

The logo for HypO2Regen features the letters 'H', 'O', '2', 'R', and 'x' in a stylized font. The 'H' and 'O' are teal, while the '2', 'R', and 'x' are orange. The 'O' is replaced by a circular arrow pointing clockwise, and the '2' is positioned below the 'O'.

Preclinical Platform of Disease-modifying Prodrugs
to Durably Reverse the Course of Chronic Inflammatory Diseases (CIDs)

Initial indications: Periodontitis, IBD

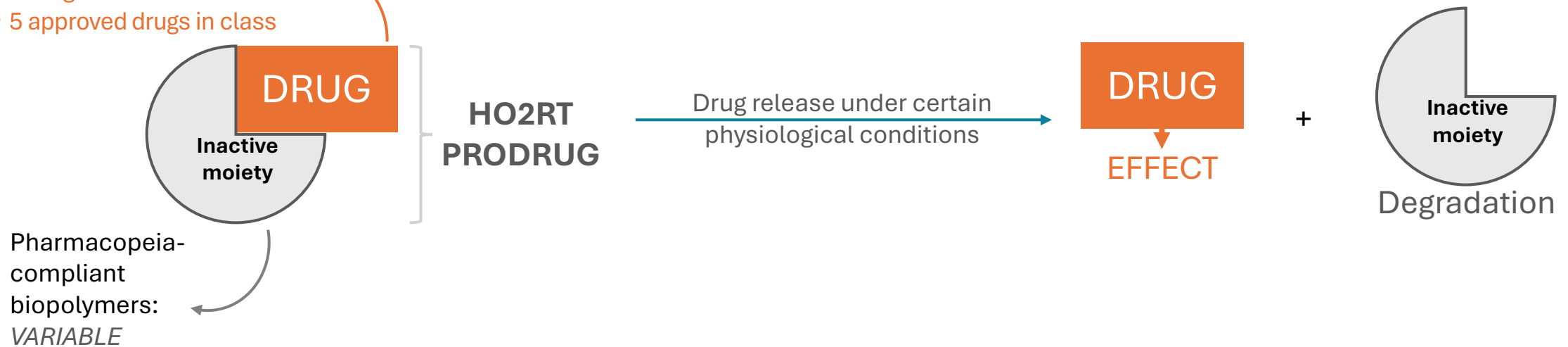
April 10, 2026

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Conjugates of a known antifibrotic small molecules to versatile biopolymer carrier

- HO2RT- novel proprietary platform of Small Molecule Drug Conjugate (SMDC) prodrugs

- Known antifibrotic
- Tight target selectivity
- No significant *in vivo* toxicities
- 5 approved drugs in class



JUST 2 low-dose SQ inj. → **Durable clinical benefit**

- Potential regulatory upside: PRIME in Europe, Fast-Track in the US, NCE eligibility

3-Fold Problem of Current Chronic Inflammation Treatments HO_2R_x

Current
Standard
of
Care

NO Functional Tissue Healing

- **Fibrotic scarring prevents functional restoration**, permanent organ impairment
- 70% Crohn's Disease pts require **surgery**
- Implants and grafts have **no healing effect** and can lead to periimplantitis

High-toxicity Not durable

- **Black box warning**-most prescribed IBD drugs causing poor compliance, more frequent/severe relapses, disease progression
- **Drug resistance, pain, poor QoL**
- **Disease progression** - increasingly frequent, severe relapses

Expensive

Life-long
Yearly, repeat
6-figure treatment

HO_2RT
drugs

Functional Tissue Healing

- **Scarless tissue restoration:** structure + function
- **Mimics natural tissue**
- **Disease-modifying:** reversion of tissue damage

Low Toxicity Durable Effect

- **Retains proven benefits of RSCTs** (Regenerative Stem Cell Therapies)
- **Halts remission-relapse cycles and disease progression**
- **Reverses disease course**

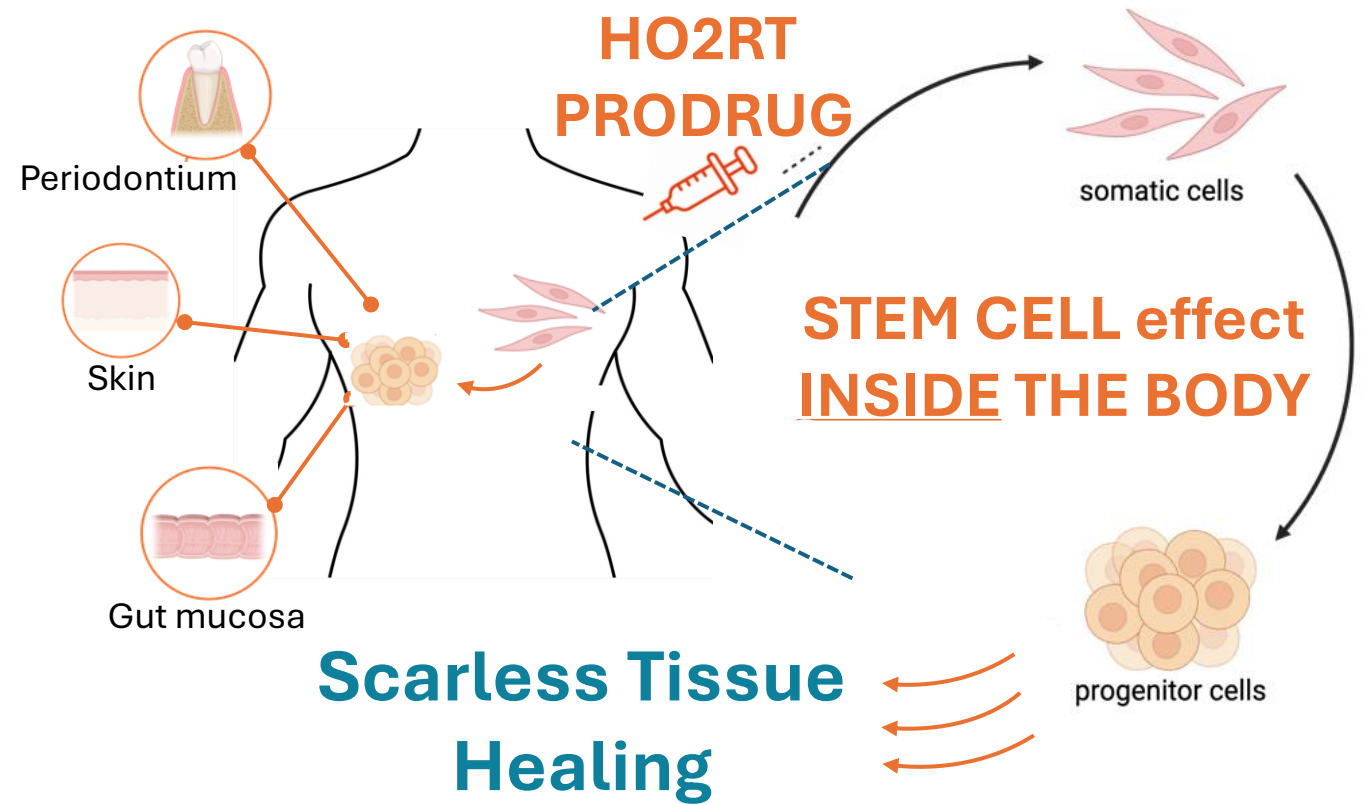
Affordable

- **Lower treatment costs**
- **Better reimbursement**
- **High adoption:** clinicians, patients

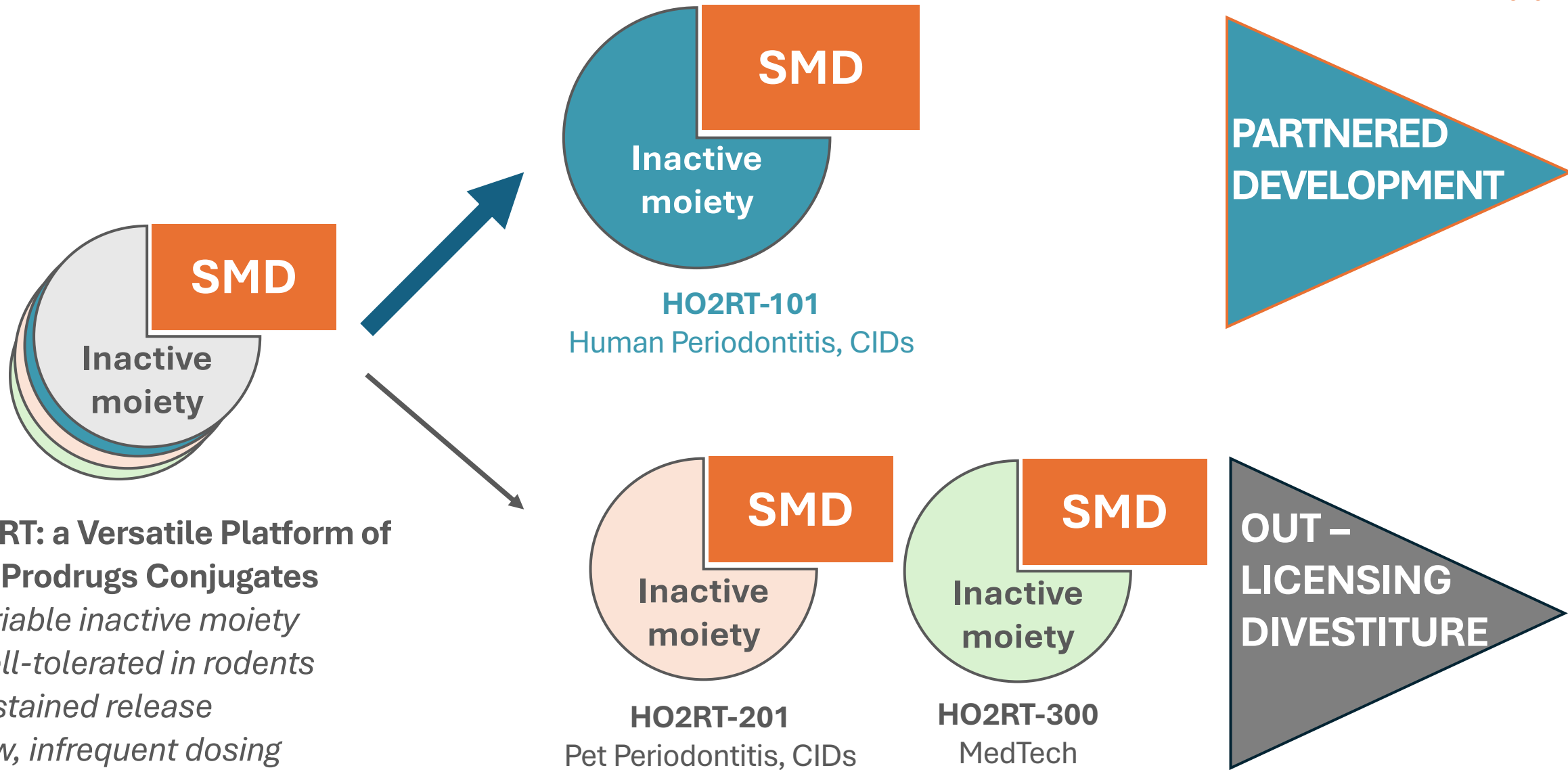
DRUG Treatment Mimics Natural Tissue Healing Processes

Pioneering Stem Cell Therapy
WITHOUT cell manipulations
outside the body (“*ex vivo*”)

- Retains the proven benefits of Stem Cell Therapies (SCT), *but* WITHOUT risky, costly cell manipulations
- Simple, Easy administration: NO multiple patient visits to specialty cell therapy centers, specialty care



HO2RT Platform: Differentiated Products Opportunities



HO2RT: a Versatile Platform of Prodrugs Conjugates

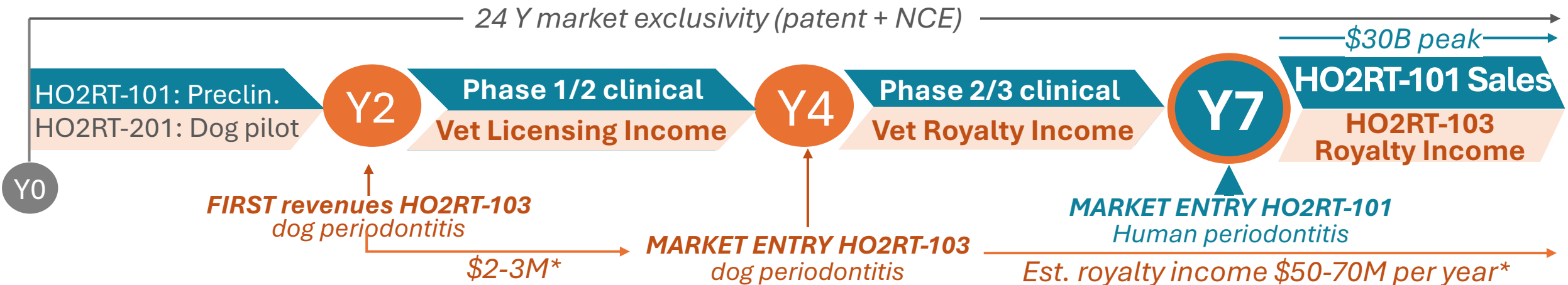
- *Variable inactive moiety*
- *Well-tolerated in rodents*
- *Sustained release*
- *Low, infrequent dosing*

Periodontitis: Low-cost Access to Huge CID Market



\$10M investment • under \$50M Total Dev. Costs • \$30B peak revenues*

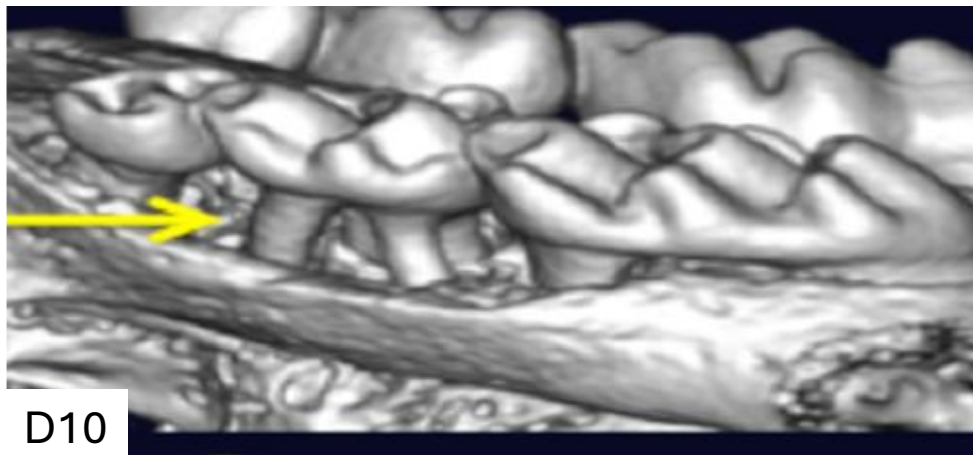
- **Neglected disease** - 70% under-treated (> 160M US/EUR), ineffective, >\$100k/Y, invasive, painful treatments
- **Early efficacy read in dog** - pilot study to confirm efficacy seen in rodents, derisks human clinical development
- **Dog pilot study monetized by out-licensed** veterinary product development (**HO2RT201**), veterinary blockbuster likely to fund 50-75% human periodontitis drug development (**HO2RT-101**)



**Management estimates, calculations available in data room*

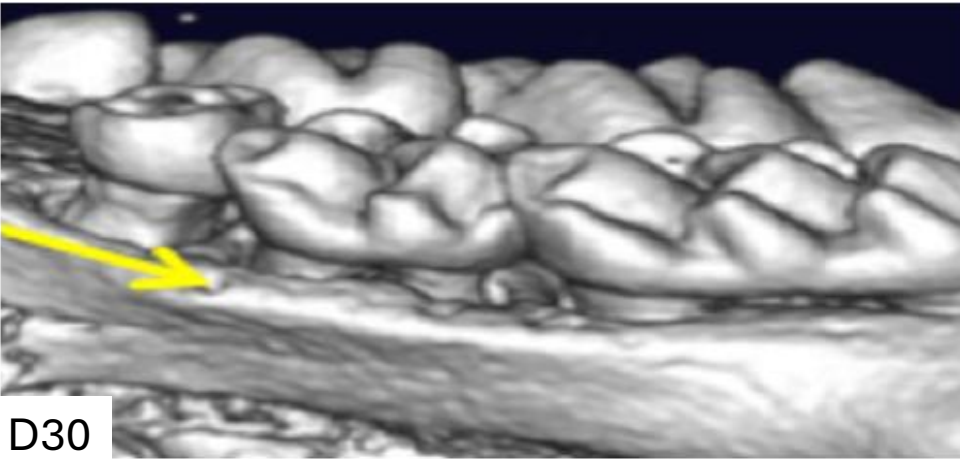
HO2RT-101 Preclinical Efficacy in Periodontitis

Therapeutic concept translates into real, durable regeneration of soft and hard tissues

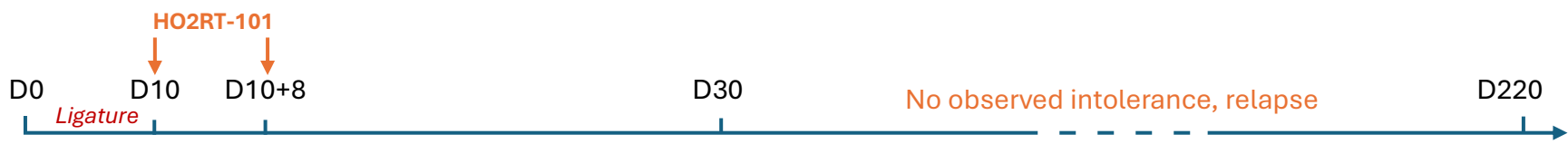


Severe periodontitis rodent model (“LIP”): 10-day ligature around molar causes severe microbiome dysbiosis, leading to destructive inflammation of the alveolar bone + soft tissues, replicating severe human periodontitis.

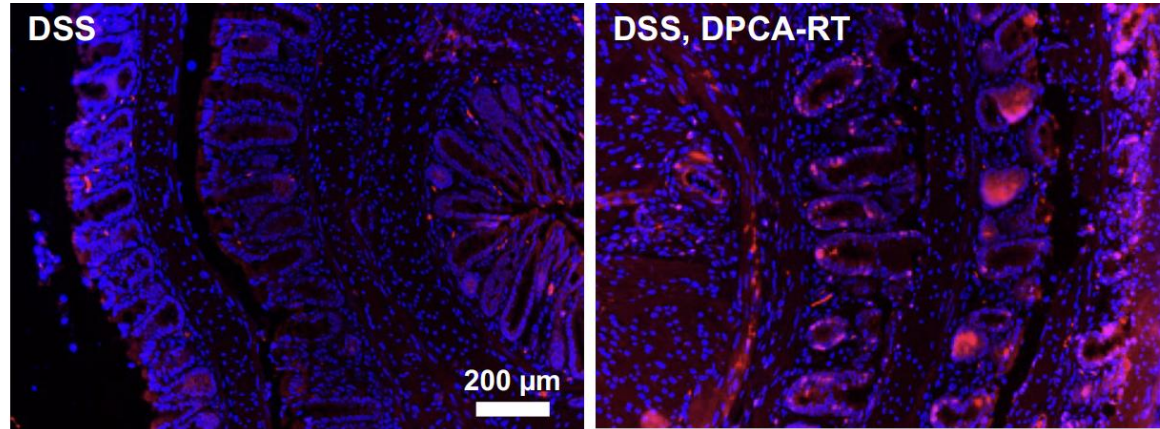
Just 2 subQ
8 days apart



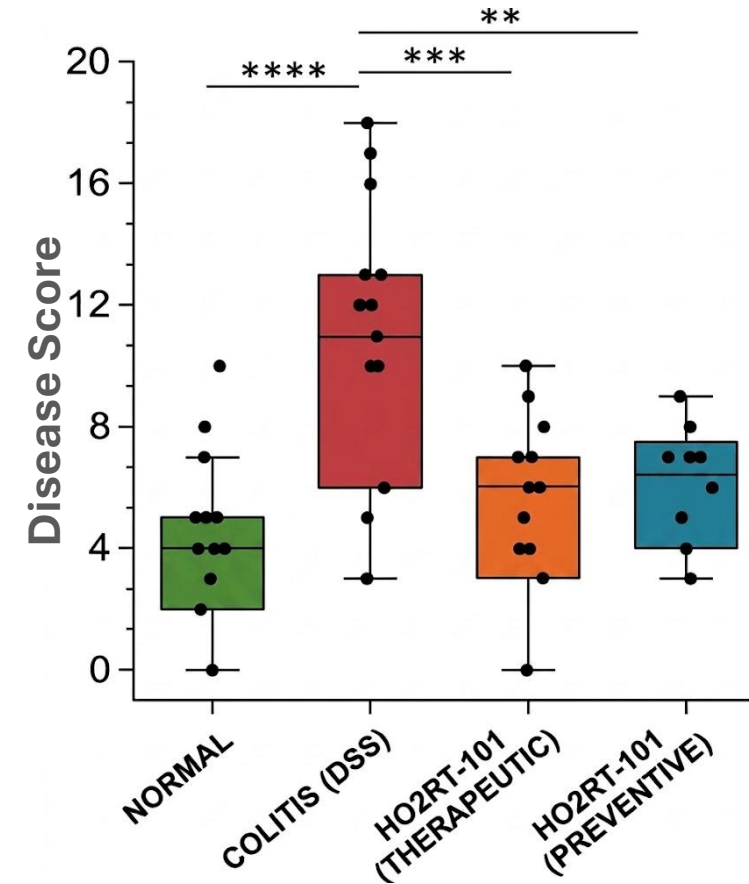
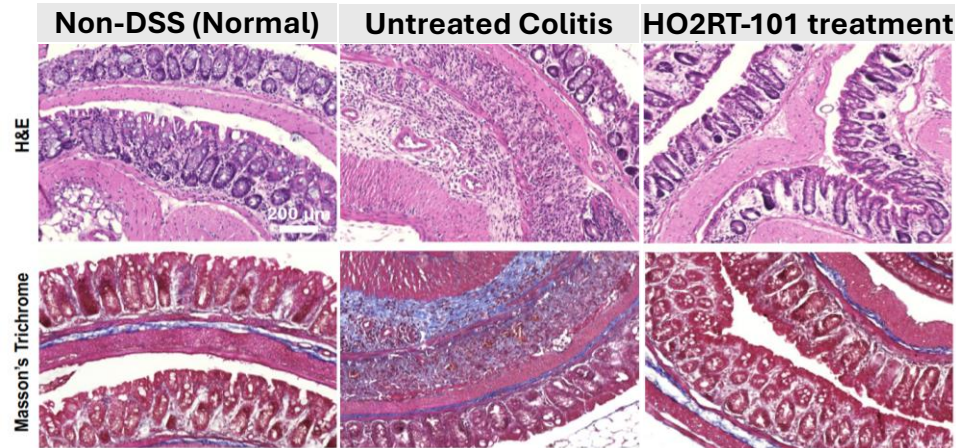
Significant vertical + horizontal regeneration
Quasi complete restoration of alveolar bone + soft tissue, 100% tooth reattachment, + pulp activation. Confirmed by histology.



Scarless healing of the intestinal mucosa after only 1 low-dose injection of HO2RT-101



Drug-targeted pathway activation correlates with structural restoration of previously destroyed microvilli of the intestinal mucosa, without evidence of fibrotic scarring



Stage 1

Stage 2

Stage 3

\$7B

Pet+Human

\$2.5B

Pet

Periodontitis

\$30B

IBD

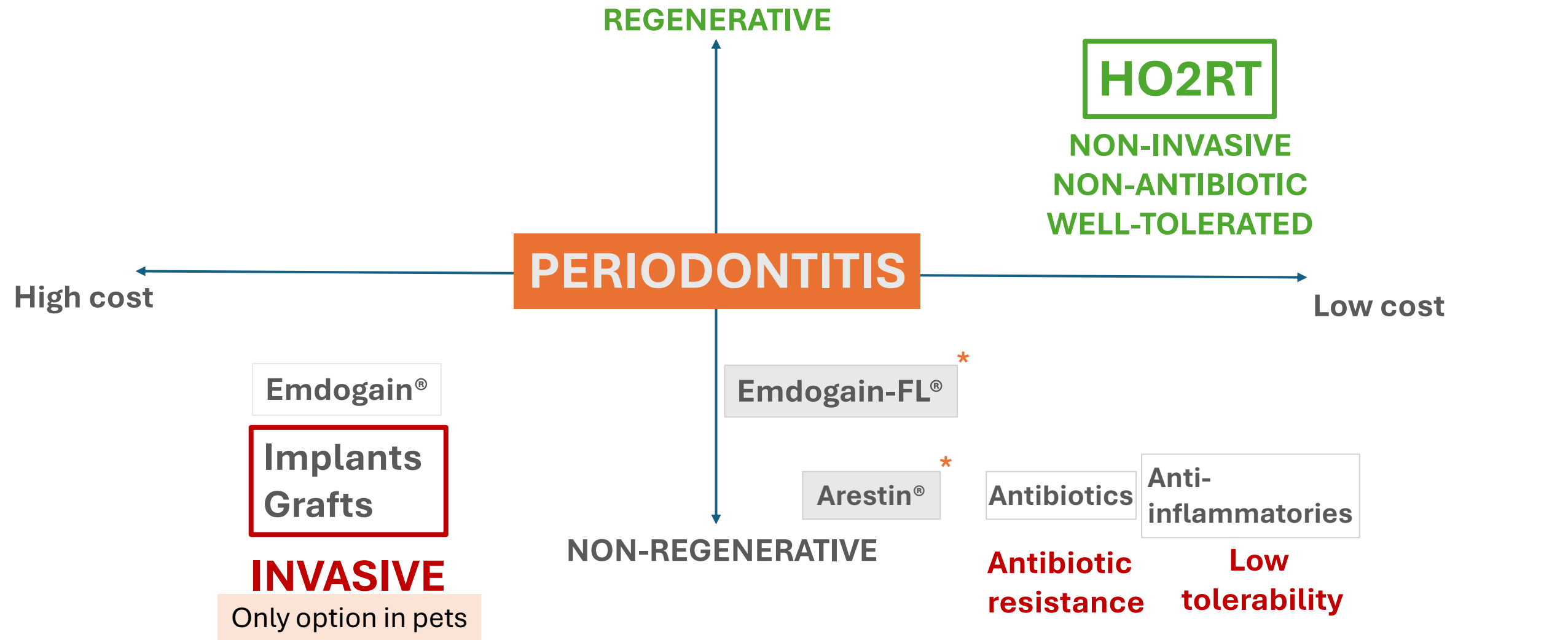
X \$100Bs
Chronic Inflammation

e.g. Cardiovascular diseases,
Non-Alcoholic Fatty Liver Disease, MS

*Management estimates, calculations available in data room

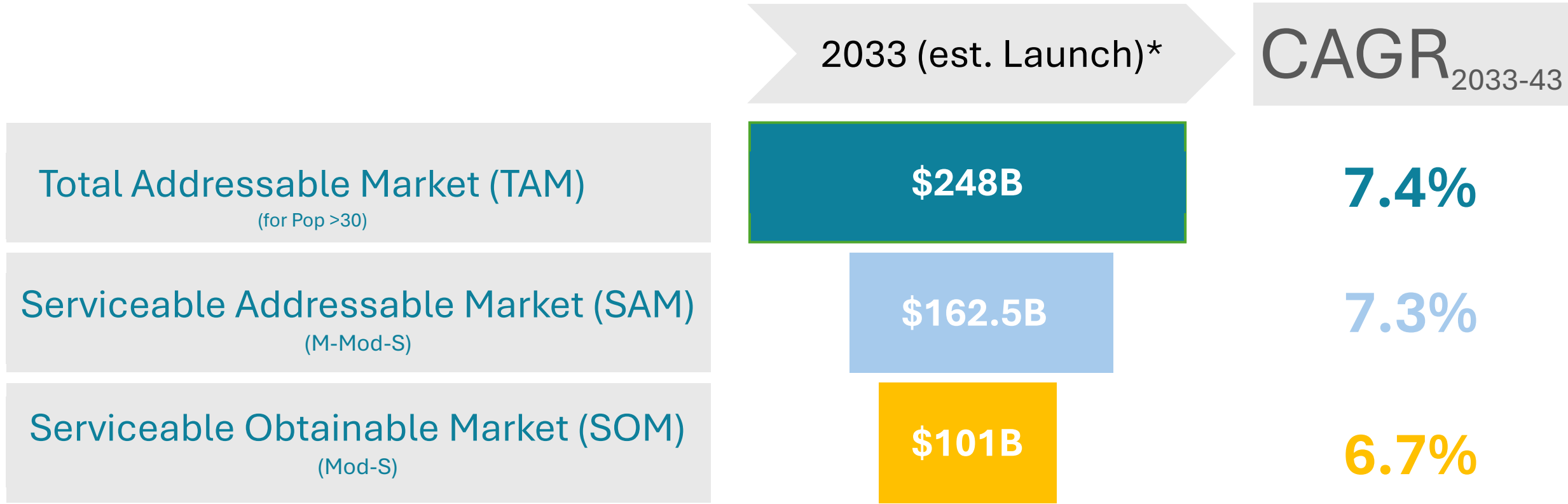
Competitive Positioning: Game-changing Therapy

HO₂R_x



* Only in humans

TAM, SAM, SOM – Human Periodontitis (US+EUR)

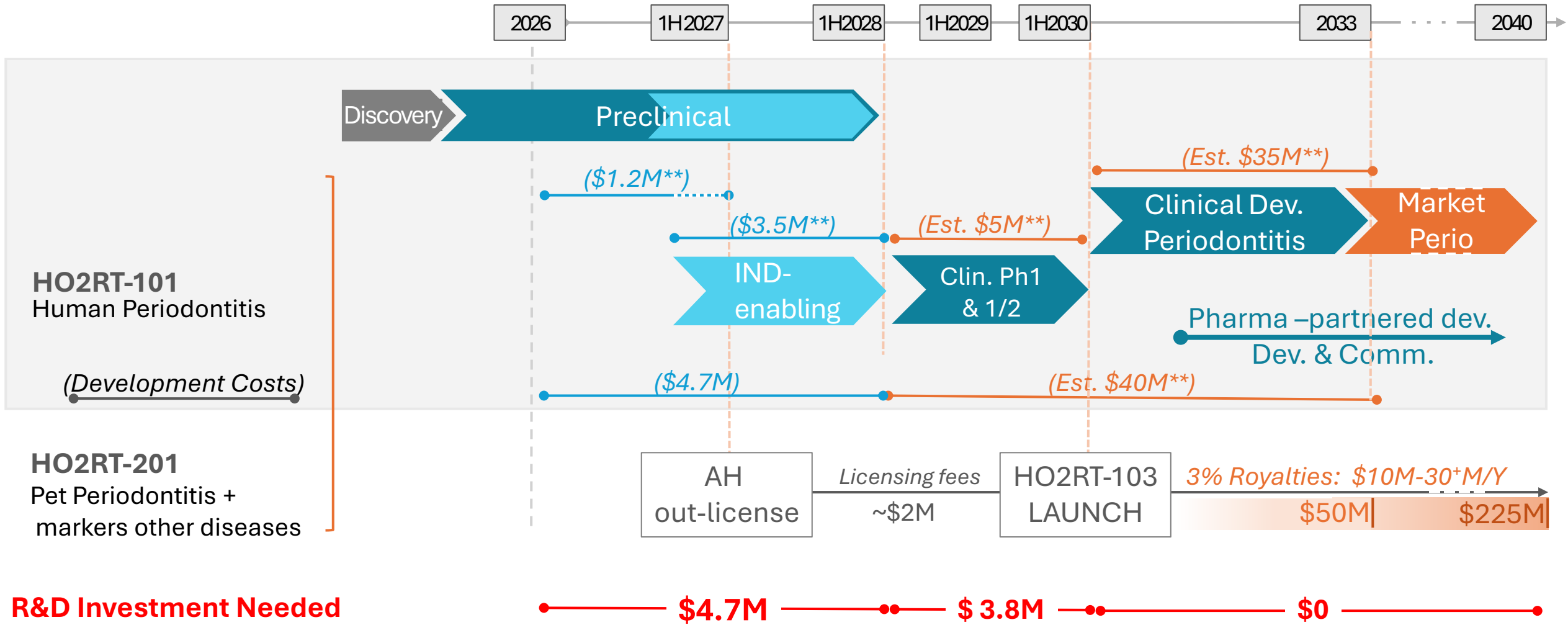


* Management estimates- calculations available in data room

Expected Timeline and Overall Development Costs



\$5M to the Clinic, < \$40M Expected in Clinical Costs



^{**} Management estimates

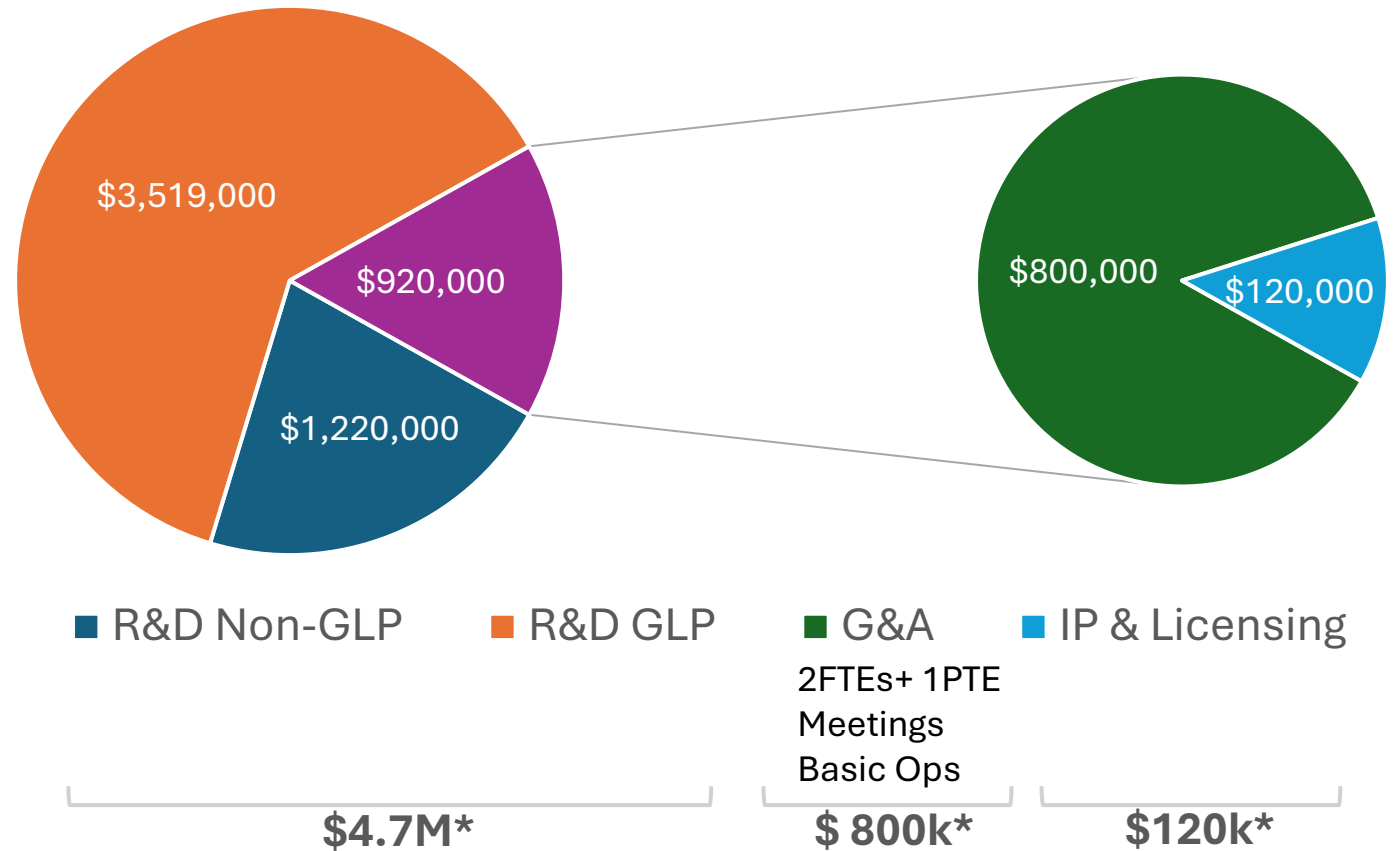
Next Key milestones 2H2027

- License out HO2RT-201 for pet periodontitis to AH Company
- IND clearance HO2RT-101



**Seed investment
Convertible notes**

\$ 5.6 M



** Management estimates- calculations available in data room*

Team – Synergistic Expertise, Innovative Minds



Co-founders



Dr. Isabelle Gorrillot
Co-founder & CEO

30Y Biotech growth, BDL



Prof. Phillip Messersmith
Co-founder

Chair, BioEngineering

UC Berkeley

Clinical Advisors



Thomas W Campi, DVM, MVPM
CEO, Modulant BioSci,
Former Head of BDL, Elanco



Jean-Marc Dersot, DDS, PhD
Periodontist Consultant



Corporate Advisors



Michael Tippie
General partner

Alignment Ventures, LLC



Bruce Kaufman
Managing Director,
Healthcare Group



- **Versatile Prodrug Platform** tackles the growing **>\$100B Chronic Inflammatory Disease (CID)** market
- **Initial indication: Periodontitis** - “**low-hanging fruit**” in the **CID market** – grossly neglected disease, yet easy and fast development requiring less than \$50M to fund the entire clinical development of HO2RT-101
- **BUT.... only \$10M investment needed** - because royalty income on sales of HO2RT-201 (pet periodontitis) starting in 2030 (estimated \$11-50M⁺/Y)
- **Innovative therapy drug-induced (*in vivo*) stem cell therapy mimics** natural **scarless** healing ensuring normal tissue integrity, **AND translates into strong efficacy** (periodontitis, IBD rodent models); positive signals in liver, kidney, and multiple skin injuries
- **Broad pipeline expansion avenues** (e.g., CVD, NAFLD, IBD) and **additional out-licensing revenue streams** (wound healing, burns Medtech/Veterinary)

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