



**CELLINK**  
LIFE SCIENCES

**Q4 Earnings call presentation  
2020-10-22**

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# The future of medicine is here

## A unique life-science solution provider

- Net sales amounted to SEK 51,518 thousand (SEK 31,997 thousand), 61% (94%) growth, of which 57% (23%) was organic growth.
- Operating profit before depreciation (EBITDA) amounted to SEK -14,383 thousand (SEK -2,434 thousand), affected by acquisition costs totaling SEK -9,511 thousand and revaluation of receivables and liabilities in foreign currency by SEK -6,482 thousand.
- Net income amounted to SEK -14,257 thousand (SEK -1,744 thousand), which generated earnings per share of SEK -0.33 (SEK -0.05)
- Rolling 12 months' net sales from consumables amounted to SEK 19,456 thousand (SEK 11,958 thousand), an increase of 63%.
- During the quarter, the company entered into an acquisition agreement for the German precision dispensing company Scienion AG for EUR 80 million.

## Strong momentum since launch



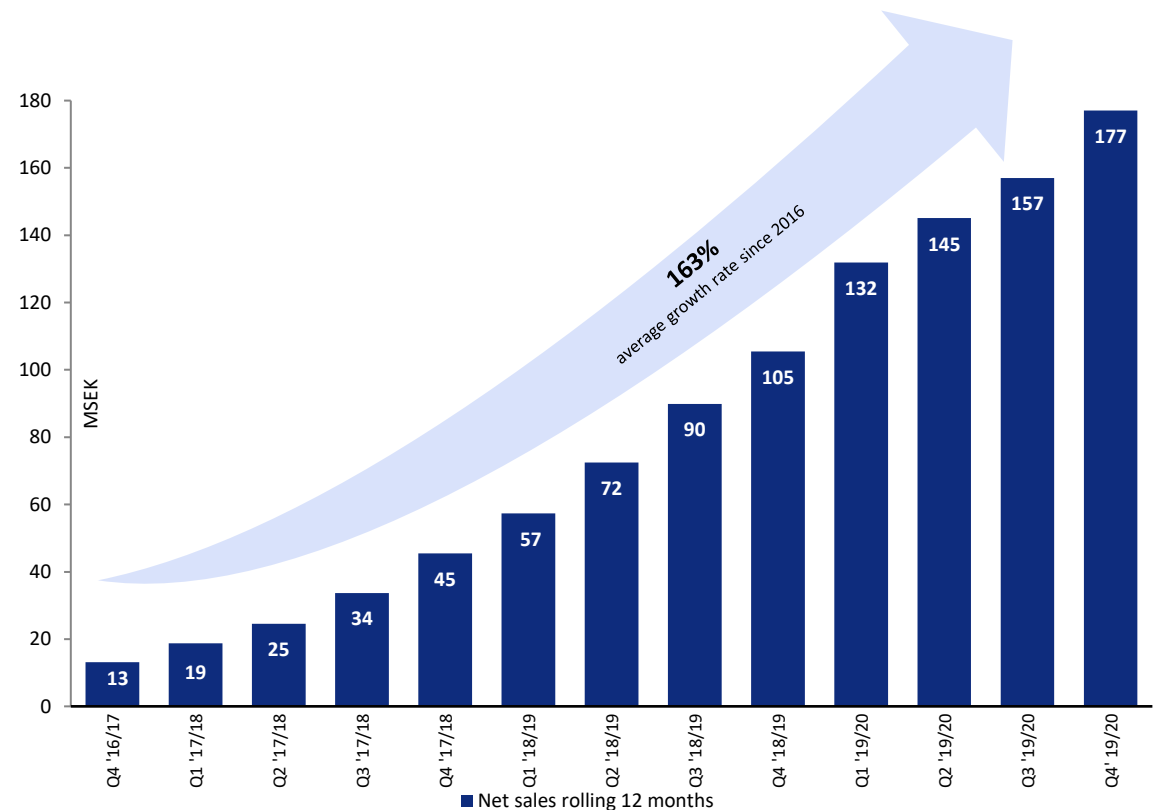
Listed on Nasdaq Stockholm (CLNK B)



Market cap: SEK ~10.5bn



~330 employees



# The Modern Healthcare Challenges



High costs and lengthy processes for drugs to reach patients. **9 out of 10 fail in clinical stages!**



A life is lost **every hour** of the day due to lack of organ transplants



Animal studies are **poor indicators** of success for human drug development

# The solution is a combination of many solutions

“These challenges obligate health systems and the bio-pharm industry to undergo drastic changes, to identify and develop precise, personalized and effective medical solutions. The attempt to contend with these challenges has given rise to a new multidisciplinary industry known as bio-convergence that is based on connecting various technologies from the fields of biology and engineering. This industry is expected to form the future base of medicine and to reshape the global health industry.4”

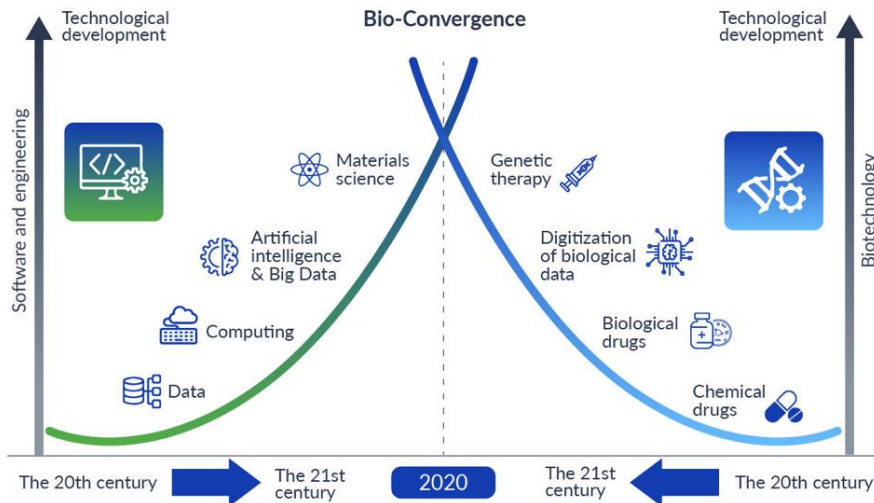
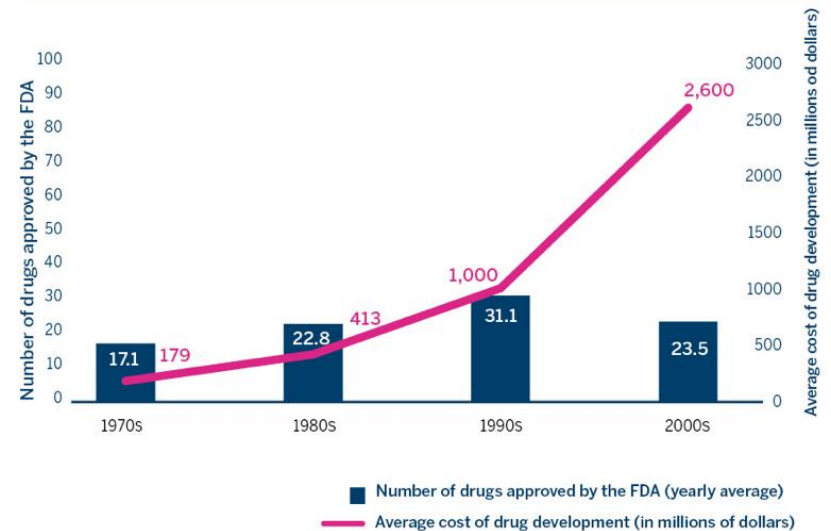


Figure 6.2: Development Cost of Drugs vis-à-vis Their Authorization in the US



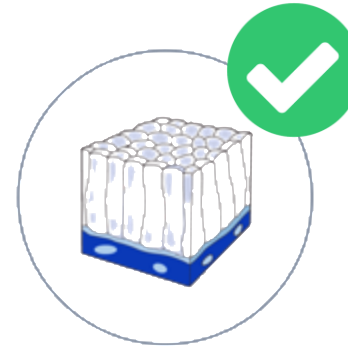
# The solution is found in bio-convergence



Drug discovery



3D Cell culturing



Regenerative medicine  
- tissue printing



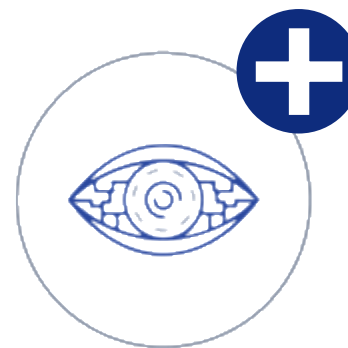
CRISPR & gene editing



Diagnostics and  
biological sensors



Single Cell Omics



Bioelectronics



Biopharmaceuticals

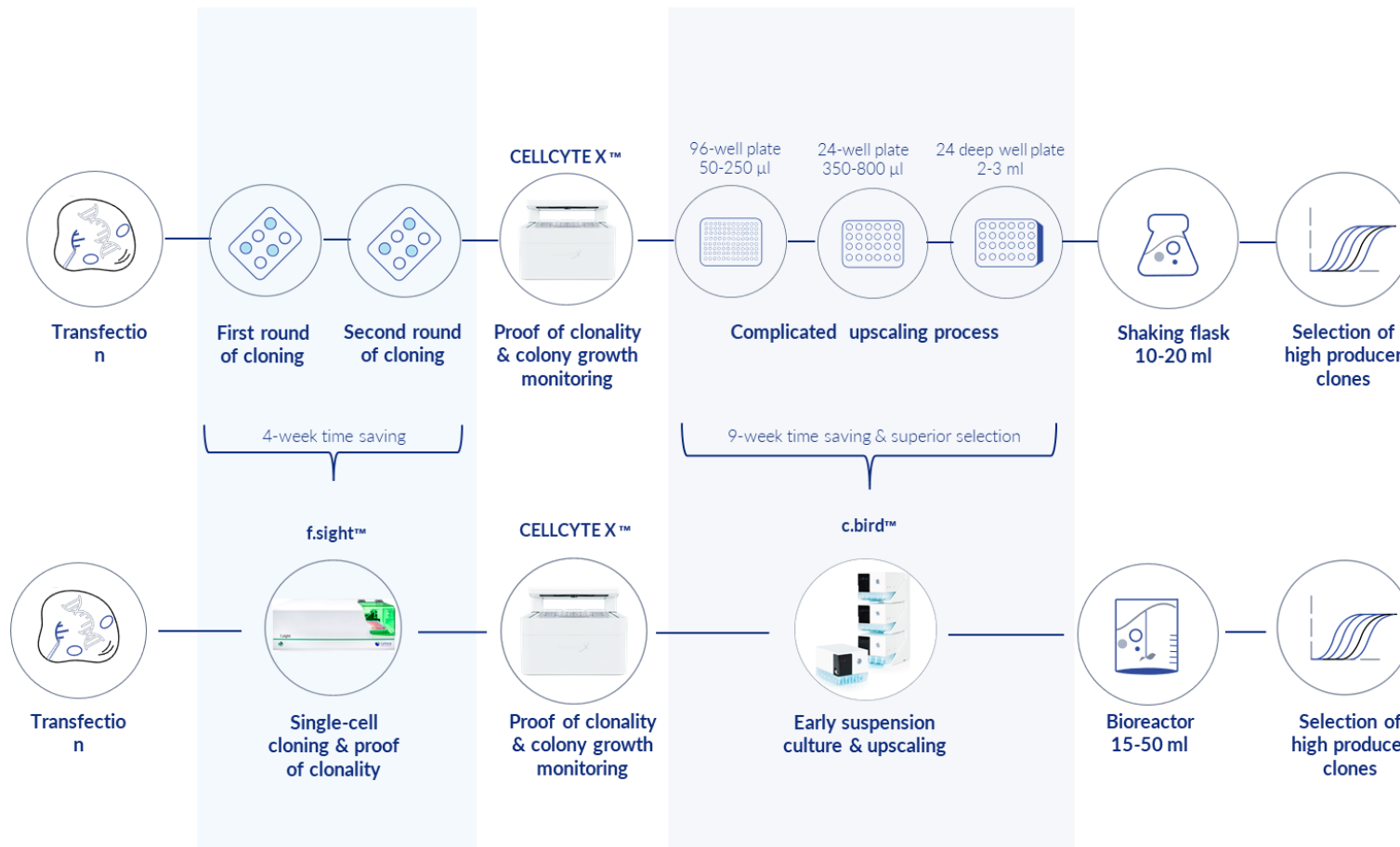
# The Bio-Convergence Company



CELLINK is creating the future of medicine by providing technologies, products, and services to create, understand, and master biology

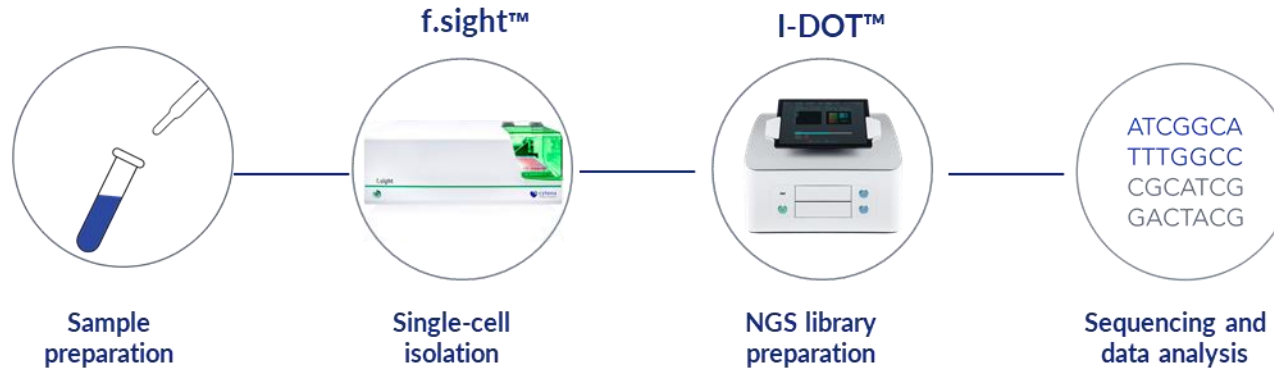


# Optimized Cell Line Development workflow

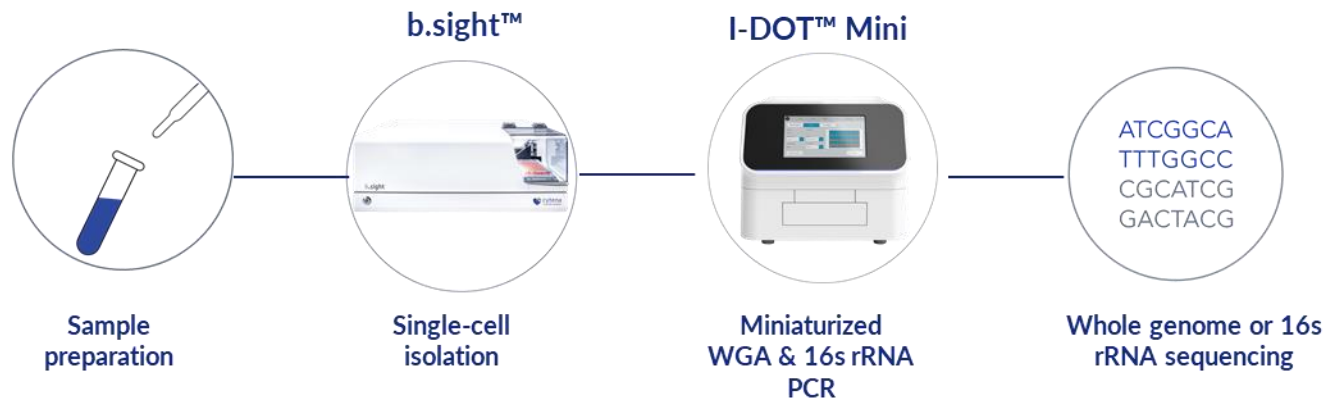




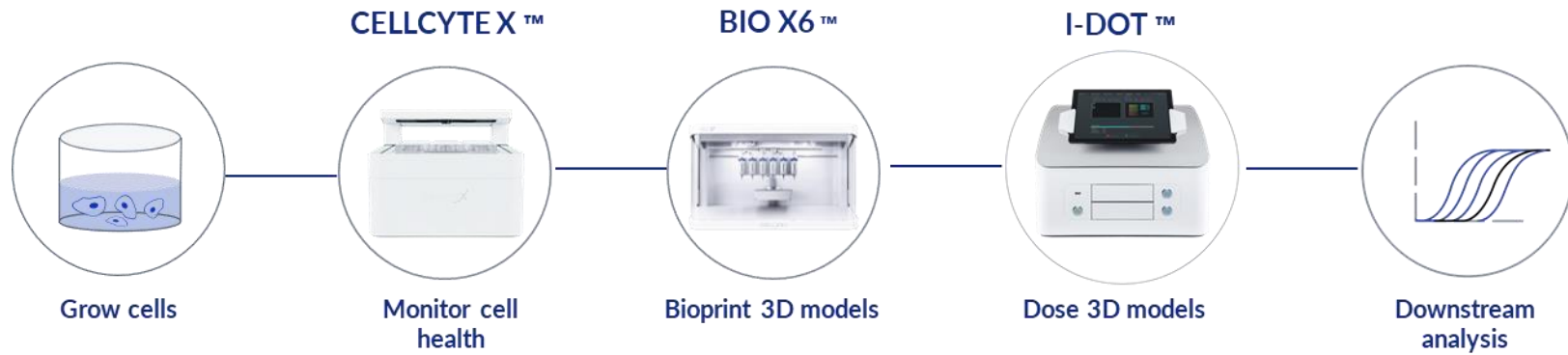
# Our platform for plate-based single-cell omics workflows



## Single-cell genome sequencing



# Fabrication and analysis of tissue models



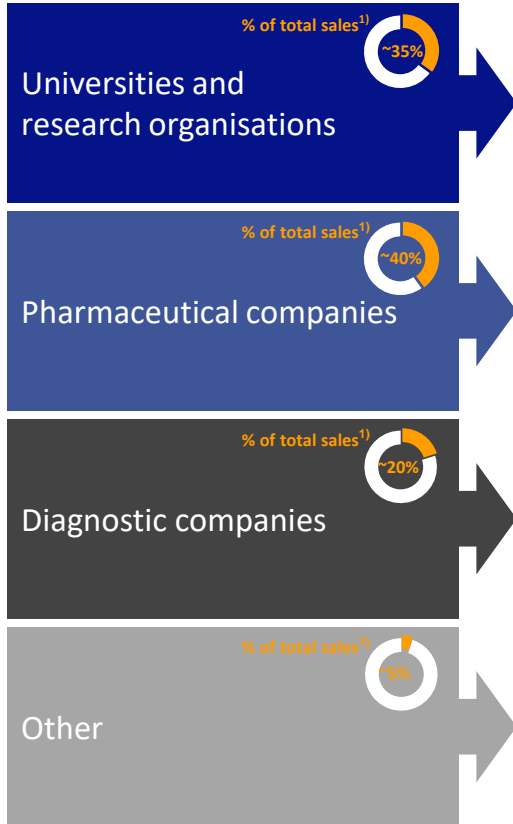
# Market size



Note: 1) USD 1.9 billion in 2018 growing at a CAGR of 8.9% over the forecast period between 2018-2023, 2) USD 1.4 billion in 2016 growing at a CAGR of 17.3% over the forecast period between 2017-2025, 3) USD 2.65 billion in 2017 at a CAGR of 7.2% over the forecast period between 2017-2022. Source: BCC Research 2019 (Current Bioprinting Prospects and Future Innovations), MarketsandMarkets (2019 Cell Culture Market by Product, Live Cell Imaging Market by Product, Liquid Handling System Market by Type), Market Study Report 2019 (Global 3D Cell Culture Market Growth 2019-2024), Grand View Research (Single Cell Analysis by Application).

# Diversified customer base

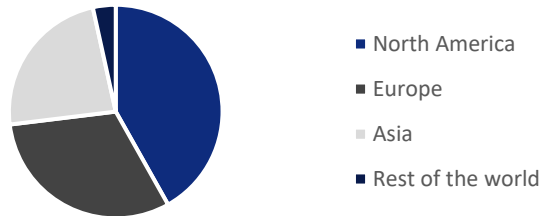
## Customer group



## Main application areas

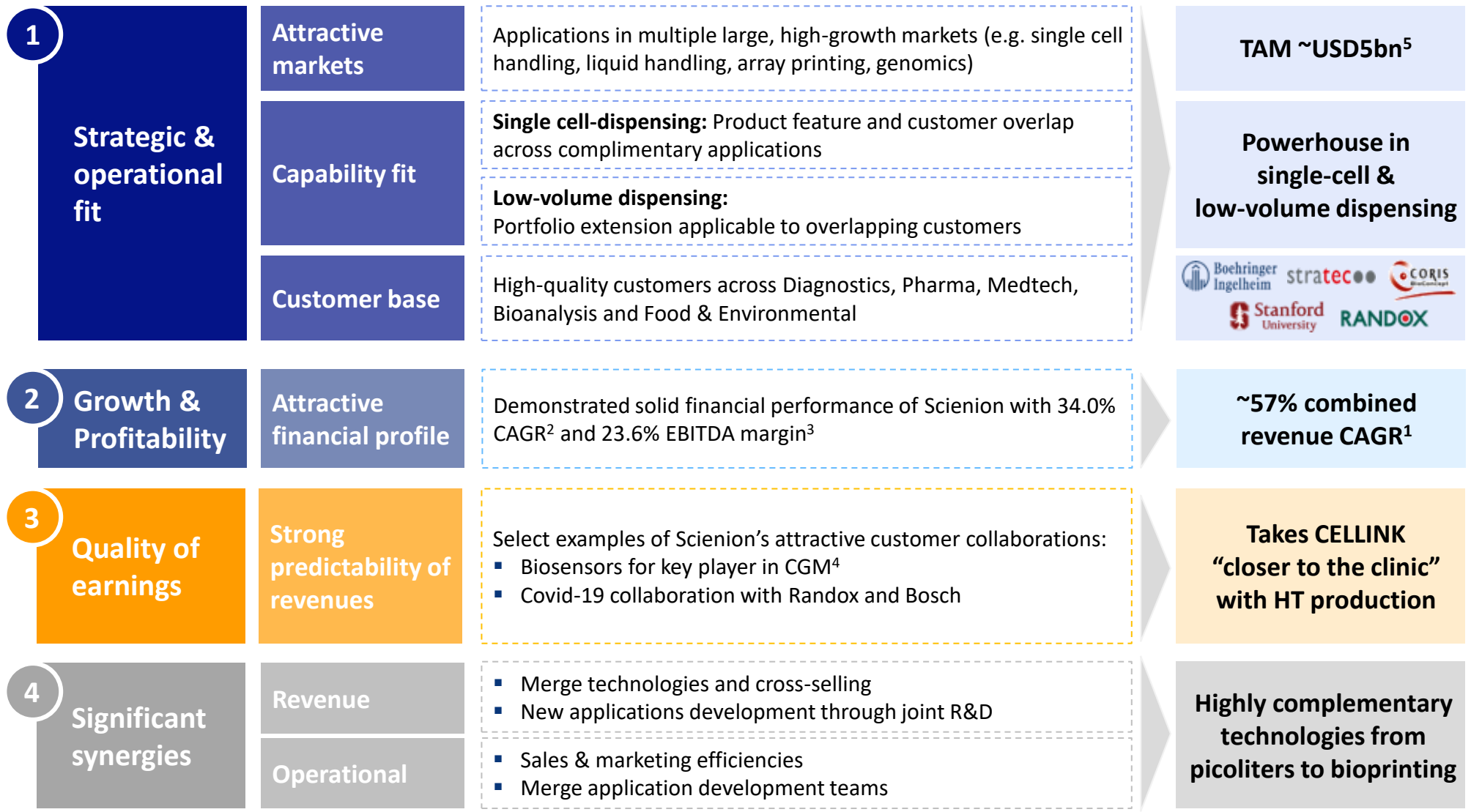
- Universities and research organisations**
  - Human implants (e.g. bone), biomaterials research, cell biology, Single cell Omics, teaching etc.
  - Exploratory research that, if successful, will convert to clinical applications
  - ~600 institutions in 55 countries<sup>1)</sup>
- Pharmaceutical companies**
  - Cancer research, biopharmaceuticals, drug development, gene therapy and tissue culture and engineering
  - Over 50 customers with about majority of top 20 pharma's as customers<sup>1)</sup>
  - Early stage; segment revenue is expected to grow rapidly in the next 3 years
- Diagnostic companies**
  - Cancer research, biopharmaceuticals, drug development, gene therapy and tissue culture and engineering
  - Long relationships and contracts with many of the larger actors in the field
  - Established; segment revenue is expected to grow steadily
- Other**
  - Wide range of application areas (e.g. packing solutions, car materials, skin tissues and transplants)
  - Large potential in the next 5-10 years

## Selected customers



Note: 1) Estimates on new group.

# CELLINK's transformational combination with Scienion creates a global leader in Single Cell handling and precision dispensing



Source: Information provided by Scienion and CELLINK management analysis

1) Combined CAGR based on CELLINK 2Q LTM financials for the respective year (e.g. March 2019 - February 2020 for 2019A)

2) 2017-2019A (Scienion)

3) 2019A (Scienion)

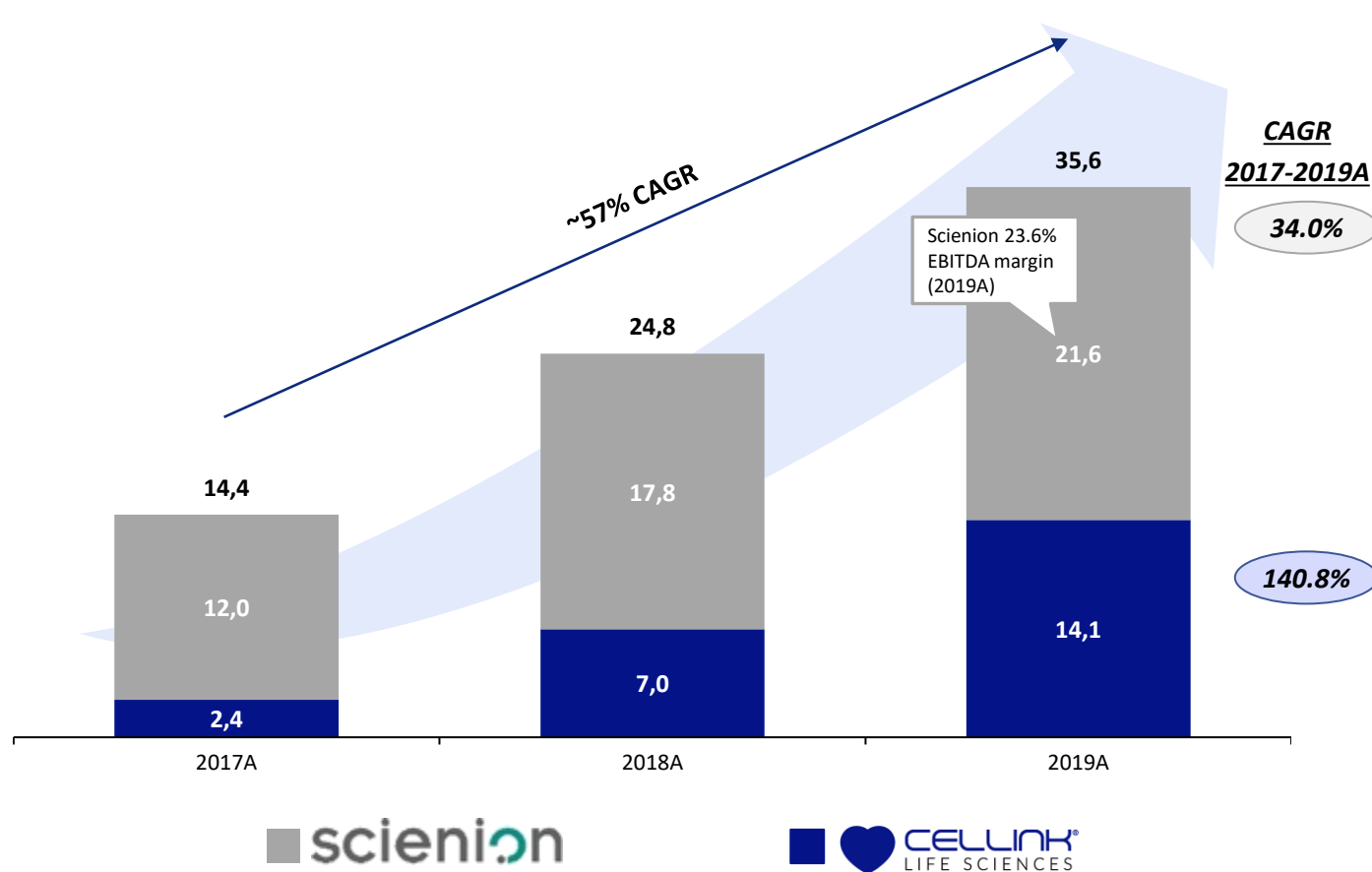
4) Continuous Glucose Monitoring

5) 2019 total addressable market for single cell analysis and liquid handling systems

# Exciting combined financial profile from Acquisition

## Combined historical revenue development (EURm)<sup>1</sup>

Cellink net sales based on 2Q LTM for the respective year (e.g. LTM Feb-2020 for 2019A)



## Comments

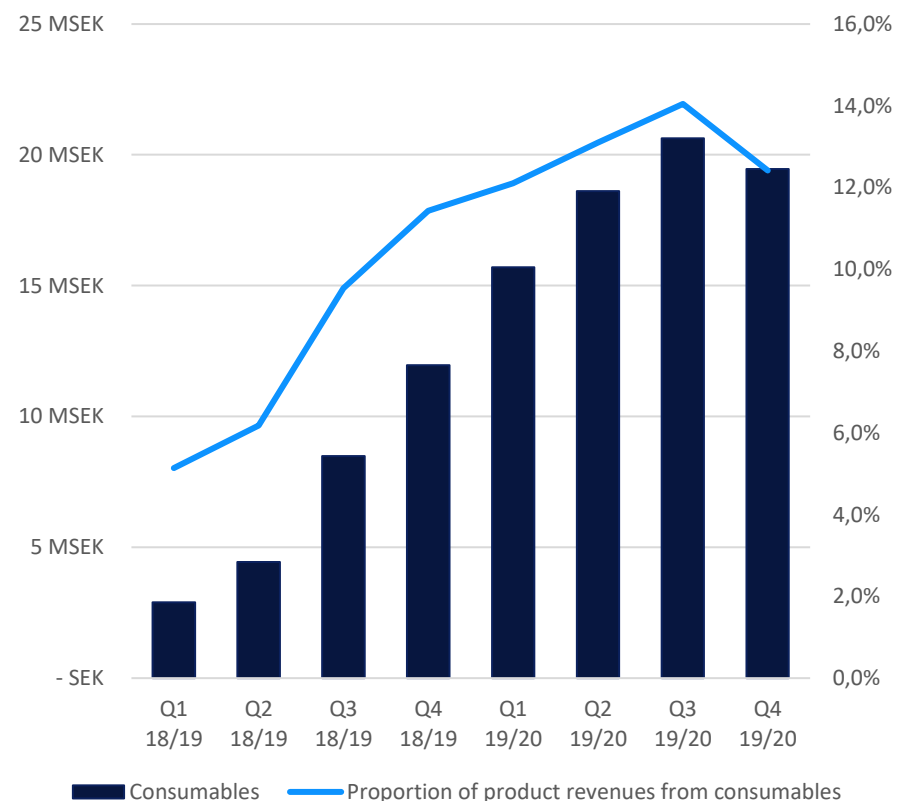
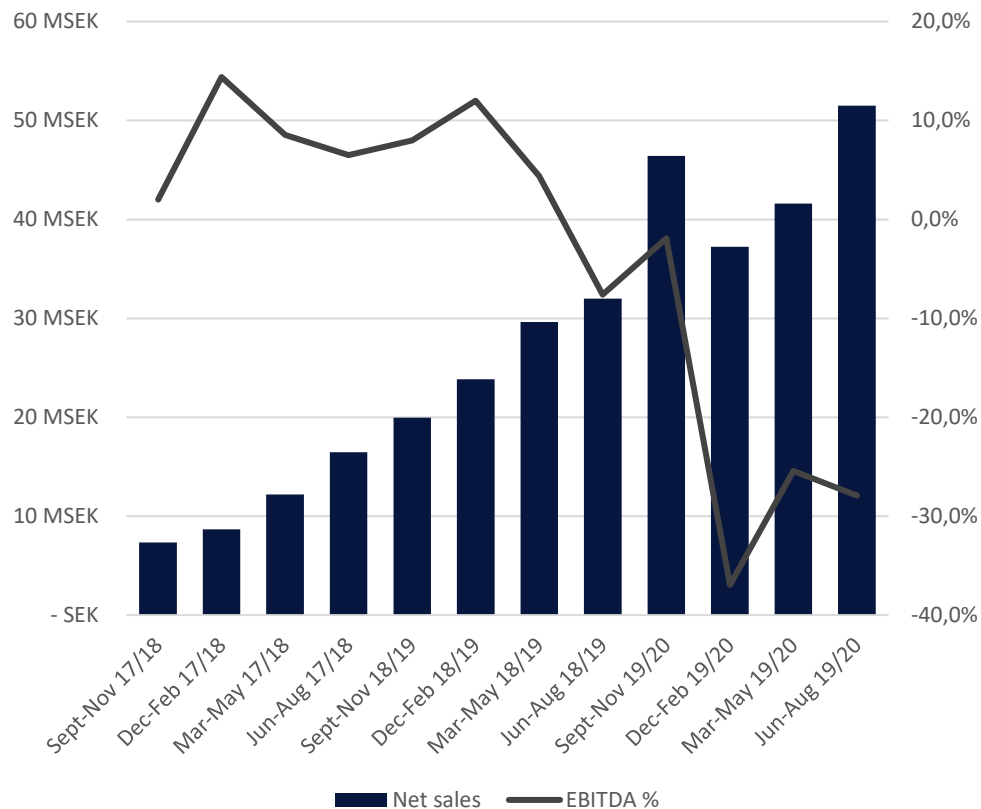
- Combined growth profile of 57% CAGR over the past three years
  - Scienion's strong revenue development of 34.0% CAGR 2017-2019A mainly driven by products of S series and Cellen One
- Combined platform offer the opportunity to continue the growth profile in the medium term
- Due to the Covid-19 pandemic, while pro-forma revenue growth is expected for the full year the growth rate is likely to be temporarily and negatively impacted compared to 2019
  - A large portion of the existing pro-forma customer base is directly or indirectly government backed (universities, research groups), mitigating the impact of the Covid-19 pandemic

Source: Information provided by Scienion and CELLINK management analysis

Note:

1) CELLINK financials based on 2Q LTM net sales (i.e. March 2019 - February 2020 for 2019A) and Scienion financials as of December Fiscal Year End; applied SEK to EUR exchange rate of 0.0970 as of 7<sup>th</sup> August 2020

# Metrics – Q4



# Clear strategy for further growth

## Organic growth initiatives

- 1 Continued focus on R&D and innovation to improve customer value proposition by new products and service offering
- 2 Scale-up organisation to meet increased global demand and position CELLINK as the technology leader within Bioconvergence
- 3 Expand global sales team in U.S., Asia and Europe

## Strategic M&A agenda

- Pursue selective acquisitions with complementing businesses to strengthen market position and enter new markets
- Acquisitions will be strategic, with proven business models and products with demonstrated revenues and profits, or a clear and short way to profit
  - ➔ Acquisitions can be financed through a combination of new shares and cash
- The screening process is conducted through conferences and customer visits within the three application areas

## Investment rationale for recent acquisition



- ✓ Natural part of the research flow and strong presence in pharma (90% of customer base)
- ✓ Products that can be combined both with CELLINK and Dispendix in the work flow
- ✓ ~30 MEUR transaction, 60% in shares, projected revenues of EUR 4.5m 2019 and EBITDA margin of 40%



- ✓ Adding the scale up capabilities for costumers
- ✓ Strengthening our position in Single cell handling
- ✓ ~80 MEUR transaction, 50% in shares, revenues of EUR 22m 2019 and EBITDA margin of 25%



- ✓ Part of the bioprinting and drug development screening process
- ✓ Cross-sales and increased customer value
- ✓ 5 MEUR transaction, 60% in shares, projected revenues of EUR 1.7m 2019





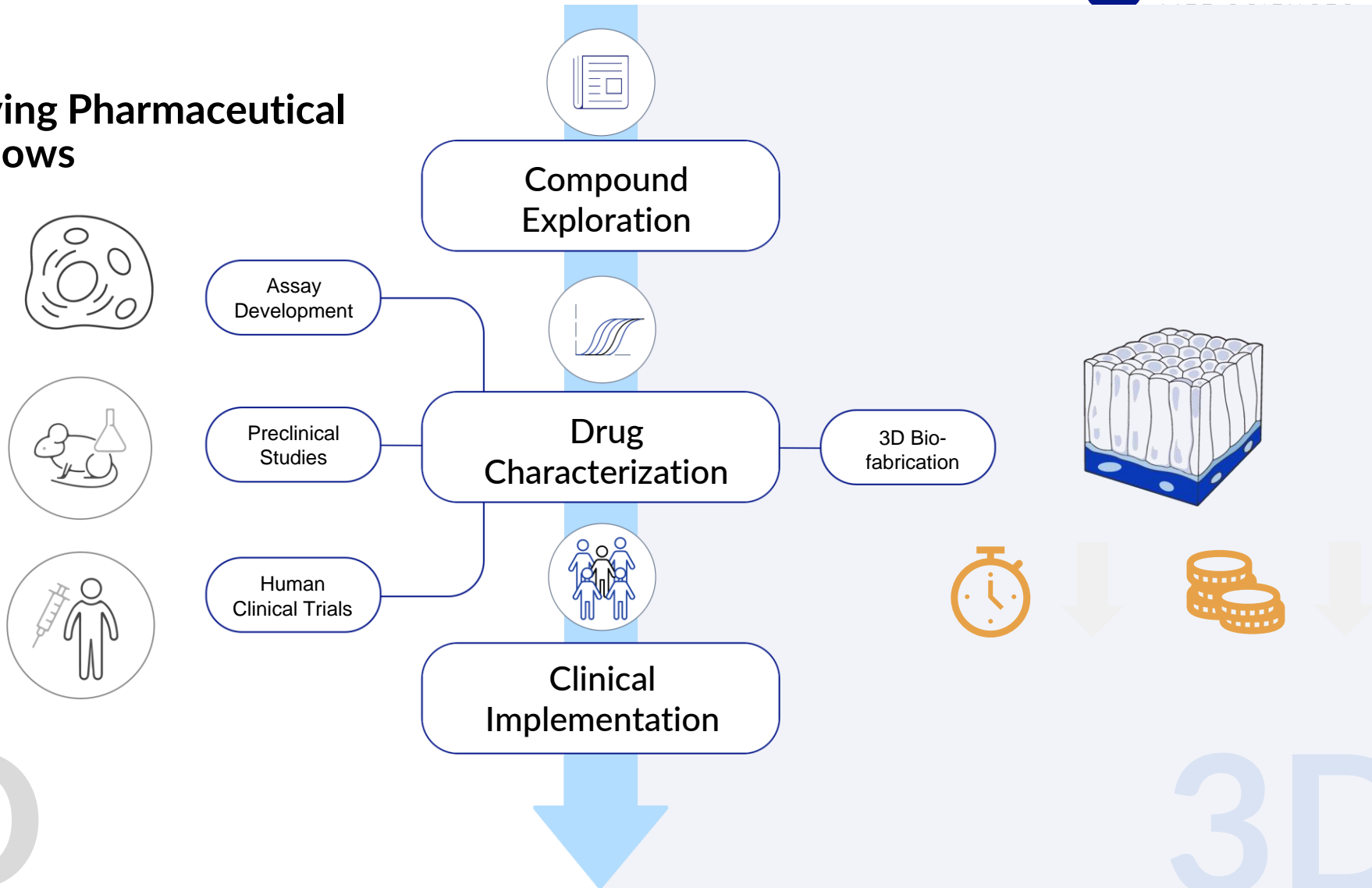
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**APPENDIX**



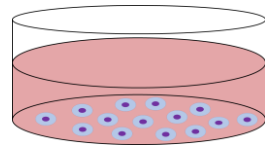
# Improving Pharmaceutical Workflows



2D

3D

# The 3D Revolution

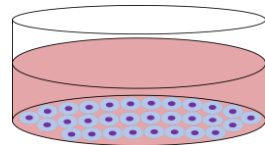


Culture cells in dish



Poor intercellular communication

Negative influence from substrate



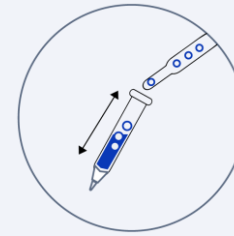
Grow cells



2D cell sheet

# 2D

Embed cells



Incubate



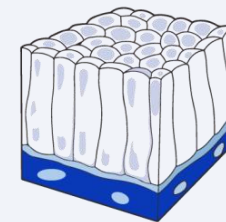
Bioprint



Physiologically relevant

More information

Analyze

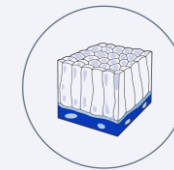
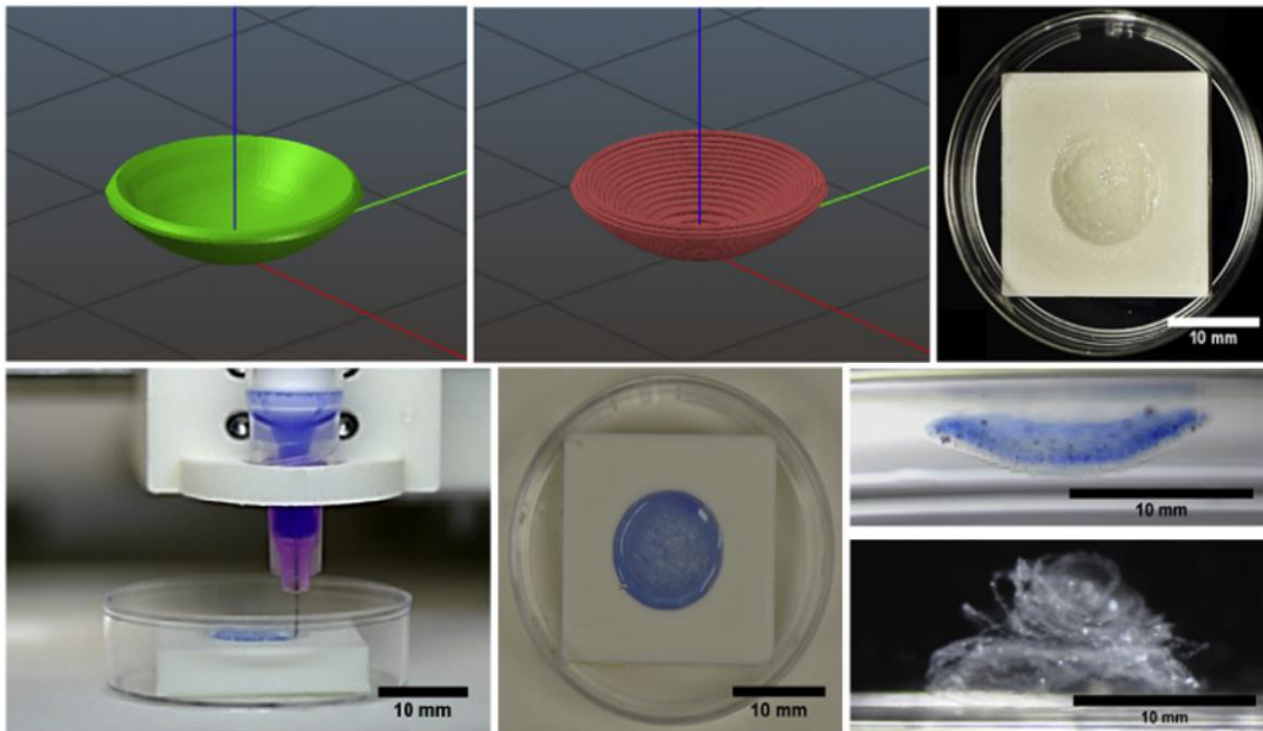


Improved models

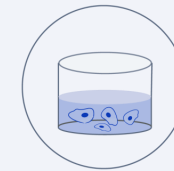
# 3D

# 3D bioprinting of a corneal stroma equivalent

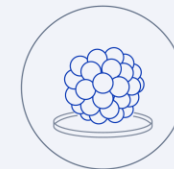
<https://doi.org/10.1016/j.exer.2018.05.010>



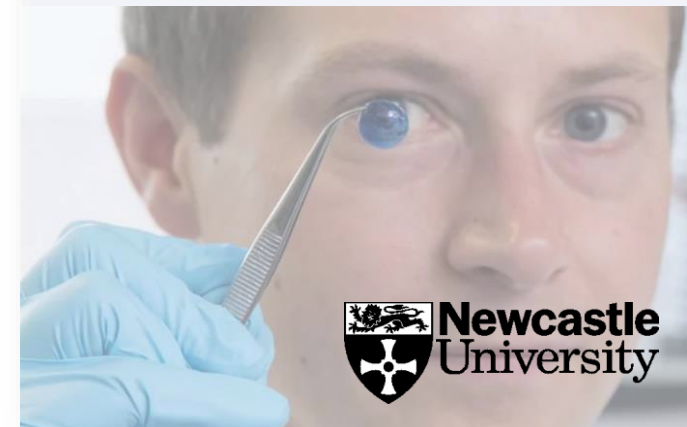
Rational design of human tissue with CELLINK



Printed into CELLINK Plurionics bed to allow 3D growth

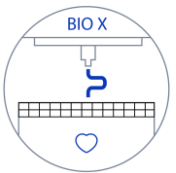


Collagen patterns mirrored living tissue



# Printing Vascularized Perfusable Skin

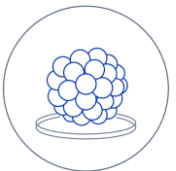
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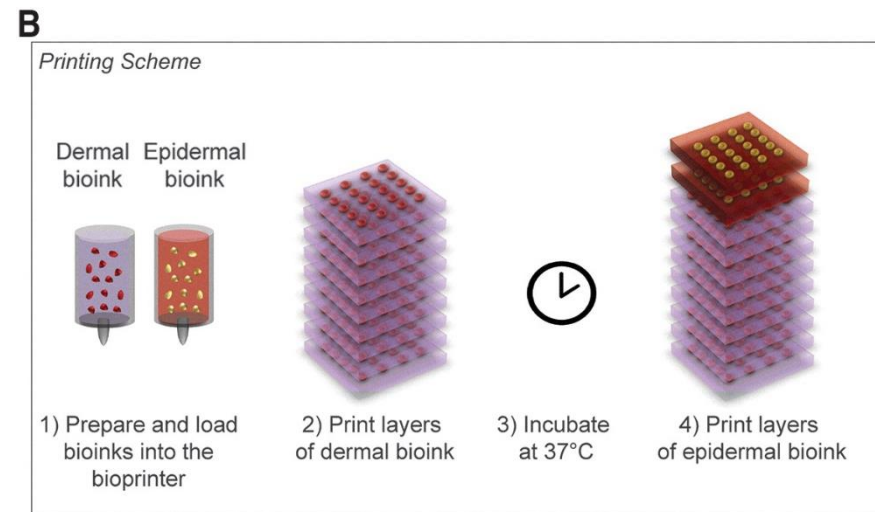
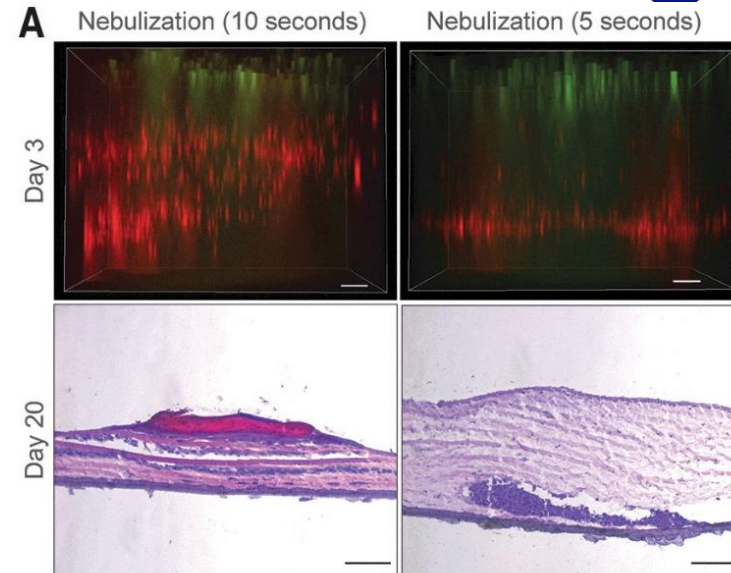
Vascularized skin models developed on the BIO X.



Leveraged a cooled printhead to print out a novel bioink.

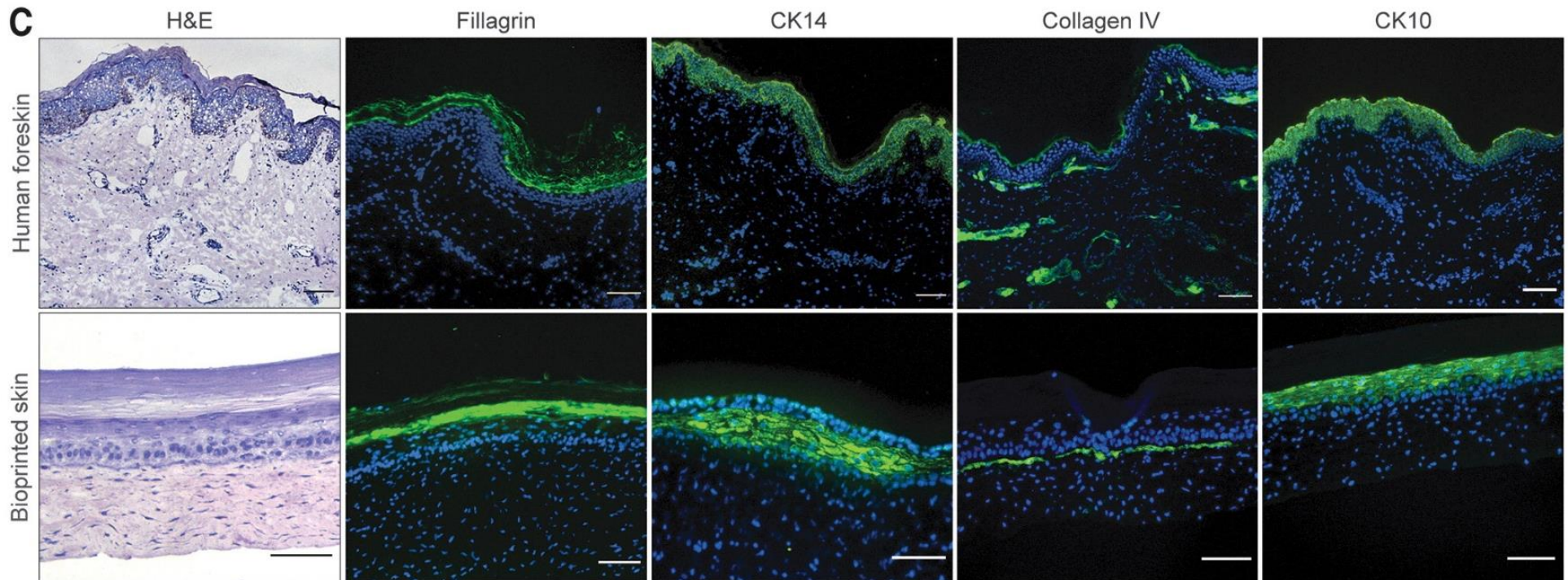


Potential to overcome the limitations of graft survival.



# Printing Vascularized Perfusable Skin

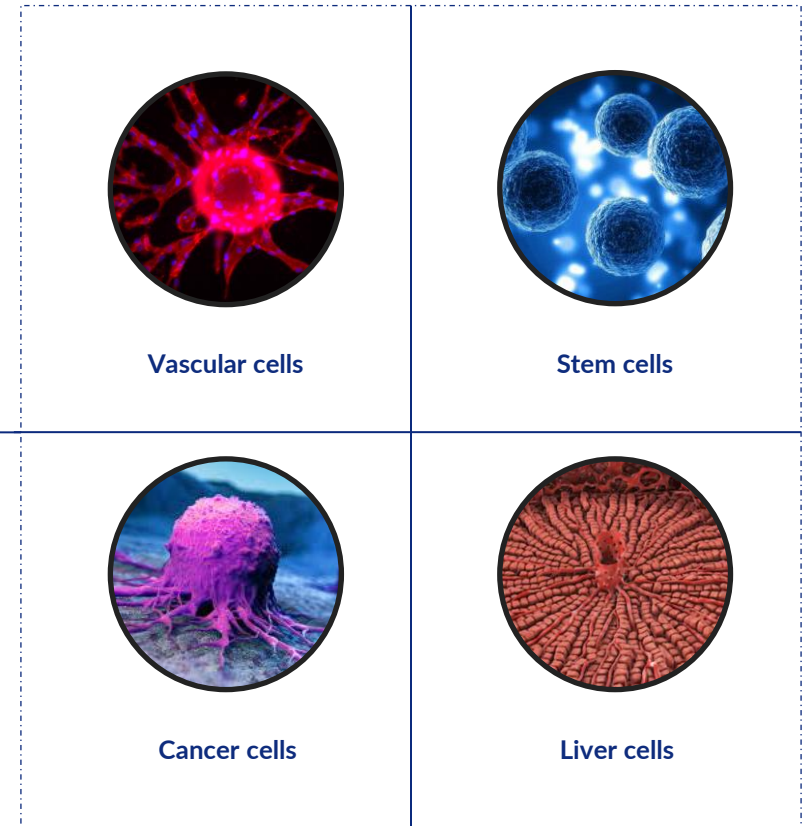
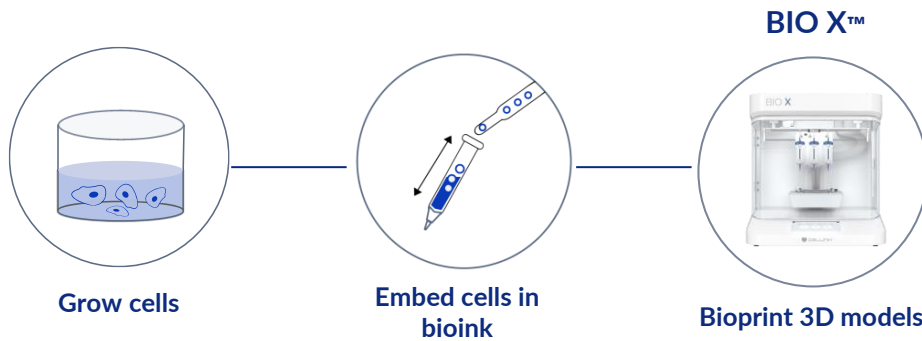
<https://doi.org/10.1089/ten.tea.2019.0201>



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# Comparing 2D to 3D Cell Culture

*In house study observed multiple cell types in 2D and 3D to qualitatively demonstrate the benefits of 3D.*

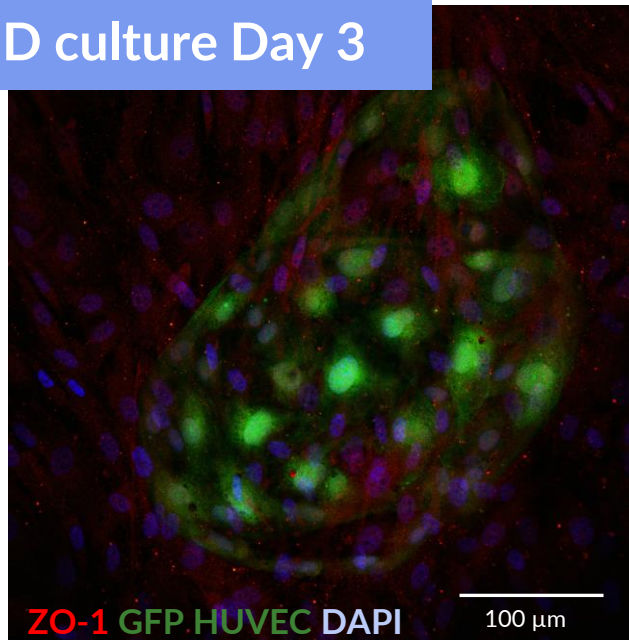


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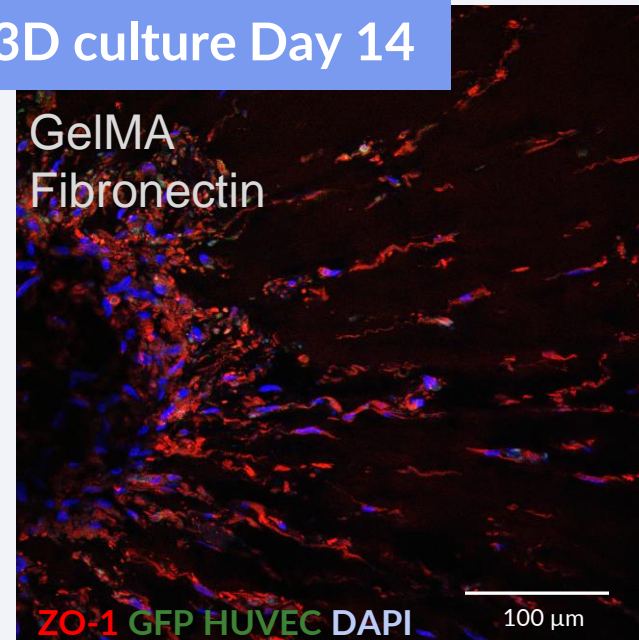
# A 3D environment is crucial for the development of complex structures and the network formation of HUVECs.

*Sprouting of HUVECs can only be seen in 3D culture and not in 2D.*

2D culture Day 3



3D culture Day 14

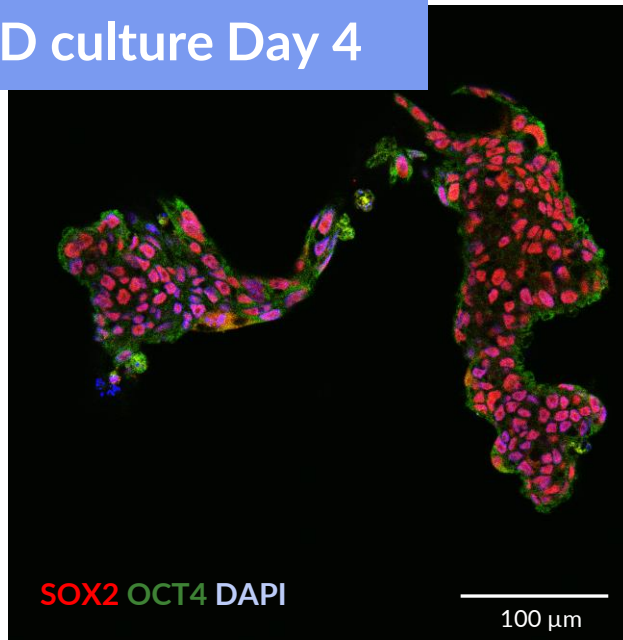




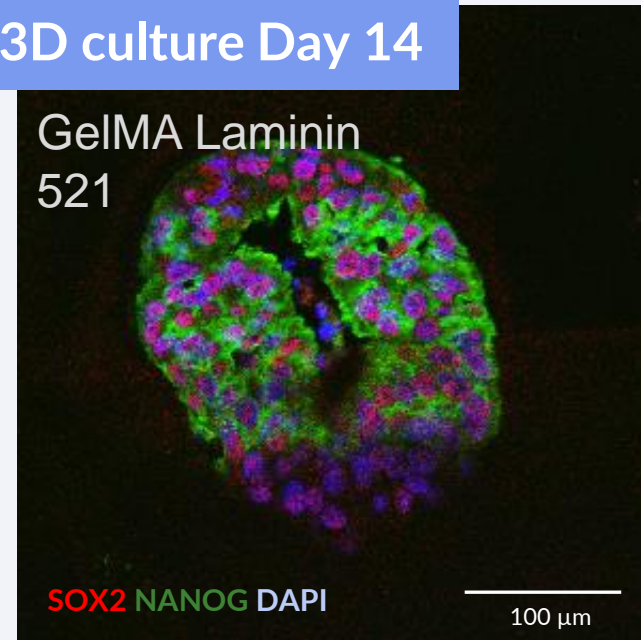
# Stem cells retain their pluripotency in 3D cultures

*iPSCs stains for Pluripotency Markers OCT4, SOX2 and NANOG in 3D Cultures after 7 days.*

2D culture Day 4



3D culture Day 14



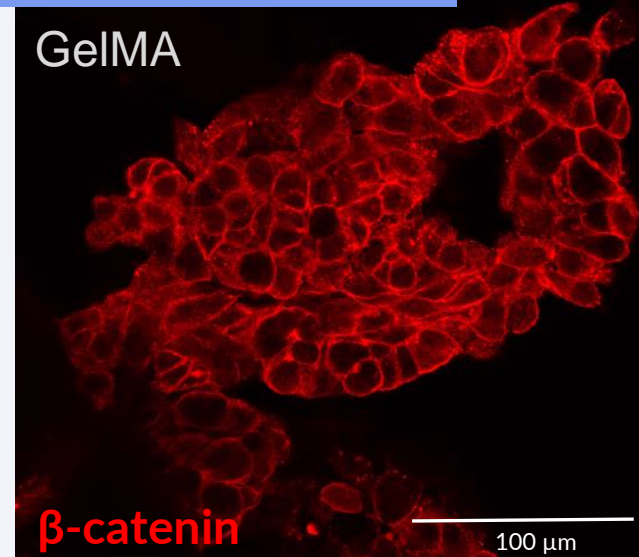
## Lung cancer marker in 3D cultures resembles the *in vivo* like expression

*Specific Cell Marker  $\beta$ -Catenin Show More Relevant Staining in 3D Models with A549 Lung Adenocarcinoma Cells.*

2D culture Day 4



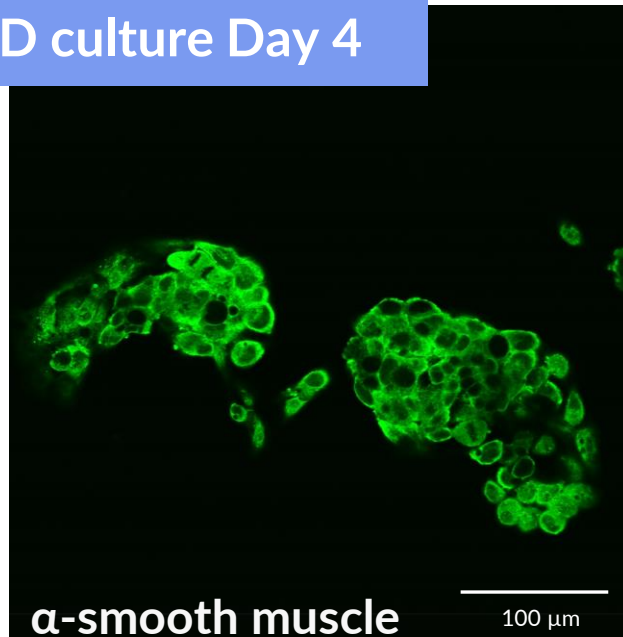
3D culture Day 14



# Rearrangement of liver cells to a more organotypic phenotype

*HepG2 Rearrangement and Organotypic Phenotype in 3D culture.*

2D culture Day 4



$\alpha$ -smooth muscle

100  $\mu$ m

actin

3D culture Day 14



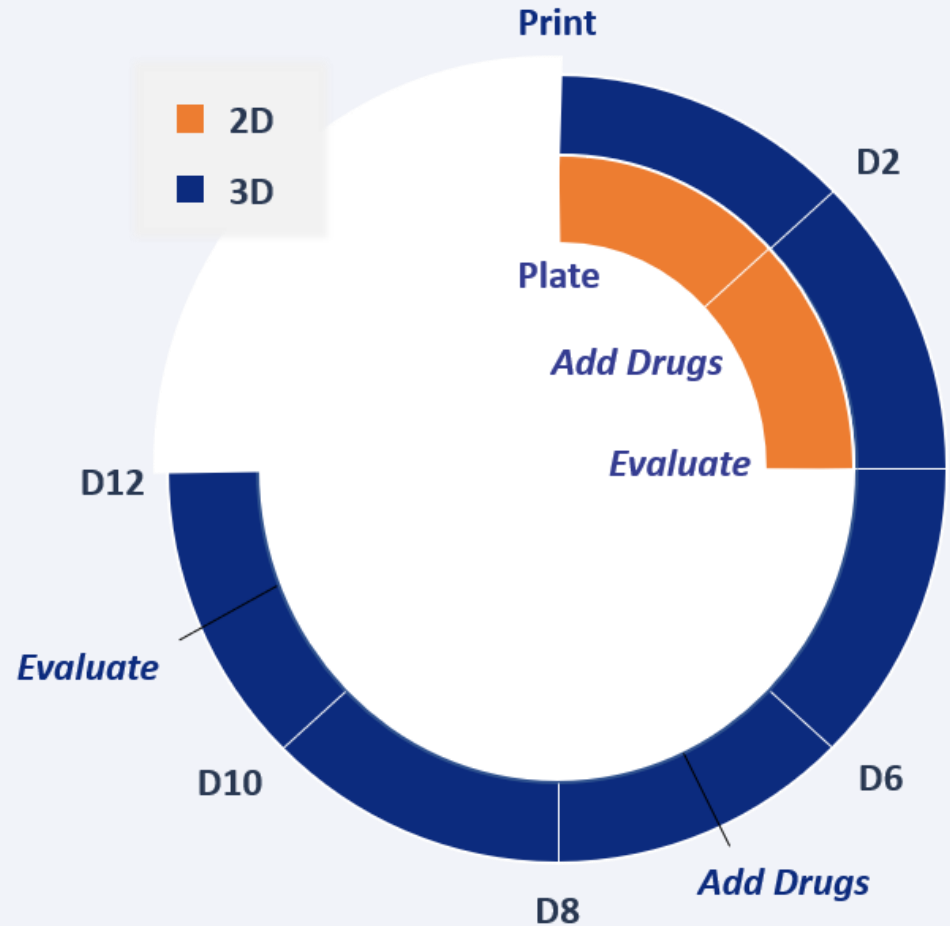
Coll 1

$\alpha$ -smooth muscle

100  $\mu$ m

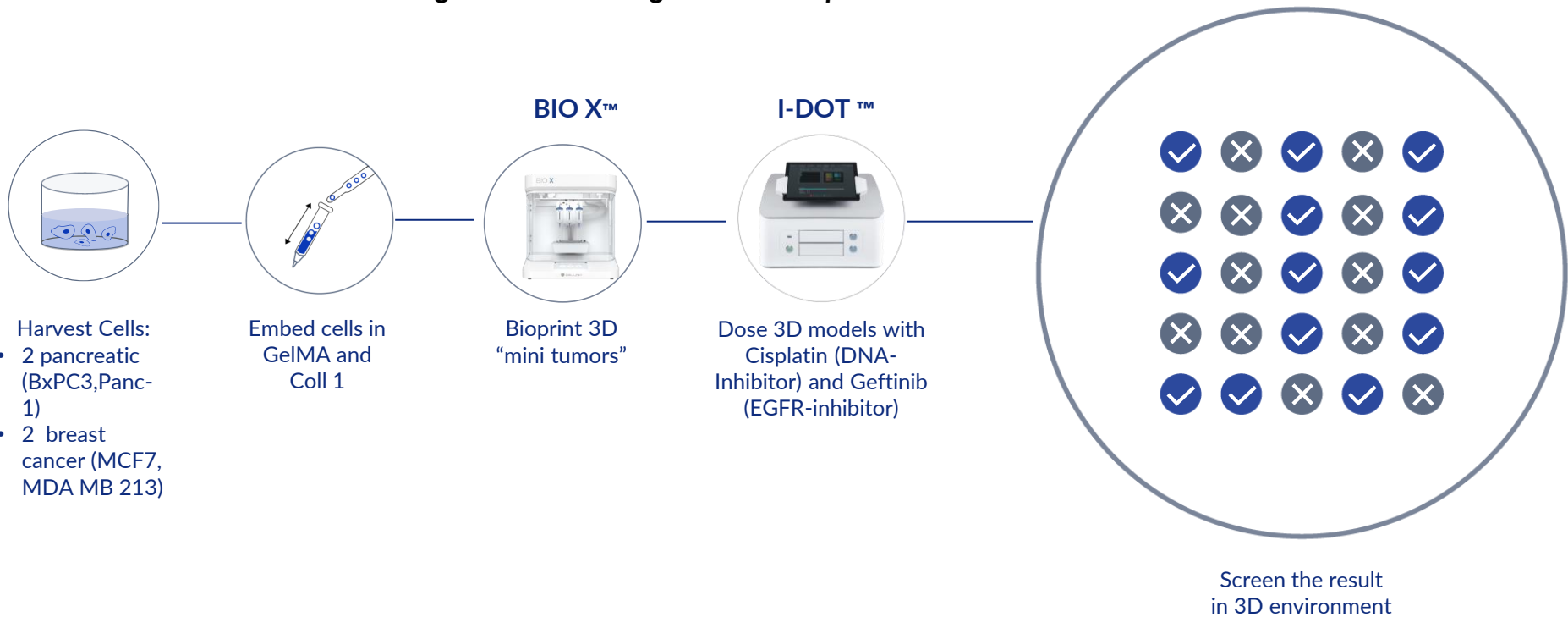
actin

# Comparing Cancer Drug Efficacy in 2D vs 3D



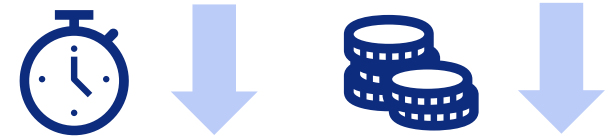
# 3D tumor models better recapitulate the tumor microenvironment.

*Bioprinting opens the door to improved drug testing workflows. 3D models provide more physiologically relevant interactions and enable longer culture leading to more comprehensive results.*

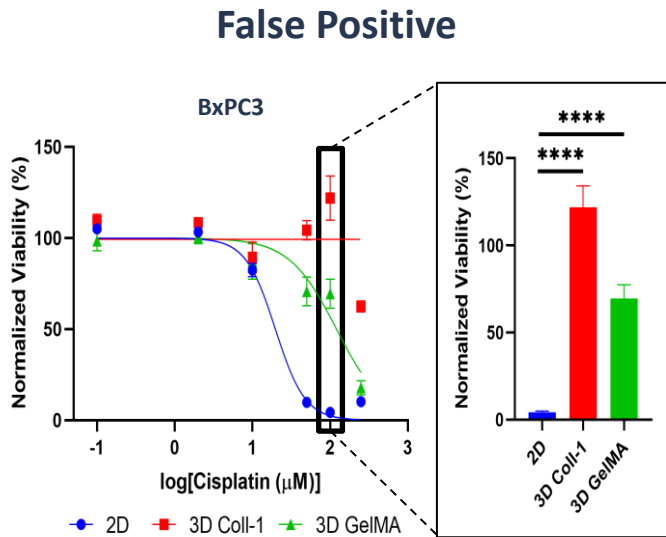


# Avoid false results due to 2D screening

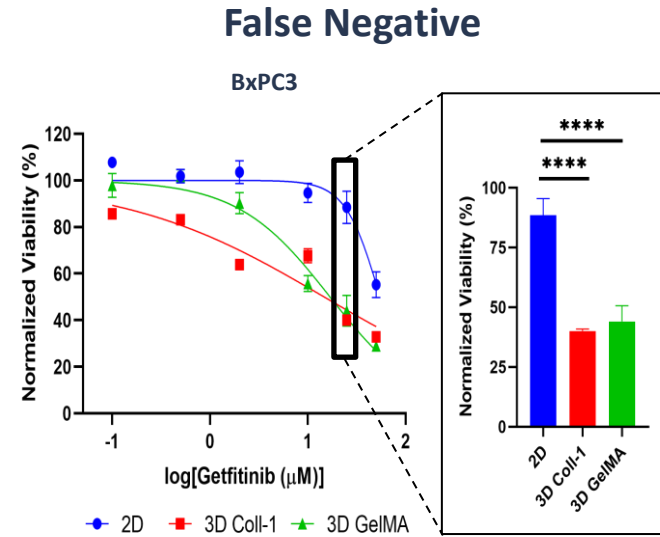
With improved 3D models like the mini tumors minimize the risk of false positives and negatives.



CISPLATIN

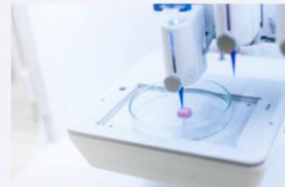


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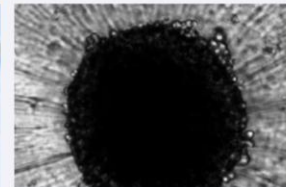
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Bioprinted Mini Livers**

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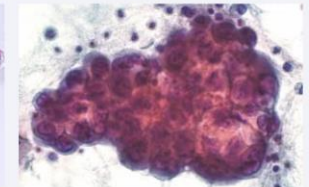
**Tumor Spheroid Formation  
Using the I-DOT**

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**Comparing Drug Response  
in 2D Cultures and 3D  
Bioprinted Tumoroids**

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**3D Bioprinted Tumor Model  
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