



# **ADOCIA Presentation**

September 2025

### Forward-looking statements



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### Adocia at glance

Mission: to develop innovative peptide formulations for diabetes and obesity treatment **Business model: Licensing-out** our products and technologies after proof of concept 2 partners: Tonghua Dongbao (BC Lispro, licensed for Asia) & Sanofi (exclusive option on M1Pram - ongoing discussions) Assets: 3 clinical stage specialty products (Ph. 1 to 3) and 4 proprietary technology platforms, supporting a balanced pipeline Leading a team of 80 experts, including 35 PhDs/MDs/PharmDs, based in Lyon, France

### Management Team



Olivier Soula PhD, MBA

### CEO Co-founder

- 25+ years experience in the field of innovative insulin formulations
- Previously Director of Research and Development at Adocia, Deputy Chief Executive Officer and then, Chief Executive Officer since 2023
- Co-author of 40+ patents
- Previous companies:





# Mathieu-William Gilbert

### Chief Financial Officer Chief Operating Officer

- 20 years experience in pharma -P&L leadership, Finance and Global Commercial
- Previously held positions at Novo Nordisk as VP & General Manager for six Latin American countries, CFO (Region and affiliate), Global VP Strategic Projects
- Previous companies:



sanofi *KPING* 



You Ping Chan PhD, MBA

Head of R&D - CMC

- 30+ years experience in therapeutic peptide formulation, incl. several senior management positions at Flamel Technologies (now Avadel)
- 50 patents
- Previous companies:





# Martin Gaudier PhD

# Head of R&D - Preclinical & Clinical

- 15+ years of experience in therapeutic peptide and protein development
- 10+ years of experience in nonclinical and clinical development of insulins and metabolic disease treatment



Jérémy Benattar PharmD, Eng

### Head of Business Strategy

- 20 years experience in pharma in sales, marketing and corporate strategy
- Previous companies:













### Diabetes and Obesity: significant unmet needs in peptide-based therapies

#### THE METABOLIC DISEASES MARKET



Diabetes: 537 million<sup>1</sup>



Obesity: 1.9 billion<sup>2</sup>

#### THE ROOT CAUSE

Peptides dysregulation



Insulin Amylin GLP-1

Glucagon

• • •

#### **CURRENT SOLUTIONS**

Peptide Replacement Therapies

- Efficient
- Safe

Delivery
Challenges

#### **CURRENT CHALLENGES**

Peptides are ephemeral by essence



Life-long treatment
Injectables only
Fragile & Short-acting
Industrial complexity

#### **OUR SOLUTION**



Expert in innovative peptide delivery

#### STRATEGIC IMPACT

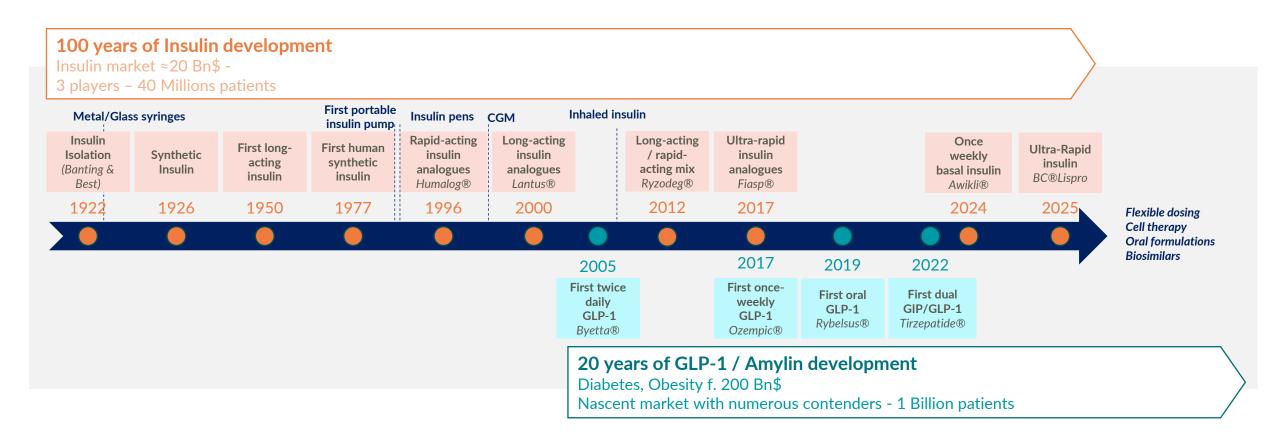


Deliver a therapeutic revolution to mass population

<sup>1.</sup> IDF Atlas, 10th Edition, 2021

<sup>2.</sup> Overweight and Obesity, WHO

# Value creation in the GLP-1 field mirrors the century-long evolution seen with insulin: delivery is at the core



Capitalizing on its insulin track record, Adocia is best positioned to innovate in the delivery of GLP-1

## 3 key proprietary platforms designed to unleash peptide-delivery in chronic diseases



Formulation and co-formulation of peptides

- ✓ Stabilizing or combining peptides
- ✓ Improving efficacy with synergistic Mechanisms of Action



Oral delivery of peptides

- ✓ Avoiding injections
- ✓ Facilitating industrialization



- Potential functional cure for Type 1
   Diabetes with islets transplantation
- Protecting peptide-secreting cells against immune system
- ✓ Ensuring retrievability

# A diversified specialty products pipeline, with strong partnerships and a close-to-market asset

	Targeted Indications	Preclinic	Phase 1	Phase 2	Phase 3	Regulatory	Status / Upcoming milestones P	artner
<b>BioChaperone</b> <sup>®</sup> <b>Lispro</b> Ultra-Rapid Insulin	DIABETES						<ul> <li>Positive Topline results of Ph 3 on T2D</li> <li>T1D results expected Q4 2025</li> <li>\$20m at Marketing Approval in China</li> <li>Double-Digit Royalties</li> </ul>	L東宝 Dong Bao Group
M1Pram Insulin-pramlintide combination	OBESITY in DIABETES						<ul> <li>Exclusive negotiation right (€10m)</li> <li>Partnering discussions ongoing</li> <li>Phase 2b in preparation</li> </ul>	nofi
BioChaperone <sup>®</sup> GLP-1 / Amylin Combine obesity treatments	OBESITY, DIABETES						Applied to CagriSema	
<b>AdoShell<sup>®</sup></b> Peptide-secreting cells delivery	DIABETES CELL THERAPY						<ul> <li>Human islets: First In Human submission expect 2026</li> <li>Demonstrated in vivo maturation and efficacy w cell-derived islets</li> </ul>	
<b>AdOral<sup>®</sup> GLP-1</b> Oral Delivery of GLP-1	OBESITY, DIABETES, MASH						<ul><li>Animal POC with semaglutide</li><li>Feasibility study ongoing with novel API</li></ul>	
AdoGel™ GLP-1 Long-Acting Injectable of GLP-1	OBESITY, DIABETES, MASH							Å

## Upcoming inflexion points potentially transforming value

Revenues expected

### BioChaperone<sup>®</sup> Lispro

Partnership with Tonghua Dongbao in China

- → China Ph 3 results in T1D expected Q4 2025
- → Marketing Authorization in China triggering 20m\$ at MA + double digit royalties

Business Priority

BioChaperone® BC CagriSema

Combine obesity treatments

- → Partnership in discussion
- → BioChaperone, formulation platform for amylin, GLP-1 and other peptides.

Business Priority

### M1Pram

Exclusive partnership option (€10m)

- → Discussions with Sanofi
- → Ready to launch phase 2b in US (T1D and obesity) when a deal is signed

Business Priority

AdoShell®

**Technology for cell therapy** 

- → Preparation of a first in human study
- → Looking for partners



# BioChaperone® Lispro

A novel ultra-rapid insulin improving glycemic control

### July 2025: Positive Phase 3 results in T2D

BC Lispro vs. Humalog<sup>®1</sup>

### **Primary endpoint**

Non inferior HbA1c reduction at 26 weeks

### **Secondary endpoint**

Significant reduction of the rise of blood glucose after a test meal

### Other positive results

- Significant decrease of the mean blood glucose level over the day monitored by 10-point SMBG
- A series of prespecified subgroup analyses in HbA1c fully support the benefit of the product in long term blood glucose control
- The safety and tolerability were good
- ✓ Most of the adverse events were mild or moderate, and the incidence of adverse events and hypoglycemic events were similar to those of Humalog®

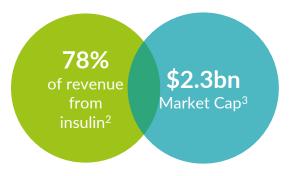
### BC Lispro, with the ambition to become the best mealtime insulin



## China Phase 3 clinical part completed, filing under preparation

Partnered with





# Licensed for development & commercialization for China and other Asian territories<sup>1</sup>:

- \$20m additional milestones 1<sup>st</sup> marketing approval
- O Double-digit royalties on sales

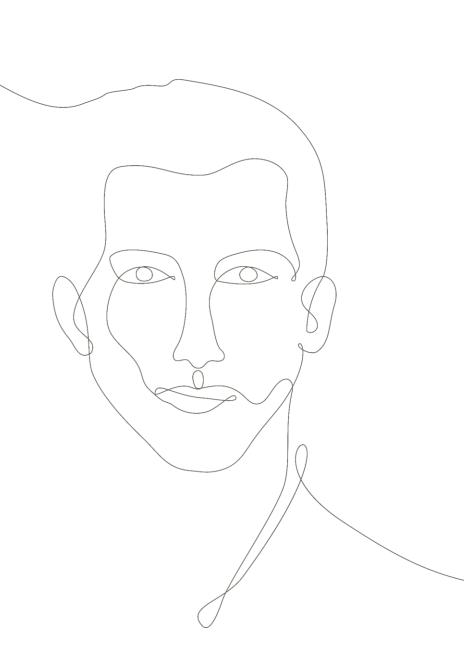
### **Upcoming**

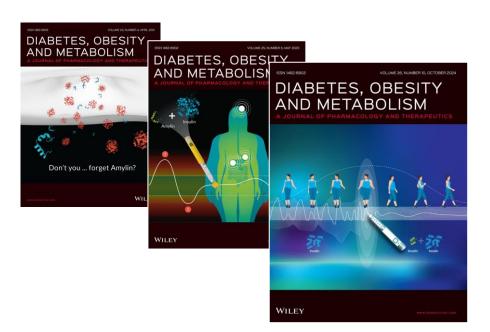
- Phase 3 positive topline results on people with T2D
- O Phase 3 read-out on people with T1D in Q4 2025
- Market Authorization submission in China expected

BioChaperone® Lispro is intended to become the best-in-class mealtime insulin Adocia has retained rights for licensing BC Lispro outside THDB territories

- 1. China and other territories (excluding US, EU, Japan)
- 2. Data THDB
- 3. July 2025





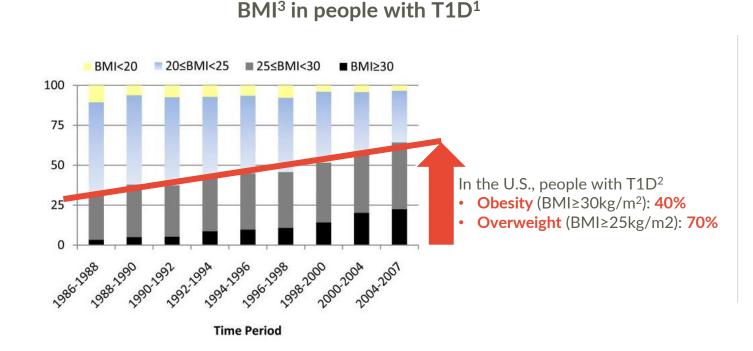


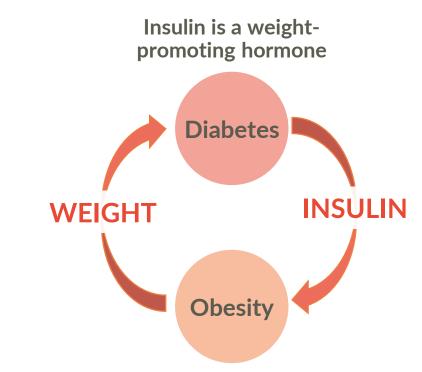
# M1Pram Insulin + Amylin analogs combination

Treating obesity in insulin-dependent people

In exclusive negotiation with Sanofi

# Obesity in people with T1D and T2D under Intensive Insulin Therapy (IIT) is dramatically growing. Marketed obesity drugs are not approved in this population.

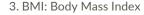




Adocia is developing the 1<sup>st</sup> obesity drug for people under Intensive Insuline Therapy (IIT), T1 and T2D

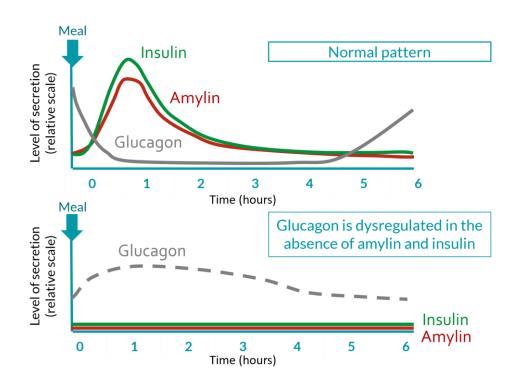
1. Conway B, et al. Temporal patterns in overweight and obesity in Type 1 diabetes. Diabet Med. 2010 Apr;27(4):398-404. doi: 10.1111/j.1464-5491.2010.02956.x.

2. Amelia S Wallace et al., Obesity and Chronic Kidney Disease in US Adults With Type 1 and Type 2 Diabetes Mellitus, The Journal of Clinical Endocrinology & Metabolism, May 2022, Pages 1247–1256, https://doi.org/10.1210/clinem/dgab927





# Amylin is missing in people with insulin-dependent diabetes, and it contributes to diabetes dysregulations

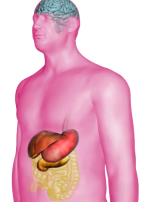


# Amylin exerts important physiological effects on metabolism and weight control

- 1. Activates amylin receptors in different brain areas Satiety, well-being, cognitive functions protection
- 2. Inhibits glucagon secretion

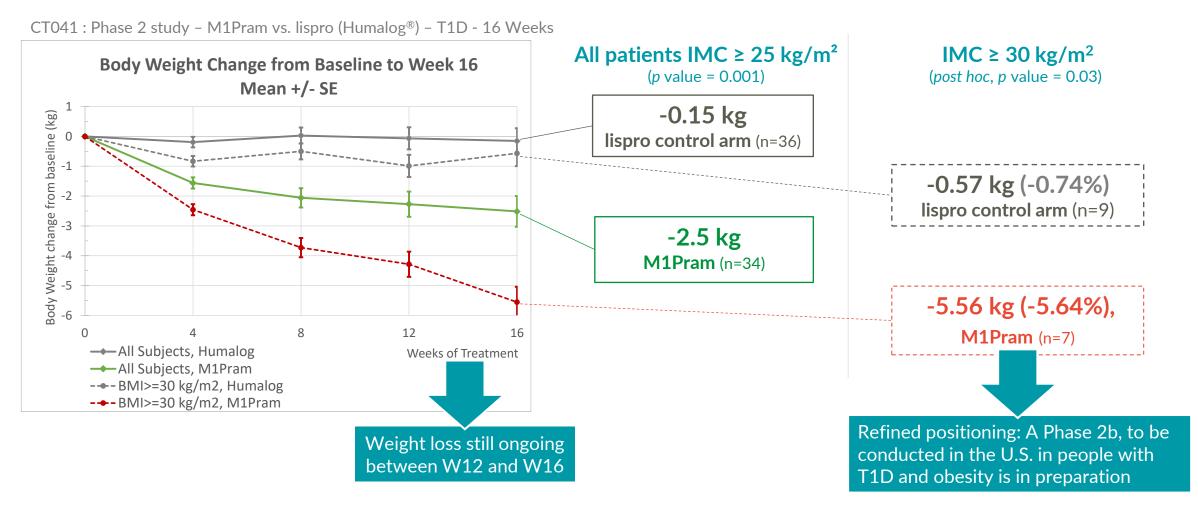
  Better glycemic control, lower PPG rise
- 3. Slows gastric emptying

  Synchronize insulin arrival with BG rise



Reestablishing the physiologic equilibrium between insulin and amylin offers strong clinical benefits

## M1Pram: weight loss in Overweight and Obese people with T1D



## M1Pram generates high expectations from KOLs

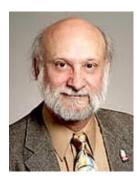


"The phase 2 study of M1Pram shows that a single injection with each meal is as easy to use and as efficient as Humalog for glycemic control without increasing the rate of hypoglycemia. In addition, weight control is challenging for T1D patients, potentially limiting glycemic control and adding cardiovascular risk. While reducing insulin requirement, M1Pram improved appetite control and had a beneficial effect on weight, particularly in obese T1D patients. These features support a future role for this combination formulation for T1D."



"The glycemic results with M1Pram (P1b) are quite promising as is the observed weight loss, which is important given the characteristics of the population taking prandial insulin. I look forward to the next series of clinical trials."

Jay S. Skyler, Professor of Medicine, University of Miami Leonard M. Miller School of Medicine



Dr. Matt Riddle, Professor of Medicine, Oregon Health & Science University "This combination has the potential to finally deliver on the promise of pramlintide for a large number of patients."

Prof. Robert Ratner, Georgetown University Washington DC



"Remarkably, after only 3 weeks of treatment with M1Pram (P1b), all known pharmacological effects of pramlintide were observed."

Prof. Thomas Pieber, Medical University of Graz, Austria

Medical Advisory Board: Chantal Mathieu, Matt Riddle, Jay Skyler, Orville Koltermann



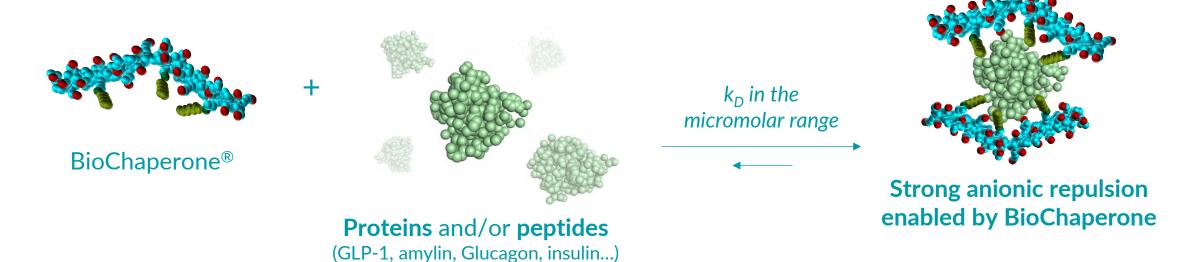
# BioChaperone<sup>®</sup>

Combining peptides for greater and better weight loss

## BioChaperone® technology: designed to improve peptide co-formulations

BioChaperone ® is the most advanced technology platform of Adocia:

- > 30 clinical trials involving BioChaperone<sup>®</sup>
- Based on novel proprietary polymer excipients
- Formation of non-covalent complexes with peptide APIs through electrostatic, hydrophobic interactions and H-bonding

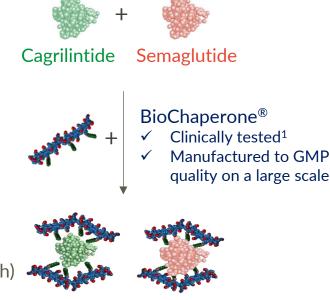


### BioChaperone® Cagrilintide and Semaglutide co-formulation

#### **CagriSema**

#### Single-use double-chamber pen

- Novo Nordisk
- Phase 3: obesity, diabetes
- -22% weight loss/year



4 double-chamber pens
/month
/month

Manufacturing cost 

Manufacturing capacity x4 

Capital Expenditure 

Possibility of flexible dosing

Environmental footprint 

Intellectual property²: 2045 

Intellectual property²: 2045 

Imulti-use pen
/month
/mo

### BioChaperone® - CagriSema

Standard multi-use pen (e.g. Flextouch)
BioChaperone® is designed to stabilize
amylin and GLP-1 in a single product

### Adocia has patented BioChaperone® application to CagriSema and other amylin-GLP1 combinations



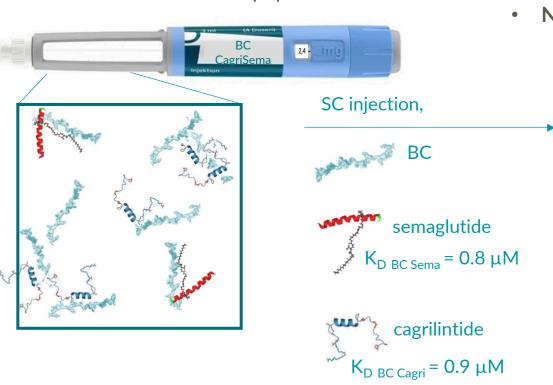
<sup>1.</sup> Tested on other hormonal combinations, such as NCT02514954, NCT02514850.

<sup>2..</sup> PCT/EP2025/054175 and PCT/EP2025/054176 - filed February 17, 2025 - not published yet, thus no phase entries yet. The patent term is anticipated.

## BioChaperone® CagriSema - mechanism of action

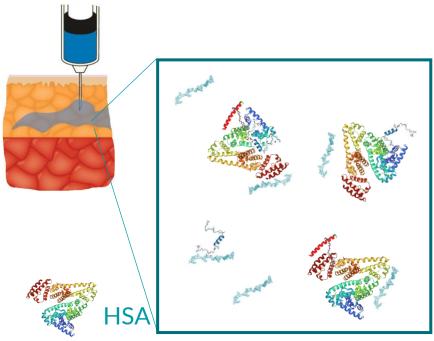
### In formulation

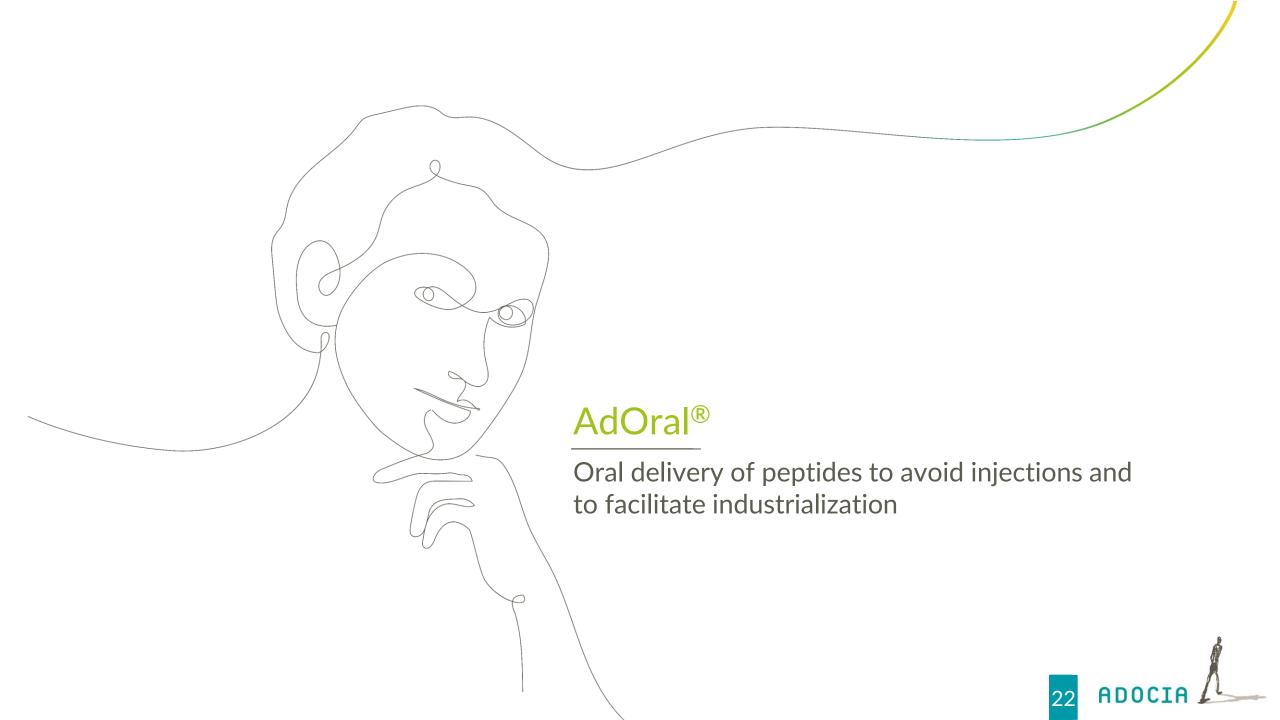
- Non-covalent
- Dynamic BC-Cagri and BC-Sema complexes
- More than 99.7 % of bound peptides



### After injection

- Dissociation of BC-peptide complexes due to interaction with plasma proteins (eg. HSA) followed by diffusion to the bloodstream
- No bioavailability loss<sup>1</sup>

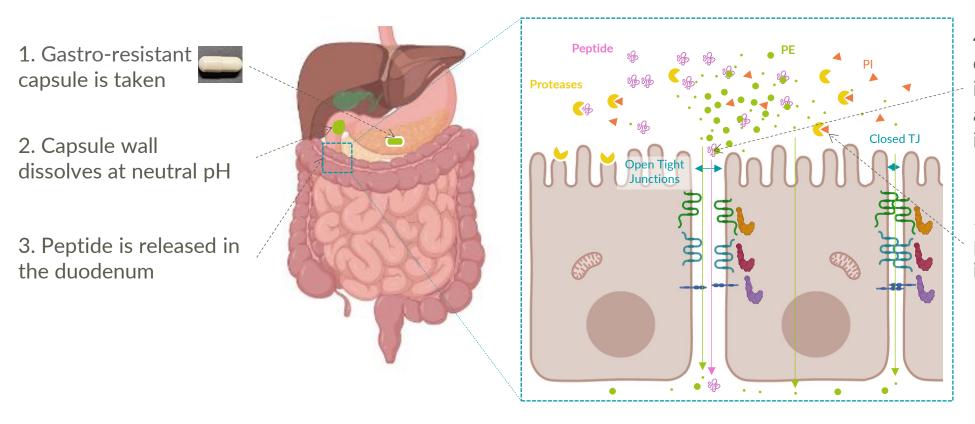




## AdOral®, a promising technology for oral delivery of peptides

- AdOral® is a unique formulation based on a new type of **permeation enhancer (PE)** combined with **peptide protection** against degradation
- In vivo POC established with semaglutide compared to Rybelsus®, an oral formulation for Type 2 diabetes treatment
- Potential applications to other peptides or proteins
- Technology patented until 2042 globally

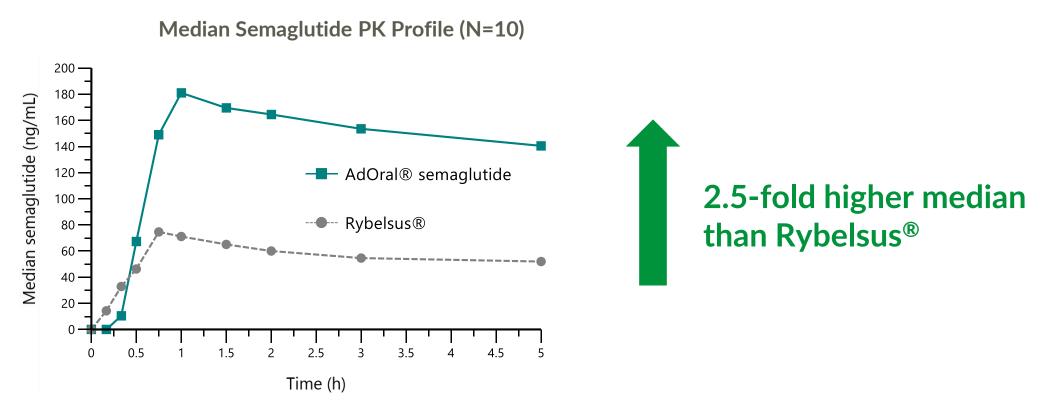
# AdOral®: innovative formulation based on a **new type of permeation enhancer**, combined with **proteases inhibitor**



- 4. The permeation enhancer (PE) works by increasing paracellular absorption across the intestinal epithelium
- 5. Peptide proteolysis is prevented by **proteases inhibitor** (PI)

AdOral® significantly improves oral bioavailability of peptides

## Semaglutide 14mg bioavailability formulated with AdOral®



AdOral<sup>®</sup> Sema 14mg leads to a median bioavailability ~2.5 times higher than the commercial comparator Rybelsus<sup>®</sup> 14mg

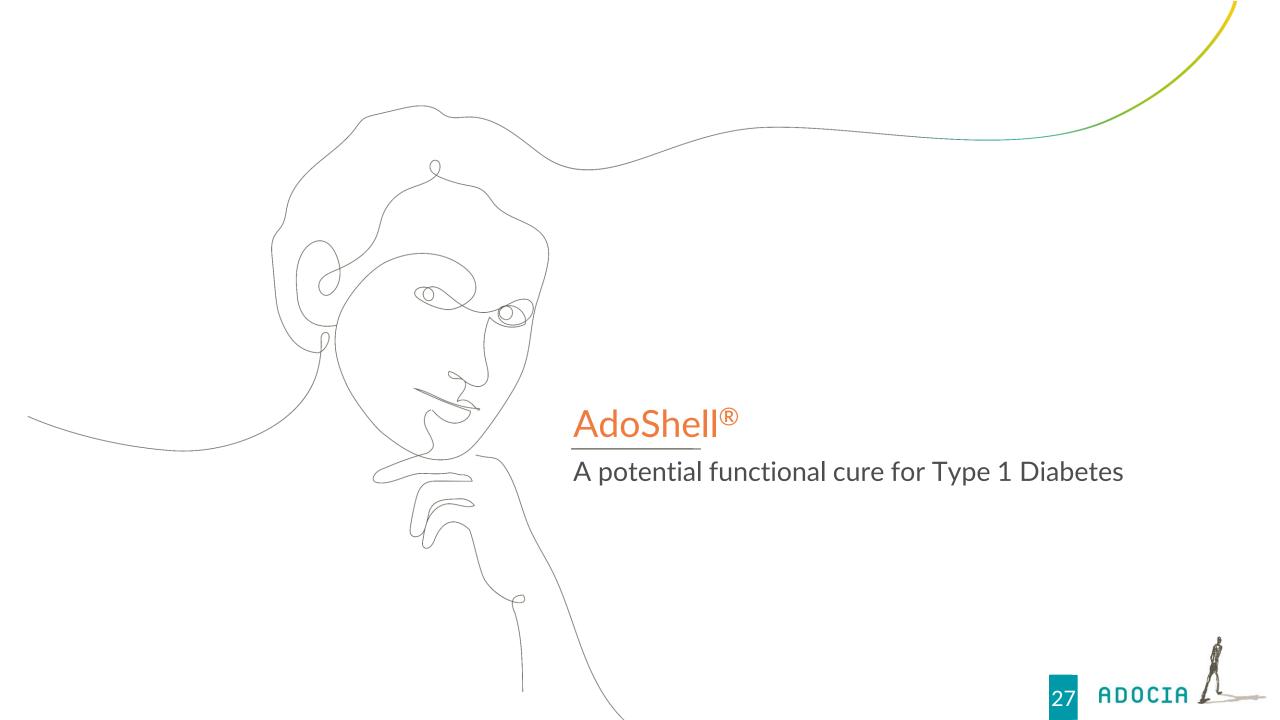
## AdOral® technology key attributes



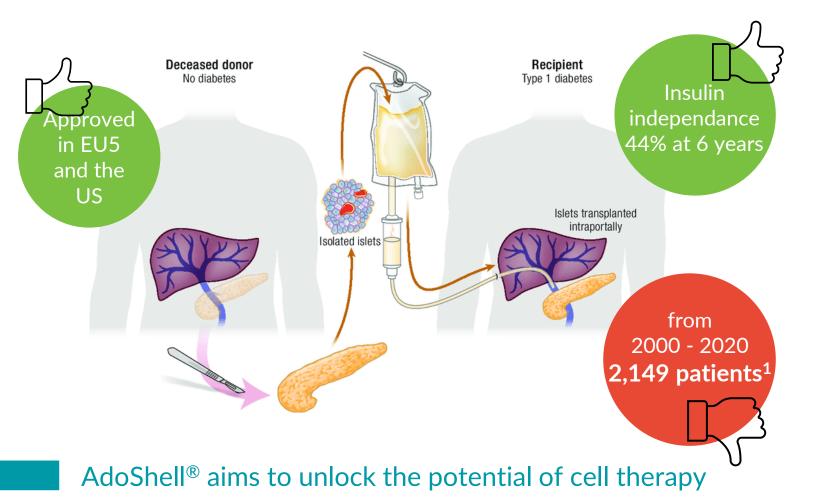
AdOral capsule

	Attributes	Value		
V	Improved bioavailability, via permeation enhancer, proteases inhibitor and duodenal delivery	Reduced API dose (number of patients, tablet/caps size, COGS)		
V	Good tolerance and safety	AdOral new excipient are well tolerated		
V	Gastro-resistant solid form (capsule or tablet)	<ul><li>Industrial advantages vs. sterile injectables (COGS, supply chain)</li><li>Improve patient adhesion to treatment and compliance</li></ul>		
V	Permeation Enhancer facilitating paracellular pathway	Versatile application to other peptides/proteins		

AdOral® Technology is patented until 2042 globally



### Current islets transplantation faces challenges, drastically restricting its use

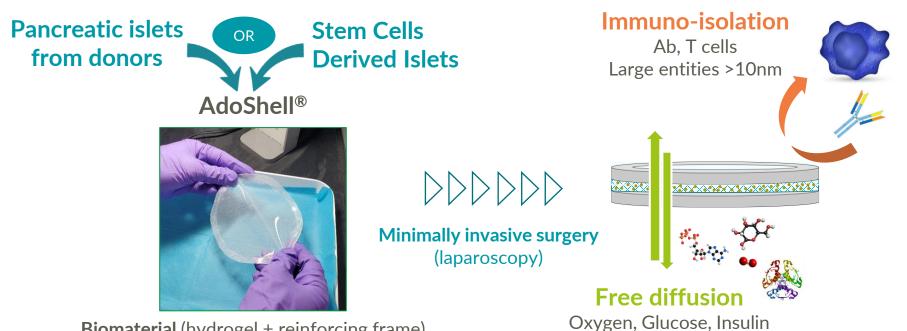


### Downsides/limitations

- Immunosuppressants to avoid graft rejection is a high safety concern
- Cells from deceased donors are in short supply
- iPSCs under development present a risk of uncontrolled development



# AdoShell®, the promise of cell therapy without immunosuppression for people with Type 1 Diabetes



- Allow insulin secretion in response of glycemic variation
- Protect cells from immune system
- Ensure cell containment and retrievability

**Biomaterial** (hydrogel + reinforcing frame) containing **endocrine cells** 

Patented until 2043<sup>1</sup>

AdoShell® might allow a widespread application of cell therapy to T1D and insulin-dependent T2D

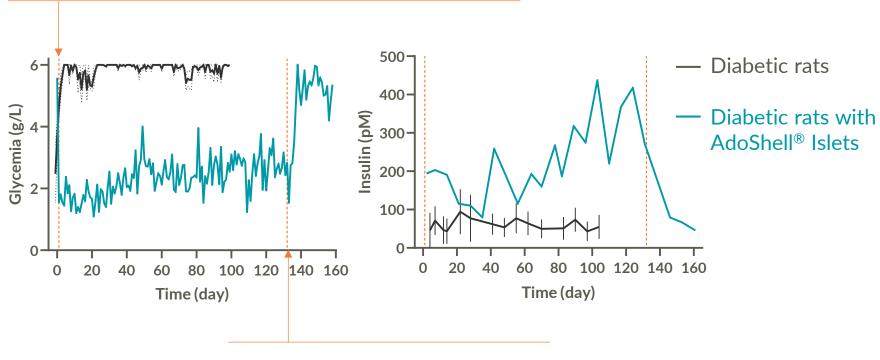
Small entities <5nm



# AdoShell® Islets demonstrates long term efficacy in standard diabetic rat model



Transplantation of AdoShell® containing allogeneic islets in the peritoneal cavity at Day 0



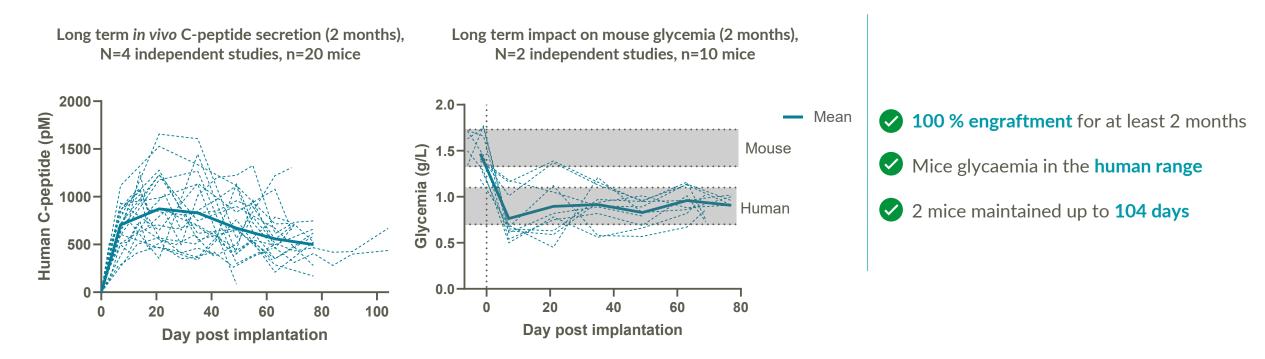
**Explantation** at Day 132

AdoShell® Islets regulates glycemia, paired with steady insulin secretion Return to hyperglycemia upon explantation

### Functionality and efficacy of AdoShell® Human Islets in immunodeficient mice



Xenogeneic transplantation of AdoShell® human islets in immunodeficient NXG mice



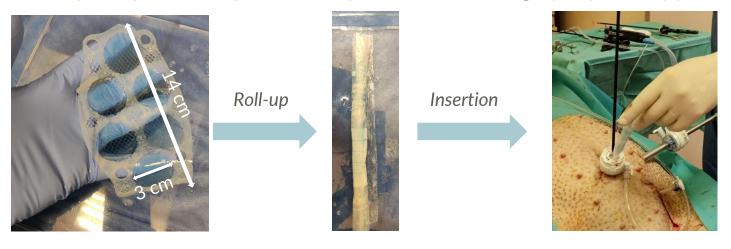
Robust engraftment of human islets in AdoShell® implanted in immunodeficient mice allows glycemic control



# AdoShell®: successful scale up from animal to human device for First-In-Human study

### Human size AdoShell® prototype

Simple implantation procedure by mini-invasive surgery (laparoscopy)



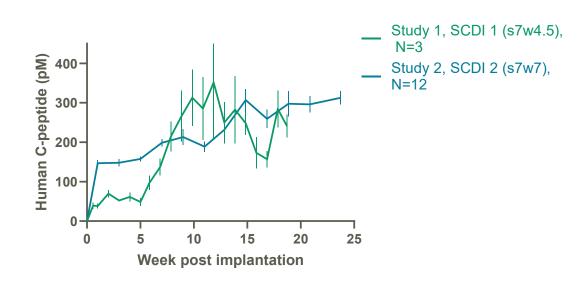
- Intraperitoneal implantation
- ✓ 1 implant = 1 pancreas
- Up to 3 sites for delivery
- ✓ Total delivery capacity: 3 pancreas

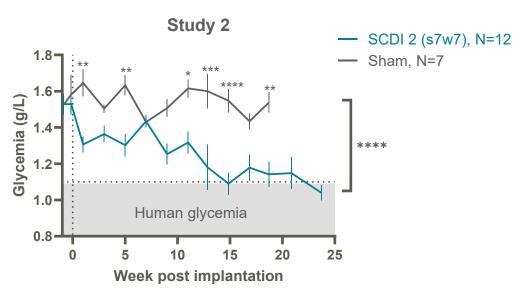
Ability to deliver a therapeutic dose opens a pathway towards clinical application

### AdoShell®: successful translation from human islets to stem cell derived islets



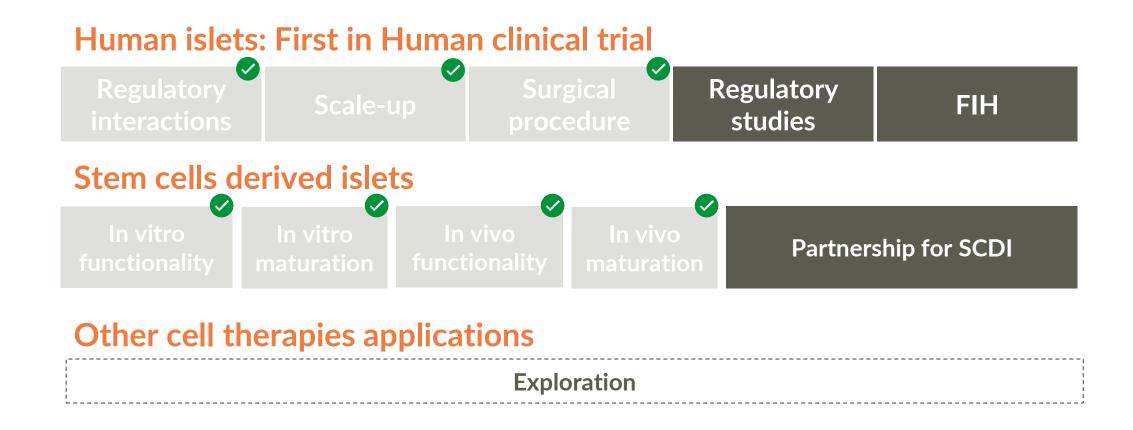
Transplantation of 2 types of SCDI in NXG mice (500 to 700 clusters/mouse).





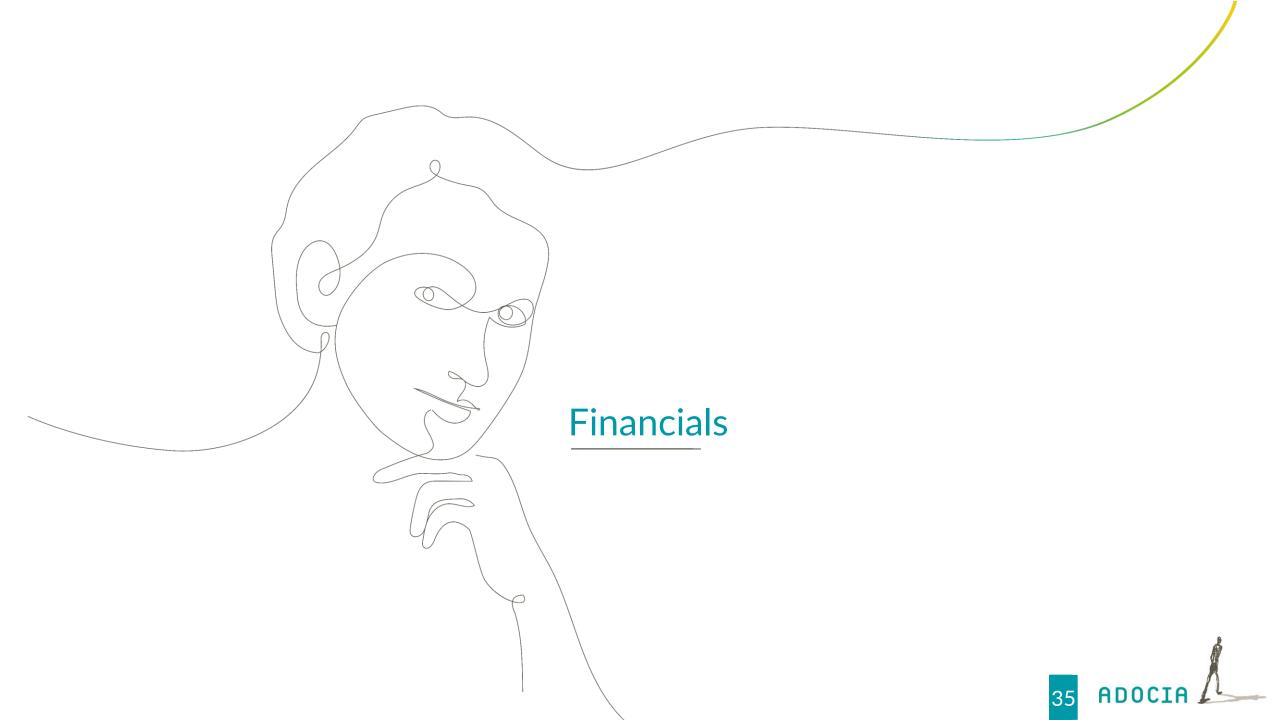
2 types of AdoShell® SCDI show maturation and increased functionality for at least 24 weeks Progressive regulation of mouse glycemia close to human levels

# Next steps with AdoShell®



The key next step for AdoShell® is the First in Human





## **Key Financials**

- Cash position (June. 30, 2025): €7,1 million
  - €9.7 million Private Placement completed on Feb. 26, 2025
  - \$10m milestone payment received in July 2025
  - → Cash runway: Q2 2026
- Indebtedness: €3.3m (state-guaranteed loan maturing Aug. 2026)
- 75% cash burn dedicated to R&D expenses
- Euronext Paris (ADOC)
  - 18.3 million shares<sup>1</sup>



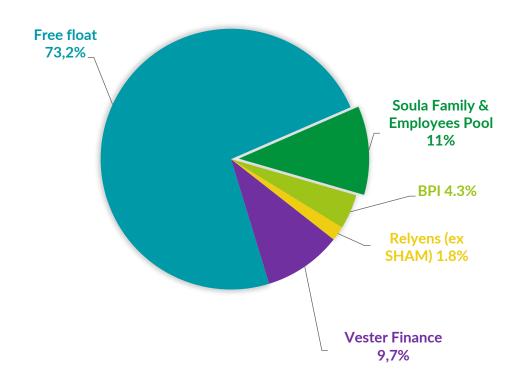
- 2.1 million warrants issued if exercised, total proceeds of ~€10.3 million
- Stock price: ~€7,6¹
- Liquidity: ~240k shares/day (2025)
- Analyst coverage:







### Shareholder ownership<sup>2</sup>



<sup>1.</sup> As of September, 25<sup>th</sup> 2025

<sup>2.</sup> According to last information available on June, 30th, 2025