

AUREALIS THERAPEUTICS 4-IN-1 BACTERIAL CELL AND GENE THERAPY FOR CHRONIC WOUNDS AND CANCER

INVESTOR PRESENTATION MAY 2023

THE NEED: MASSIVE UNMET NEED AND MARKET OPPORTUNITY



4 Mn & 6.5 Mn Annual Incidence EU & US



30% 2 year mortality



Total healthcare costs (>€100Bn)

30%



1 amputation

Every 30 seconds



25-50%

Hospital beds occupied



12%

Rising prevalence per year



\$100Bn cost to the society \$15Bn global market

Chronic Wounds:

DFU (diabetic foot ulcer) VLU (venous leg ulcer) PU (pressure ulcer)



313,959*

Women diagnosed Each year



207,252*

Women die each year



45%

Overall 5 year survival



2M

Prevalence



<20%

Stage 3 and 4 5 year survival

OVARIAN CANCER

Deadly disease Over \$5Bn global market

Sources: International Diabetes Federation, Global epidemiology of diabetic foot ulceration: a systematic review and meta-analysis (Ann Med. 2017 Mar), *WHO 2020 data



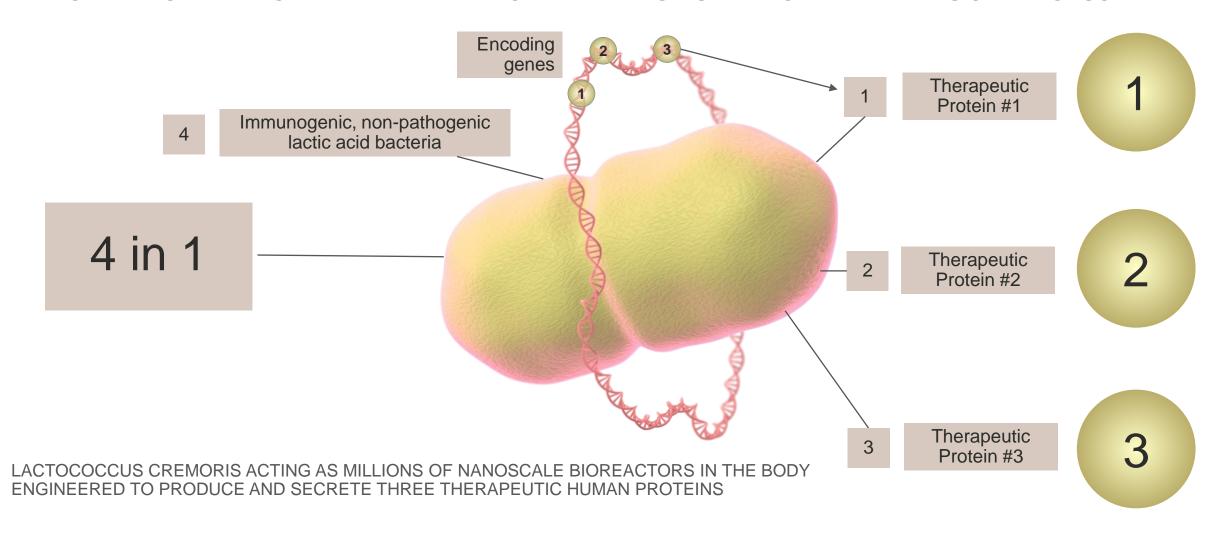
THE PROBLEM:

- CURING COMPLEX, MULTI-FACTORIAL DISEASES REQUIRE MULTITARGETING
- CURRENT TREATMENTS DO NOT ENABLE IT



THE SOLUTION: AUREALIS THERAPEUTICS 4-IN-1 PLATFORM

BACTERIAL CELL AND GENE THERAPY PLATFORM ENABLING MULTITARGET THERAPY AS ONE PRODUCT





MODULAR MULTI-THERAPY PLATFORM

GENE ENCODING OPTIONS CONSTRUCTS THERAPY AREAS CHRONIC WOUNDS FGF-2 IL-4 CSF-1 **ONCOLOGY** II -12 IL-15 IFN-α **INFLAMMATION INTERLEUKINS** CSF-1 IL-4 OTHER CYTOKINES OTHER **GROWTH FACTORS** Plug & play versatility ENZYMES, ScFv... **ENDOGENOUS AGONISTS** Partner customized new construct/product with desired 2-3 human therapeutic proteins can be created in 6 weeks.

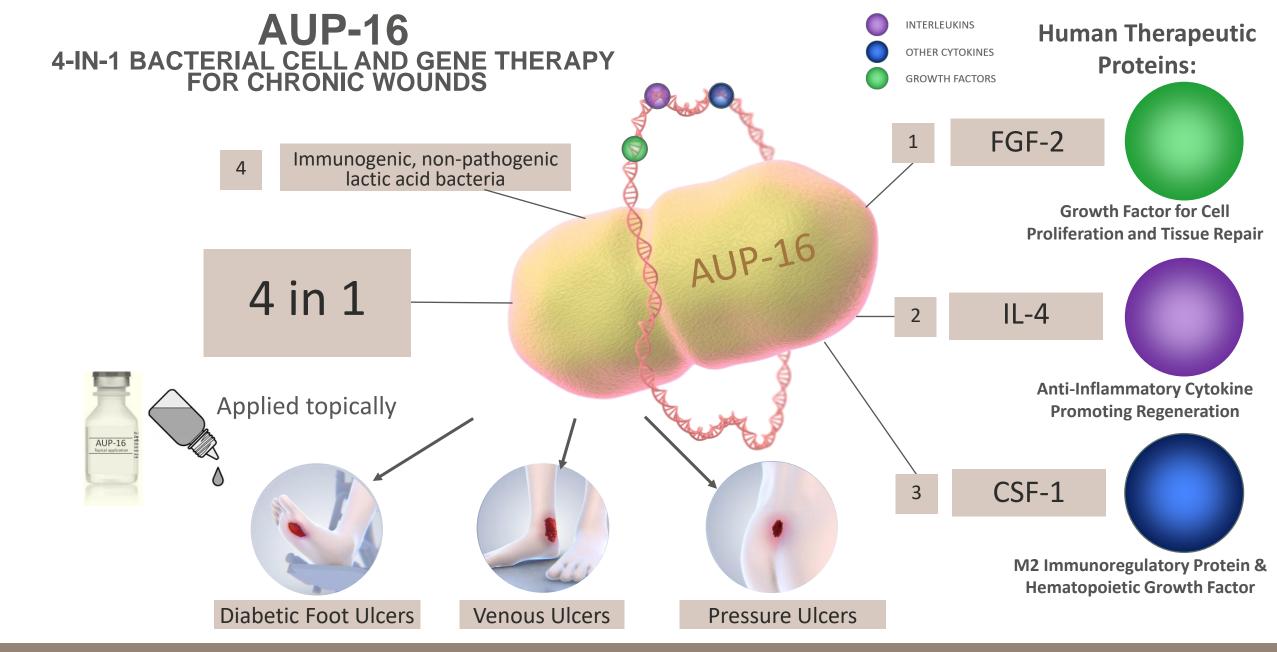


PRODUCT PORTFOLIO

MULTI-TARGET BACTERIAL VECTOR THERAPIES FOR UNMET MEDICAL NEEDS

Modality	Product	Indication	Discovery	In vivo POC	GLP S&T CMC	IND/CTA	Phase 1	Phase 2	Phase 3	NDA/MAA
Chronic Wounds	AUP-16	Diabetic Foot Ulcer								
	AUP-16	Venous Leg Ulcer								
	AUP-16	Pressure Ulcer								
Oncology	AUP-55	Ovarian Cancer)					
	AUP-55	Peritoneal Carcinomatosis								
	AUP-55	Bladder Cancer								
Inflammation	AUP-18	Dermatology (undisclosed)								
	AUP-20	Metabolic (undisclosed)								







SEVERE, NON-HEALING DIABETIC WOUNDS HEAL WITH AUP-16 TARGETING FOUR KEY MECHANISMS OF WOUND HEALING

AUREALIS 4-IN-1 PRODUCT AUP-16



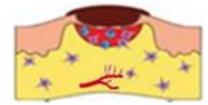
TARGET 2PROLIFERATION

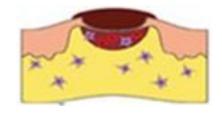
TARGET 3ANGIOGENESIS

TARGET 4EPITHELIALIZATION

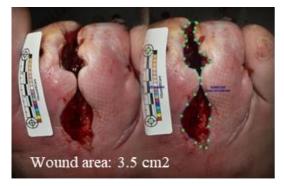


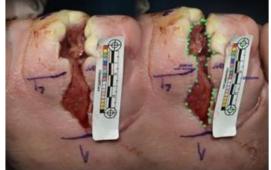




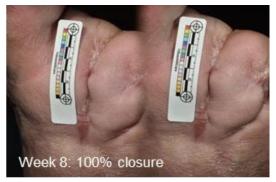










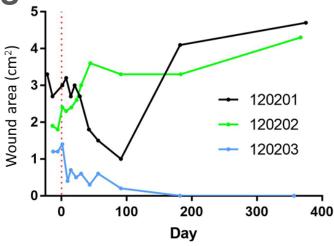


PHASE 1: AUP-16 ACCELERATES HEALING OF DIABETIC FOOT ULCERS

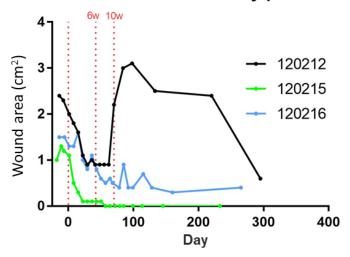
Best in class efficacy:

- 83% of patients who received the lead therapeutic dose reached complete healing
- >30% wound size reduction in first 2
 weeks treatment vs. >17% wound size
 increase in 2 weeks run-in period with
 SOC
- Median time to heal: 6.7 weeks / 47 days.
- No recurrence of healed wounds after 12 months follow-up
- No Dose Limiting Toxicity, no systemic or local safety nor tolerability issues

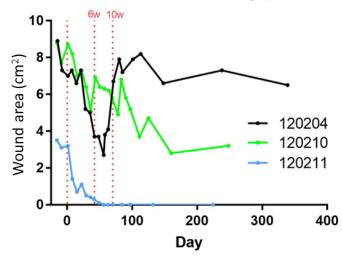
Cohort 1 (single safety dose) Wound area reduction by patients



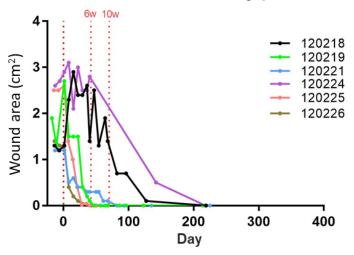
Cohort 3 (repeated medium dose) Wound area reduction by patients



Cohort 2 (repeated low dose) Wound area reduction by patients



Cohort 4 (repeated high dose) Wound area reduction by patients





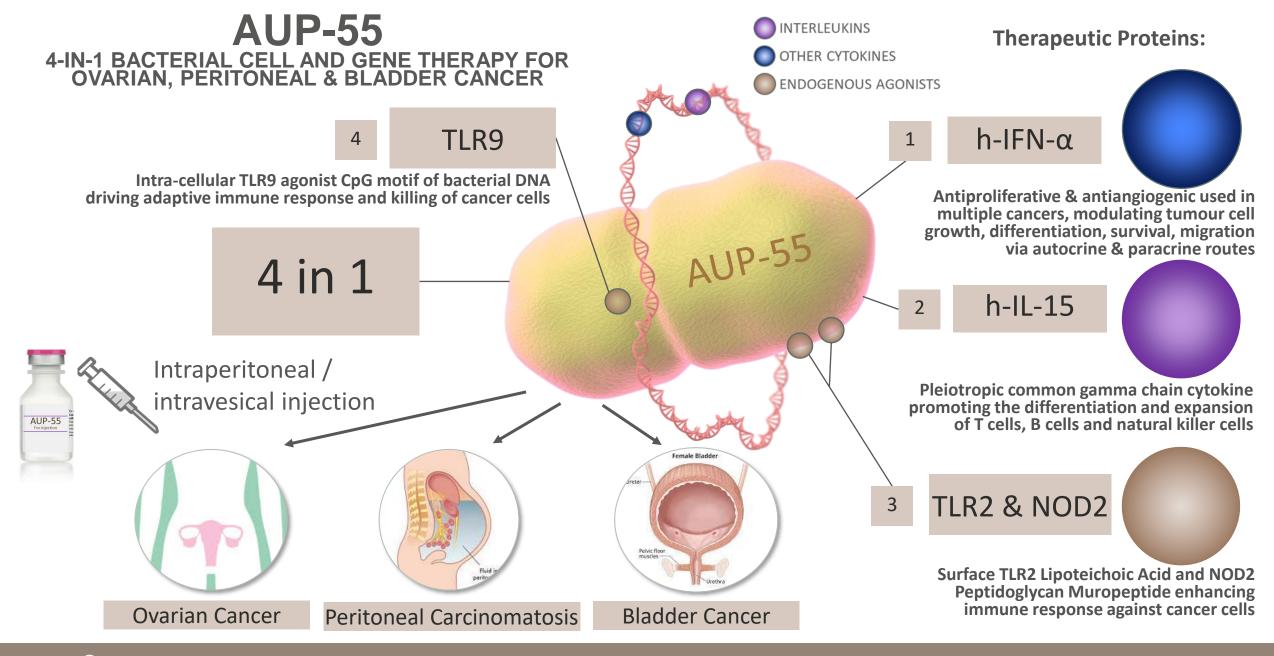
SUPERIOR EFFICACY TO CURRENT PRODUCTS

Faster Healing	Higher Total-closure			
	Rate			

AUP-16 Phase 1 47d 83%

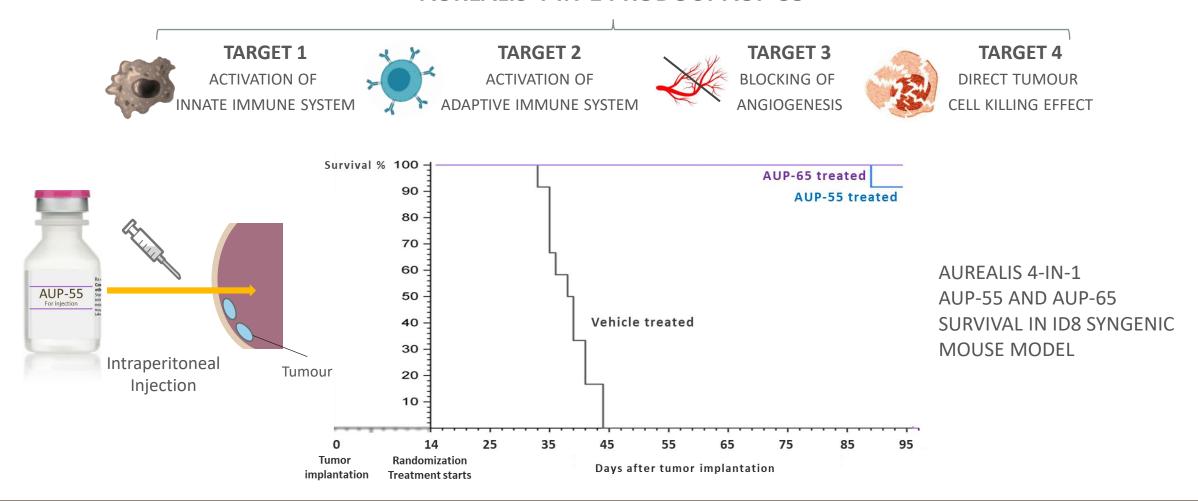
Skin substitutes 84d 60%

Standard of care 140d 30%



AUP-55: OVARIAN CANCER COMPLETE SURVIVAL WITH AUREALIS TREATMENT HITTING ALL FOUR KEY TARGETS

AUREALIS 4-IN-1 PRODUCT AUP-55





HOW DO WE DIFFERENTIATE FROM COMPETITION?

	Aurealis Therapeutics platform	Non-pathogenic bacteria-based	Pathogenic bacteria-based	Viral vectors	Human cell and tissue therapies
Enables 4-in-1 targeting	\bigcirc	\bigotimes	\bigotimes	\bigotimes	\otimes
Non-pathogenic	\bigcirc	\bigcirc	\bigotimes	\bigotimes	\bigcirc
Controllable when administered	\bigcirc	\bigcirc	\bigcirc	\bigotimes	\otimes
Cost of goods and manufacturing scalability	\bigcirc	\bigcirc	\bigcirc	\bigotimes	\bigotimes
Easy to use	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\otimes

Cell and gene therapy **technology platform comparison**. Separate competition analysis in each indication.

FINANCING

30 MCHF RAISED 2013-2021

20 MCHF equity and 10 MCHF non-diluting funding

10 MCHF ROUND

- Fully diluted pre-money valuation 30 MCHF
- Successfully over-subscribed Q1/2023

35 MCHF ROUND - TRANCHED

• Q3/2023 – Q1/2024, Q4/2024



OPERATIVE TEAM WITH TRACK RECORD IN CELL AND GENE THERAPY



CEO Juha Yrjänheikki



CMO Haritha Samaranayake





Finance Director Maija Rusi



Clinical Director Lothar Pache



Genetic Engineering & Manufacturing Director Igor Mierau





















STRONG IPR PORTFOLIO

- I. AUP-16 extended composition of matter and medical use globally granted patents
 - USA, EU, Japan, China, South Korea, Australia, Canada, India etc.
- II. Proprietary plasmid technology platform PCT filed (published)
- III. Discovery stage technology platform PCT to be filed (non-published)
- IV. Discovery stage technology platform PCT to be filed (non-published)

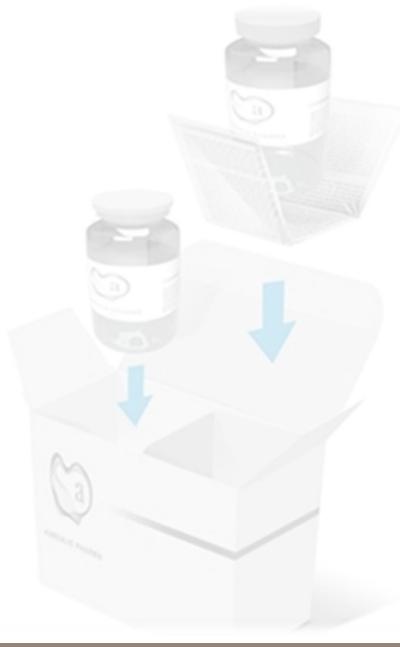












OUR VISION FOR 2025

Phase 2 data diabetic foot ulcer

Phase 2 data venous leg ulcer

Phase 2 data pressure ulcer

Phase 1 initiated in ovarian cancer

Keep options open: trade sale or stay as a profitable biopharma company (possible IPO)



CONTACTS:

CEO Juha Yrjänheikki, juha@aurealistherapeutics.com COO Laurent Décory, laurent@aurealistherapeutics.com



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