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This report contains certain forward-looking statements based on uncertainty, since they relate to events and depend on circumstances that will occur in future and which, by their nature, will have an impact on the results of operations and the financial condition of Targovax. Such forward-looking statements reflect the current views of Targovax and are based on the information currently available to the company. Targovax cannot give any assurance as to the correctness of such statements.

There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in these forward-looking statements. These factors include, among other things, risks or uncertainties associated with the success of future clinical trials; risks relating to personal injury or death in connection with clinical trials or following commercialization of the company's products, and liability in connection therewith; risks relating to the company's freedom to operate (competitors patents) in respect of the products it develops; risks of non-approval of patents not yet granted and the company's ability to adequately protect its intellectual property and know-how; risks relating to obtaining regulatory approval and other regulatory risks relating to the development and future commercialization of the company's products; risks that research and development will not yield new products that achieve commercial success; risks relating to the company's ability to successfully commercialize and gain market acceptance for Targovax' products; risks relating to the future development of the pricing environment and/or regulations for pharmaceutical products; risks relating to the company's ability to secure additional financing in the future, which may not be available on favorable terms or at all; risks relating to currency fluctuations; risks associated with technological development, growth management, general economic and business conditions; risks relating to the company's ability to retain key personnel; and risks relating to the impact of competition.



THE IMMUNO-ONCOLOGY REVOLUTION

- > 500,000 patients treated per year
- > 3,000 ongoing clinical trials
- > 40% of US cancer patients eligible
- > 10 approved products





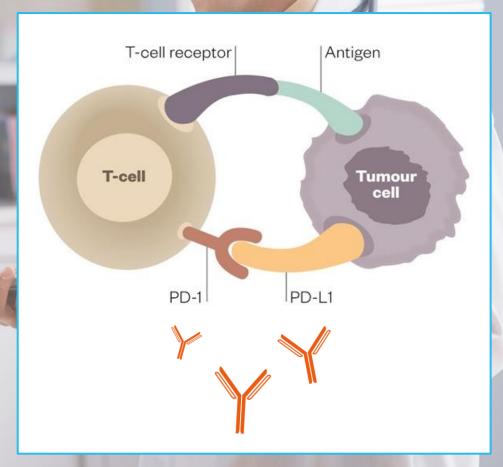
FIRST GENERATION IMMUNO-ONCOLOGY: CHECKPOINT INHIBITORS

Cornerstone of current cancer treatment

Deep and durable responses

\$25b annual sales globally

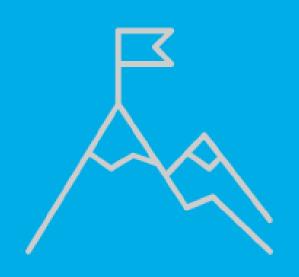
7 products approved to date, many more in development





THE CHALLENGE:

MAKE PD1 CHECKPOINT INHIBITORS WORK FOR MORE PATIENTS



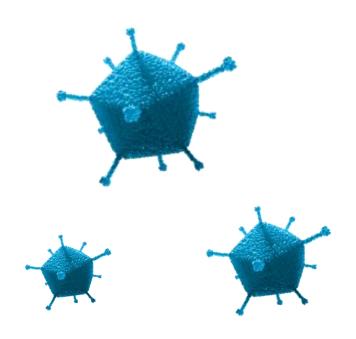
0-40% of treated patients respond

>50% of responding patients relapse

1+ PD1 checkpoint inhibitor monotherapy not sufficient



THE SOLUTION: ONCOS-102 IMMUNE ACTIVATION

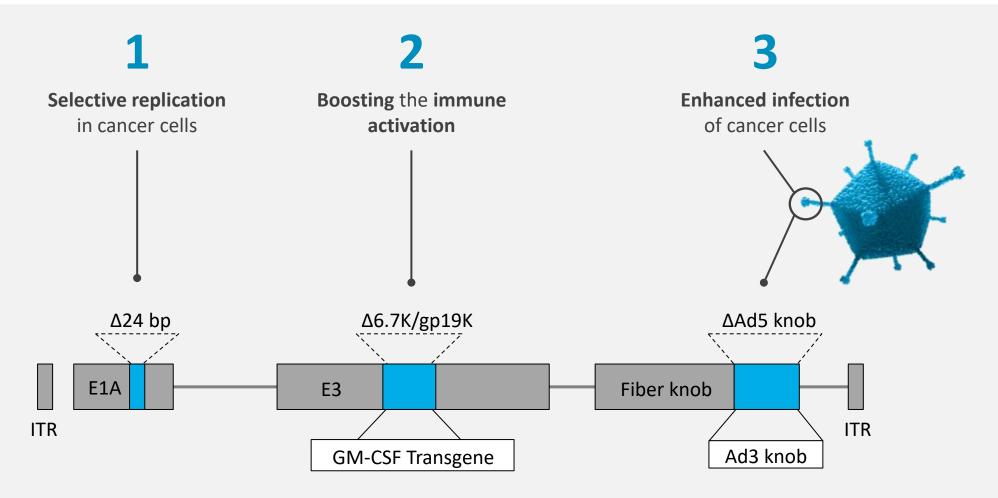


Unblinds the tumor to the immune system

Activates the body's own T-cells against the cancer

Reverses immunosuppressive defense mechanisms in the tumor

ONCOS-102 IS AN ONCOLYTIC ADENOVIRUS SEROTYPE 5 ARMED WITH AN IMMUNE ACTIVATING TRANSGENE





CLINICAL AND PRECLINICAL PIPELINE

Product candidate	Preclinical	Phase 1	Phase 2	Phase 3	Next expected event
	Refractory Melanoma Platform trial				2022 First patient
ONCOS-102	Mesothelioma Combination w/pemetrexed	/cisplatin		2H 2021 Survival update	
	Metastatic Colorectal cancel Combination w/anti PDL1	r			1H 2022 Clinical data
Next Gen viruses					Preclinical data and selection of candidates
Novel mutRAS concepts		 			Preclinical data and selection of candidates



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Product candidate	Preclinical	Phase 1	Phase 2	Phase 3	Next expected event
	Refractory Melanoma Platform trial				
ONCOS-102	Mesothelioma Combination w/pemetrexed/cisplatin				



35% ORR AND SYSTEMIC EFFECT IN ANTI-PD1 REFRACTORY MELANOMA

Patient population

- Advanced, unresectable melanoma
- O Disease **progression** despite prior treatment with anti-PD1
- 20 patients, 11 stage III and 9 stage IV

Treatment regime

- O Part 1: 3 ONCOS-102 injections followed by 5 months of Keytruda
- Part 2: 12 ONCOS-102 injections priming and concomitantly

Clinical data

- **35% ORR** by RECIST 1.1 and irRECIST
 - 1 Complete Response (CR) (Part 1)
 - 6 Partial Responses (PR) (2 in Part 1, 4 in Part 2)
- Multiple examples of systemic effect
- O Robust systemic and local **immune activation**
- Well tolerated, no safety concerns

CASE EXAMPLE: PATIENT WITH COMPLETE RESPONSE

Tumor response, 1 of 1 injected lesion

Baseline

Week 3

Week 9

Week 18

Week 27 (EoS)



Progression on pembrolizumab



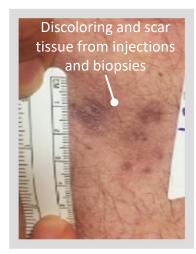
3x ONCOS-102 only (no pembrolizumab)



3x ONCOS-102 & 2x pembrolizumab



3x ONCOS-102 & 5x pembrolizumab



3x ONCOS-102 & 8x pembrolizumab

Patient characteristics

Tumor stage at enrolment: IIIb

T4a, N2b, M0

RECIST 1.1: CR, week 9-27

Prior therapies:

Surgery (x3)

Ipilimumab

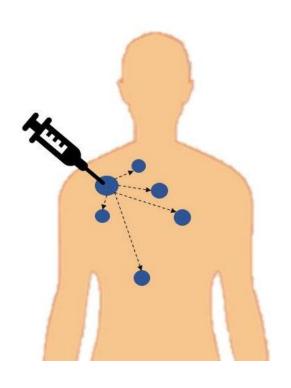
Dabrafenib + Trametinib

Pembrolizumab



MULTIPLE EXAMPLES OF SYSTEMIC (ABSCOPAL) EFFECT

TWO PATIENTS WHERE A NON-INJECTED LESION COMPLETELY DISAPPEARED



Conservative definition of abscopal effect per lesion:

- ≥30% tumor reduction from baseline
- ≥ 5mm absolute reduction

Abscopal effect observed in 4 / 20 patients (20%)

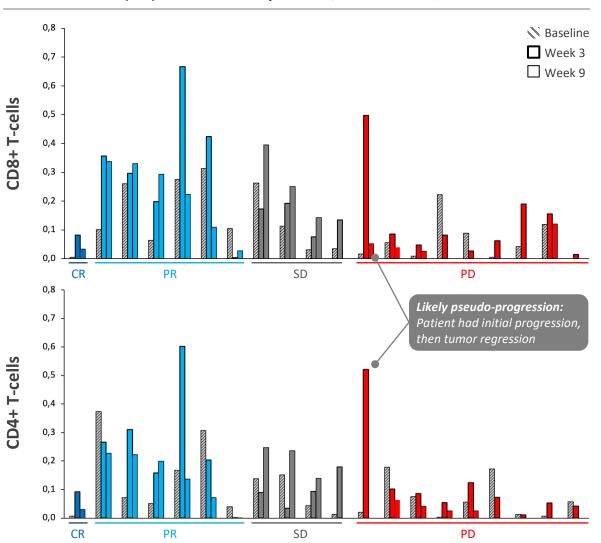
- 1 / 8 patients in Part 1 (12.5%)
- 3 / 12 patients in Part 2 (25%)

Complete regression (100%) of a non-injected lesion observed in two patients

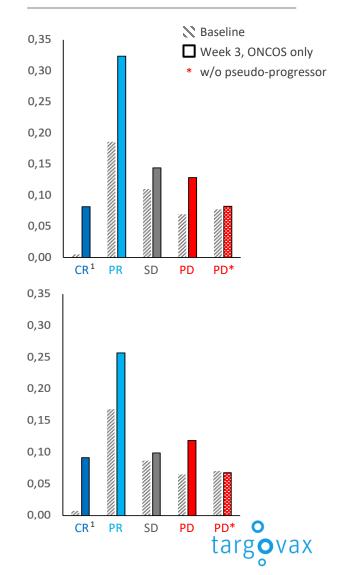


CLINICAL EFFECT SUPPORTED BY IMMUNE DATA

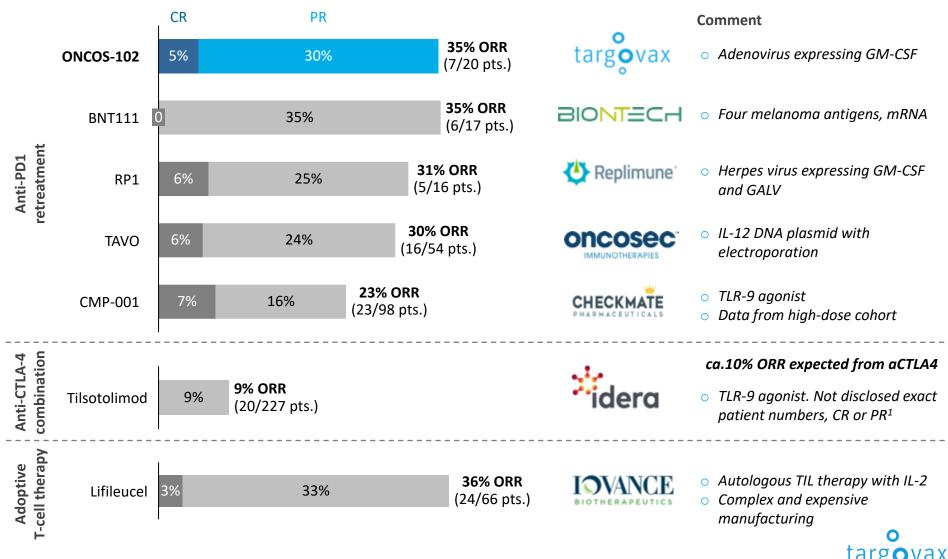
T-cell infiltrate (TIL) for individual patients; tumor mIHC, relative level



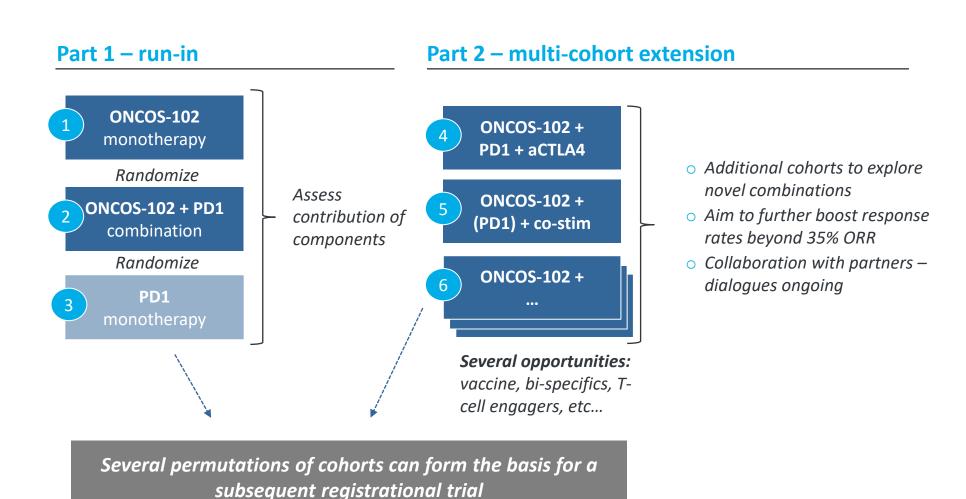
Average T-cell level per group



ONCOS-102 HAS DEMONSTRATED CLASS-LEADING EFFICACY IN PD1-REFRACTORY MELANOMA



MELANOMA PHASE 2 PLATFORM TRIAL TO EXPLORE MULTIPLE ONCOS-102 COMBINATIONS





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Product candidate	Preclinical	Phase 1	Phase 2	Phase 3	Next expected event
	Refractory Melanoma Platform trial				
	Metastatic Colorectal cancer Combination w/anti PDL1	r			
Next Gen viruses					



PHASE 1/2 COLLABORATION TRIAL COMBINING ONCOS-102 AND IMFINZI

Collaborators



LUDWIG CANCER RESEARCH



Patient population

- Primary colorectal cancer with peritoneal metastases
- Failed prior standard-of-care 5-FU based chemotherapy

Treatment regime

- 6 ONCOS-102 intraperitoneal infusion (once per week)
- 12 cycles of Imfinzi (starting on day 15)

Status

- Safety lead-in data presented at ASCO 2020
- O Clinical data and immune data expected 1H22

TARGOVAX AT A GLANCE

ONCOS-102 is
the best clinically
documented
immune activator
in refractory solid
tumors

ONCOS-102: Novel immune activator with clinical efficacy in several solid tumors in monotherapy and in combination with anti-PD1 and chemotherapy

MoA confirmed in multiple indications: Broad local and systemic immune activation associated with clinical outcome

Preparing a platform trial based on class-leading responses: 35% ORR in anti-PD1 refractory melanoma and FDA fast track designations

Market Exclusivity: ONCOS-102 is protected by composition of matter and method of use patents until 2037, orphan drug designation in the US and EU

Pipeline assets: Expanding the pipeline of novel assets with collaboration partners, and a phase 2 ready mutRAS vaccine

