

# AUREALIS THERAPEUTICS MULTI-THERAPY BACTERIAL VECTOR PLATFORM FOR WOUNDS AND CANCER

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#### **THE NEED:** MASSIVE UNMET NEED AND MARKET OPPORTUNITY



4 Mn & 6.5 Mn Annual Incidence EU & US



30% 2 year mortality



30% Total healthcare costs (>€100Bn)



1 amputation Every 30 seconds



25-50% Hospital beds occupied



Rising prevalence per year

12%

#### **CHRONIC WOUNDS**

\$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





<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



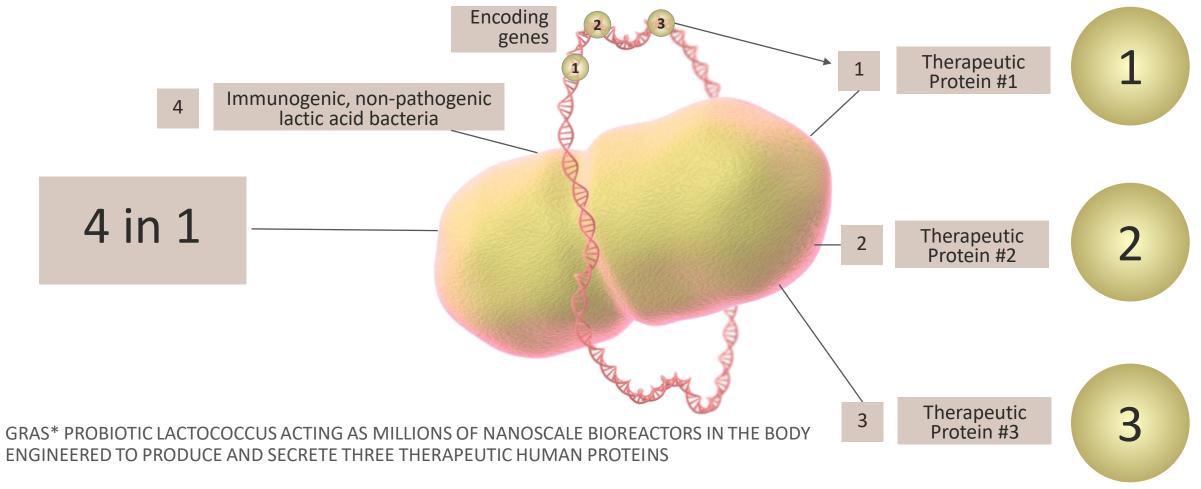
### THE PROBLEM:

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



### THE SOLUTION: AUREALIS THERAPEUTICS 4-IN-1 PLATFORM

CELL & GENE PLATFORM ENABLING MULTITARGET THERAPY AS ONE PRODUCT



\*GRAS (FDA): GENERALLY RECOGNIZED AS SAFE

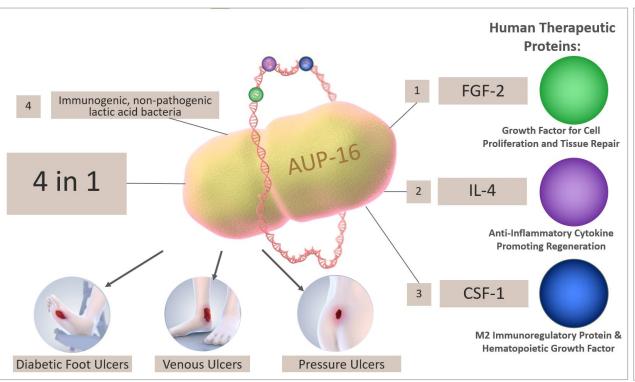


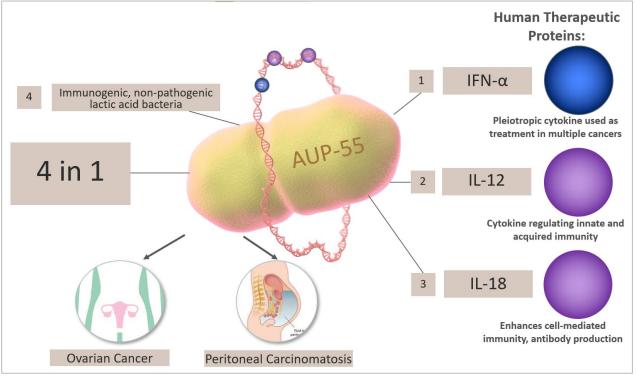
#### MODULAR MULTI-THERAPY BACTERIAL VECTOR PLATFORM

#### **GENE ENCODING OPTIONS CONSTRUCTS THERAPY AREAS CHRONIC WOUNDS** FGF-2 CSF-1 IL-4 **ONCOLOGY** IL-12 IL-18 IFN-α **INFLAMMATION INTERLEUKINS** CSF-1 IL-4 **OTHER CYTOKINES** OTHER **GROWTH FACTORS** Plug & play versatility ENZYMES, ScFv...

# AUP-16 THE 4-IN-1 SOLUTION FOR CHRONIC WOUNDS

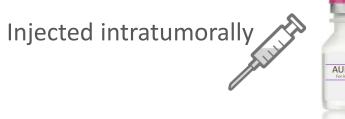
# AUP-55 THE 4-IN-1 SOLUTION FOR OVARIAN CANCER & PERITONEAL CARCINOMATOSIS















### PRODUCT PORTFOLIO

#### MULTI-TARGET CELL & GENE 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-65	Third Cancer Indication								
Inflammation	AUP-18	Dermatology (undisclosed)								
	AUP-20	Metabolic (undisclosed)								

<sup>\*</sup>Partner customized new construct/product with desired 2-3 human therapeutic proteins can be created in 6 weeks.



### HOW 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	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigotimes$	$\bigotimes$
Cost of goods and manufacturing, and 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.



## CONTACTS:

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**AUREALIS THERAPEUTICS** 

MULTI-TARGET CELL & GENE THERAPIES
FOR UNMET MEDICAL NEEDS



