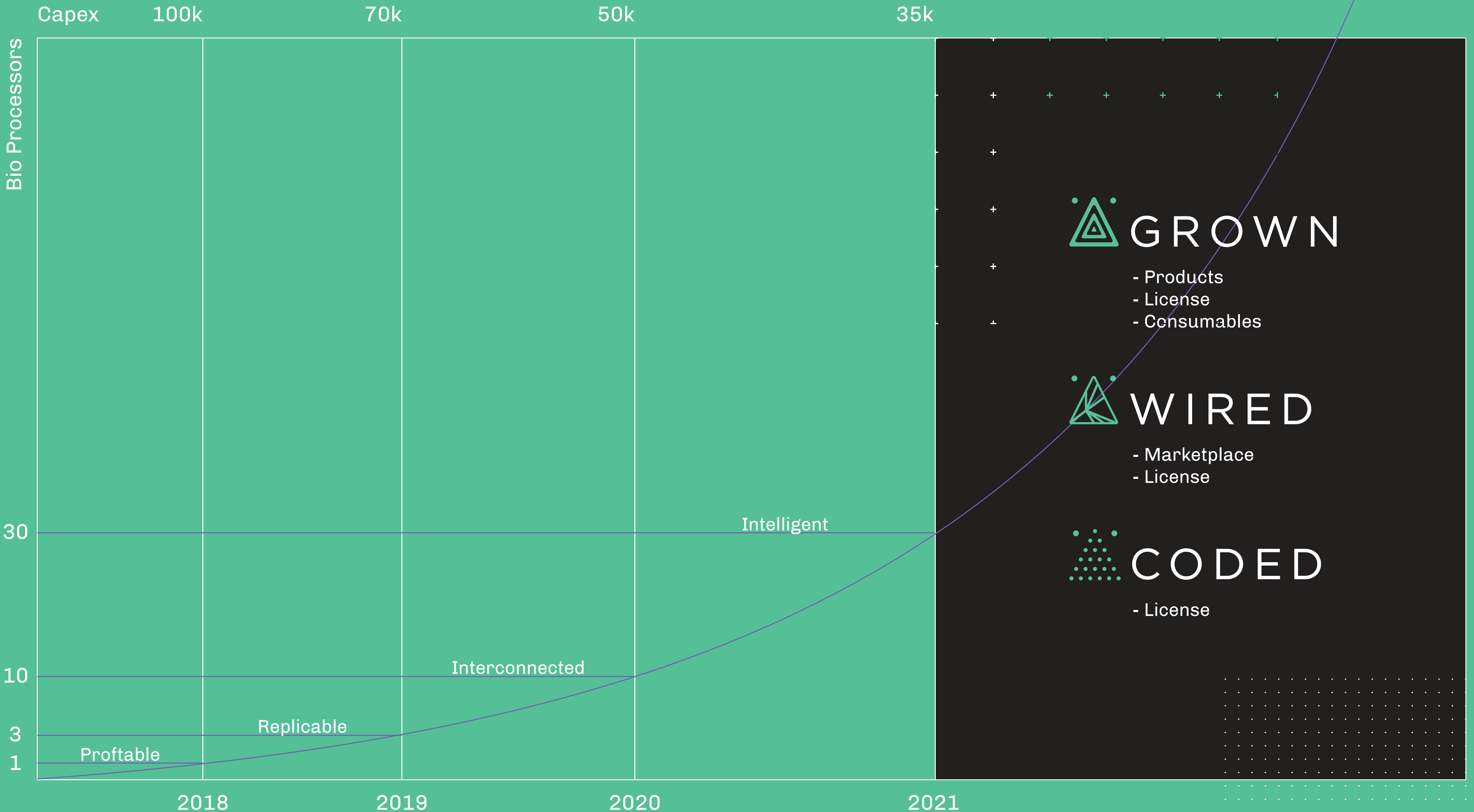
2020

3 launched New Products

Dowstream Processing And IOT

Machine Learning





Capex

100k

70k

50k

35k

Bio Processors

2018

2019

2020

2021

Profitable

Replicable

Interconnected

Intelligent



GROWN

- Products
- License
- Consumables



WIRED

- Marketplace
- License



CODED

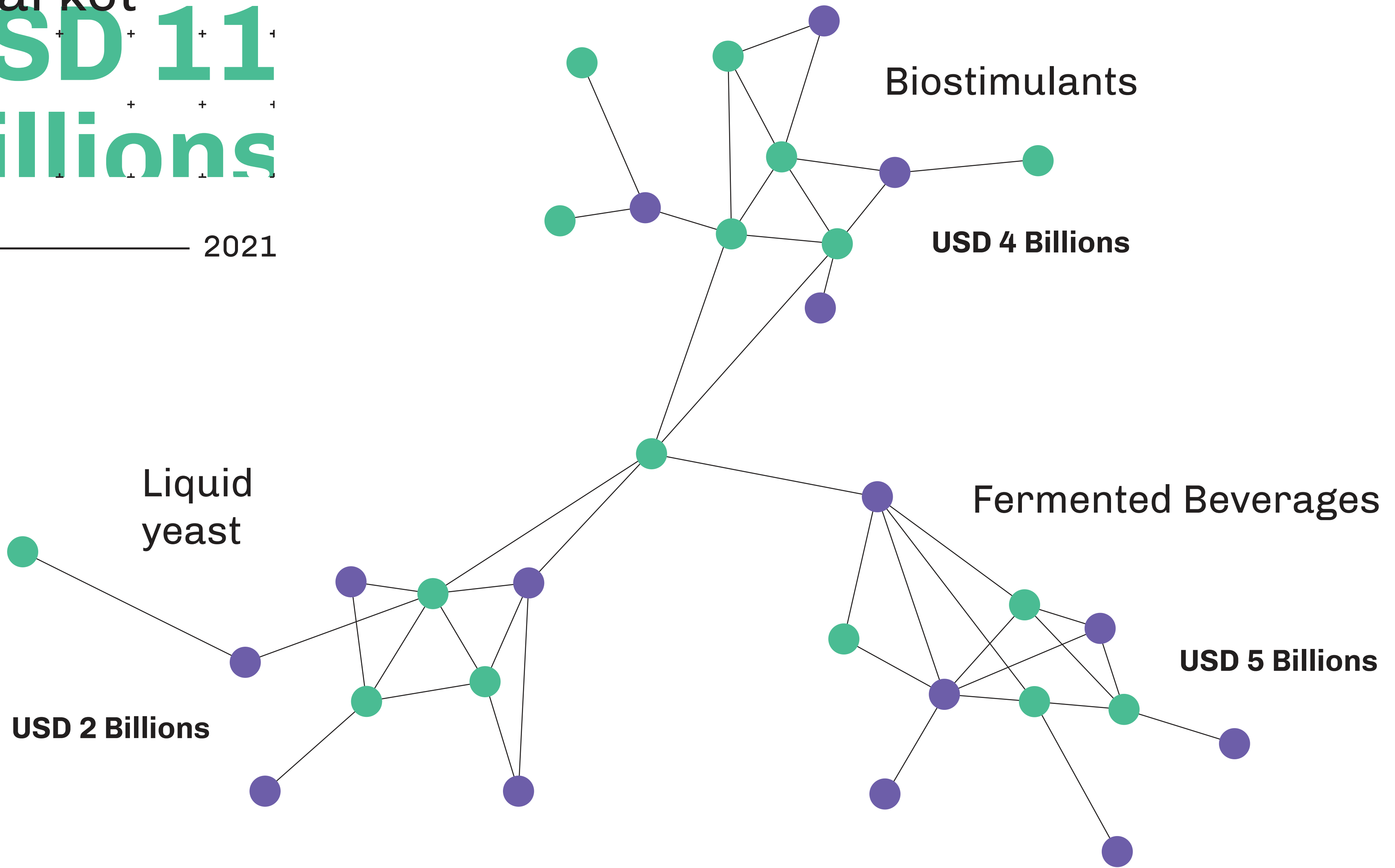
- License

World Market

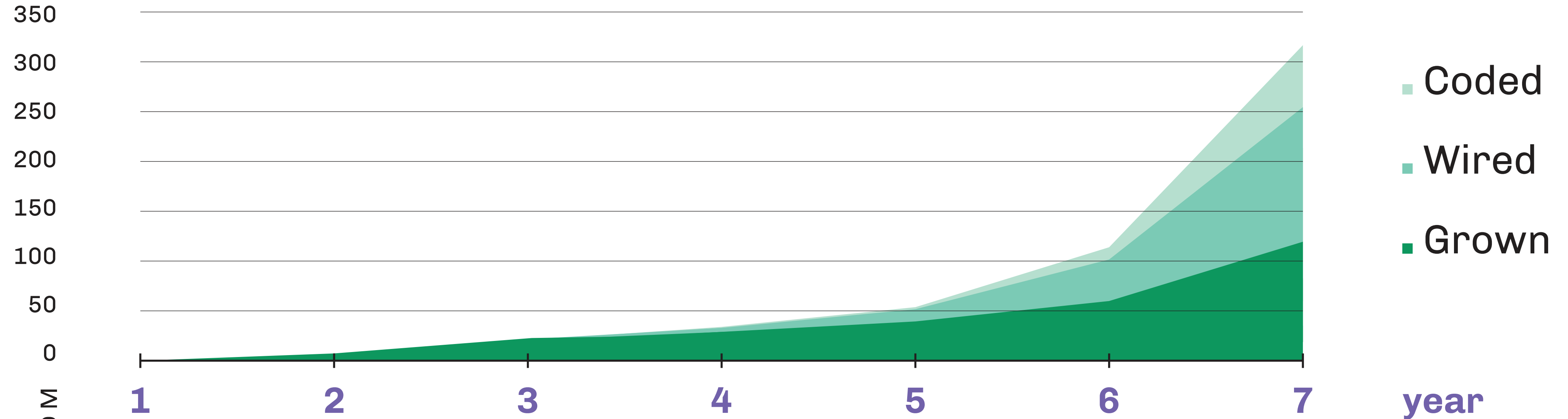
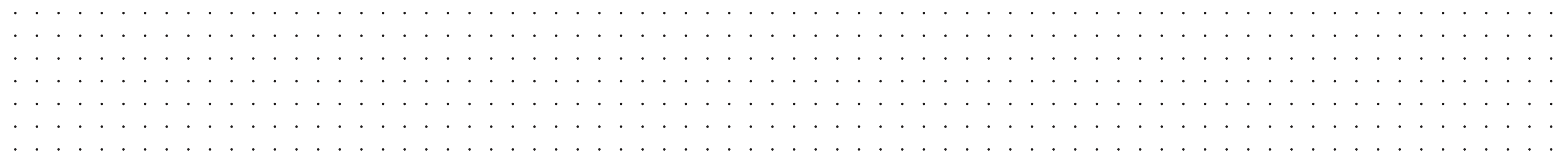
USD 11

Billions

2021



Revenue Streams



	1	2	3	4	5	6	7
Bioprocessors	2	10	30	100	200	500	1400
Grown Licenses	0	0	0	50	150	450	1350
Comsumables	0	1200	3600	6000	18000	5400	162000
Wired Licenses	0	0	50	125	250	1250	6500
Coded licenses	0	0	0	100	200	1000	5000



Digital Biotech Industry Raises



STÄMM



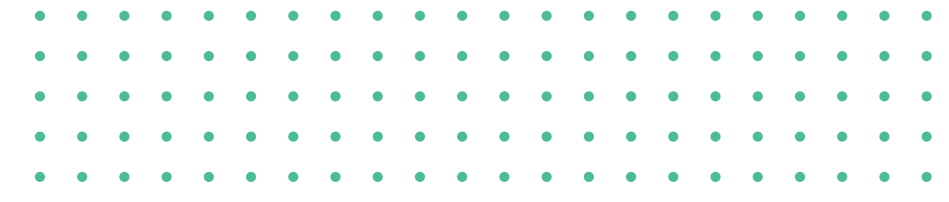
Research

Prototyping

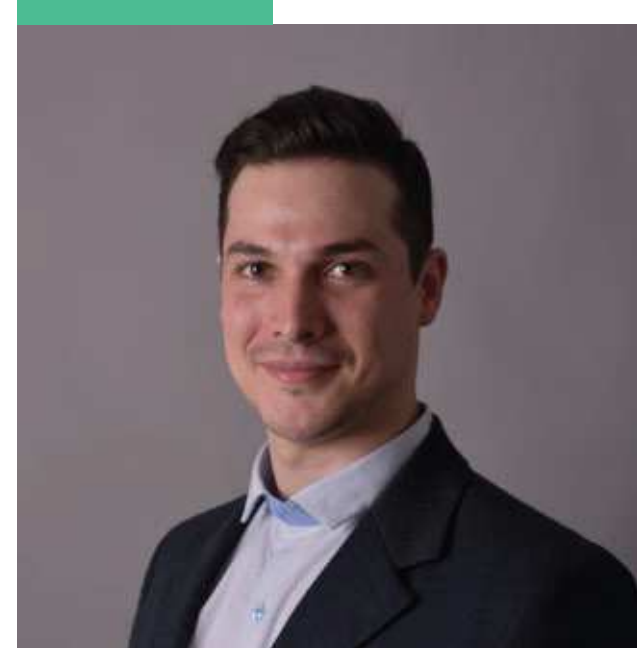
Developing & Manufacturing

Product

Team 



Founders



Juan Francisco Llamazares Vegh

- Production
- Research
- Development



Federico D'alvia Vegh

- Marketing
- Sales
- Logistics

First Employees



Verónica Bergottini

- Quality
- Control



Ignacio Pastore Benaim

- Hardware
- Development

Advisors



Matías Peire

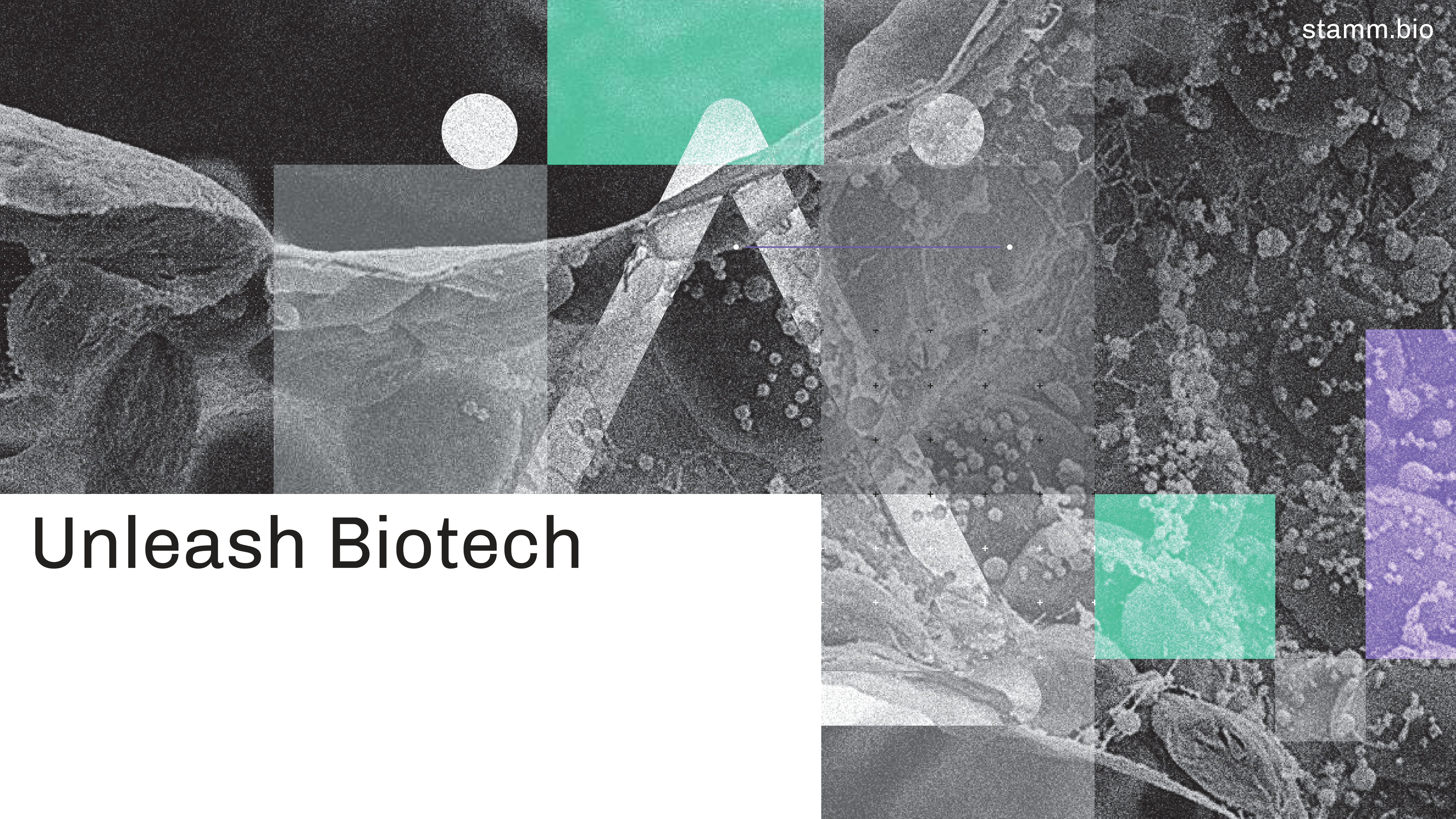
- **GridX**
- Company Builder



Adrián Mastronardi

- **Xpand Ventures**
- Seed VC

40+ collaborators



Unleash Biotech

