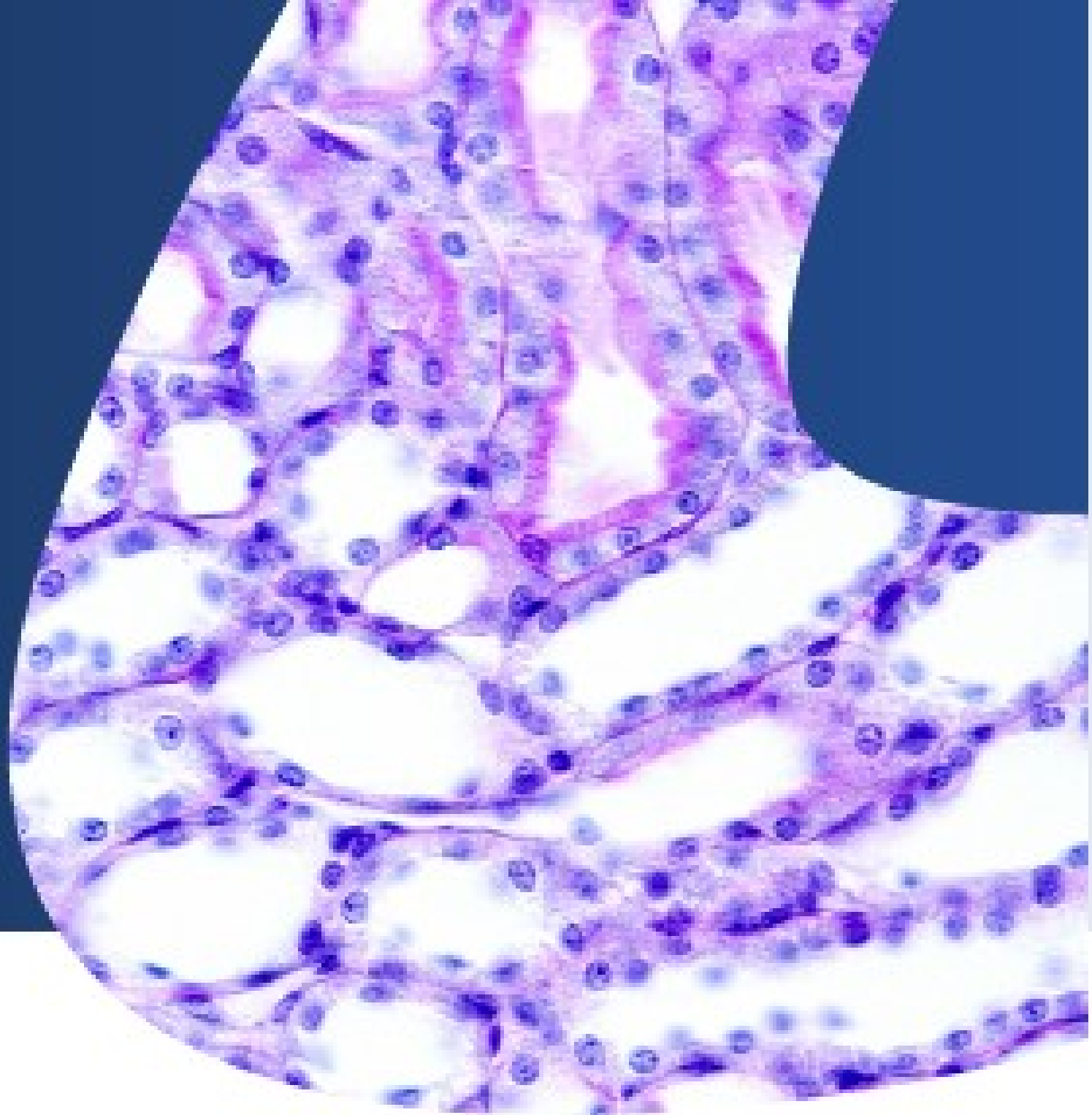




PuffIDO

Two patent families in national/regional phases.
WO2024121663A1; WO2022175796A1

ECO FRIENDLY SMART INHALER

Principal Investigators: Alessandra Rossi, Stefano Rossi

PRESSURISED
REFILLABLE
MODULAR



Functional prototype

THE UNMET NEED

450 million people

with asthma or COPD

Conventional dry powder inhalers depend on inspiratory effort (NOT PRESSURISED).
Pressurised device Run Out and requires coordination
All these inhalers become waste after use.



HOW PUFFIDO WORKS

Without propellant gases

THE FIRST WORLD pDPI (pressurised powder inhaler)
Mechanical pressure assists powder delivery (SUITABLE FOR EVERYONE).
Don't requires coordination and it will never run out.
A replaceable dosing module adapts the platform to different medications. The inhaler is reusable and designed for recyclability.

MARKET AND BUSINESS MODEL

Global	€5B+
Europe	€1B
Italy	€145 M

Target: asthma and COPD maintenance therapy.
B2B model: customised devices and refills, distributed through pharmaceutical partners.
revenue >€3M, EBITDA 25%.
Assumption: 12.5% share of the Italian market.

ALL BENEFITS IN ONE DEVICE

	PuffIDO	pMDI	DPI	
PRESSURIZED	✓	✓ VARIABLE AND EXHAUSTIBLE	✗	✗
MULTI-MEDICATION PRECISE DOSING	✓	✗	✓	✗
REUSABLE RECYCLABLE	✓	✗	✗	TO RECHARGE FOR EACH USE ✓
EVERY KIND (LIQUID, POWDERS)	✓	✗	✗	✗

DEVELOPMENT STAGE



FULLY REIMBURSED BY THE PUBLIC HEALTHCARE SYSTEM

First-phase funding

€3.0M

€8M powder inhaler programme
+ €8M liquid inhaler extension
= €16M total roadmap

Year	Planned development step	Budget (€M)
2026	pDPI validation	3.0
2027	Clinical preparation	2.8
2028	pDPI market entry	2.2
2029	Liquid inhaler extension	8.0
Total	Full development roadmap	16.0

