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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's 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.

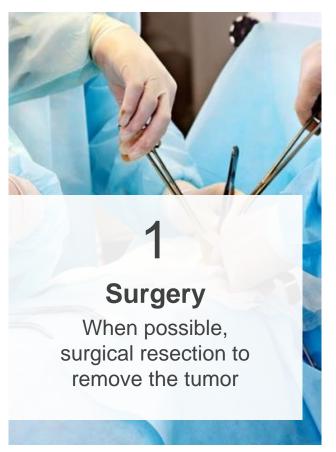


Introduction

- 2. ONCOS oncolytic virus program
- 3. TG mutRAS neoantigen vaccine
- 4. Corporate overview



From a sequential treatment strategy directly targeting the cancer...



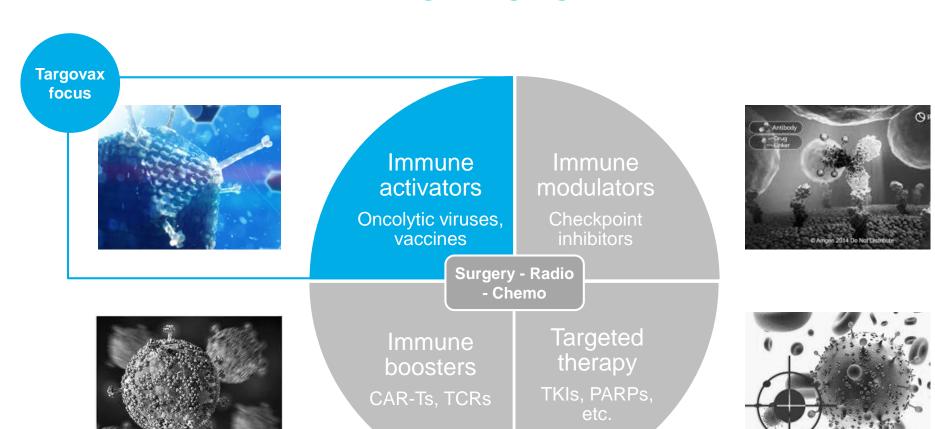






...to an integrated combination approach

HARNESSING THE POWER OF THE PATIENT'S OWN IMMUNE SYSTEM





Two programs in clinical development, with an

ONCOLYTIC VIRUS LEAD PRODUCT CANDIDATE



Oncolytic virus

Lead product candidate

- Genetically armed adenovirus
- Triggers prodction of T-cells targeting the patient's specific tumor
- 4 ongoing trials



Pipeline product

- Shared neoantigen, therapeutic cancer vaccine
- Triggers prodction of T-cells targeting mutant RAS cancers
- 1 recently completed, 1 ongoing trial

Triggers patientspecific responses

No need for individualization





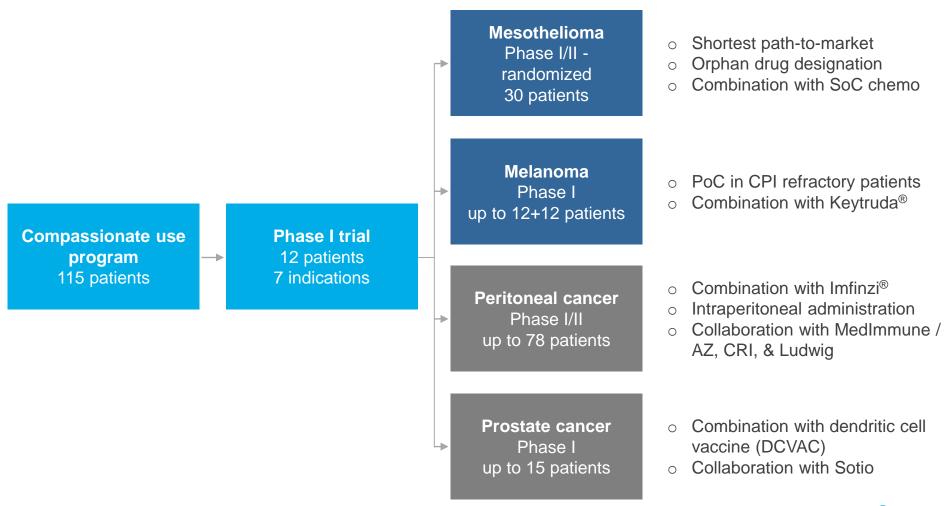
ONCOS oncolytic virus program

- 3. TG mutRAS neoantigen vaccine
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ONCOS CLINICAL PROGRAM OVERVIEW





ONCOS-102 CLINICAL DATA SO FAR



Various solid **tumors** Ph I Monotherapy

Immune activation

Efficacy

o Innate: 12/12

o Adaptive: 11/12

- 40% disease control rate
- 2 long-term survivors
- Survival correlated with TIL increase
- Abscopal effect detected

Mesothelioma Ph I/II randomized with SoC chemo

- o Innate: 6/6
- o Adaptive: 3/4

- 50% Disease control rate
 - 1 partial response
 - 2 stable disease

Melanoma Ph I Combo with Keytruda[®]

- o Innate: 6/6
- o Adaptive: 4/4

- 1 complete response, w/supporting immune data
- o 3 local responders, but with distal progression

COMPLETE RESPONSE IN MELANOMA PATIENT



Baseline



Progression on Keytruda®

Week 3



3x ONCOS-102 injections

Week 9



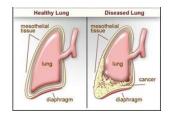
Complete response (CR) after 3x ONCOS-102 injections & 2 Keytruda® infusions





ONCOS CLINICAL DEVELOPMENT STRATEGY

Path-to-market
Orphan indication

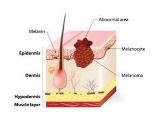


Target launch indication

- o Mesothelioma
- Orphan drug status
- o Combo with SoC

2

Proof-of-conceptRe-activating CPIs



CPI refractory cancers

- CPI refractory melanoma
- o Combo w/PD-1

3

Proof-of-concept New CPI indications



Indications with no/ limited effect of CPIs

- Ovarian and colorectal cancer with spread to peritoneum
- o Combo w/PD-L1

4

Next generation oncolytic viruses



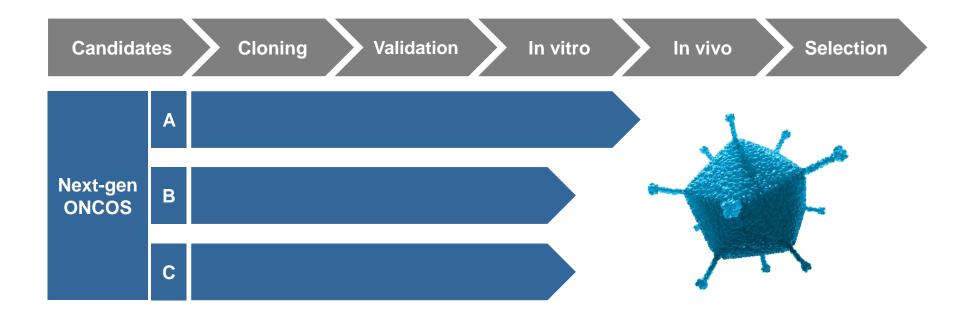
Platform expansion with new targets

- o Ongoing in vivo testing
- Novel targets and mode-of-action



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PRECLINICAL DEVELOPEMENT NEXT GENERATION ONCOLYTIC VIRUSES



- Adenoviruses same backbone as ONCOS-102
- Targets and transgenes undisclosed
- Unique modalities that affects the micro tumor environment and the immune system in different ways





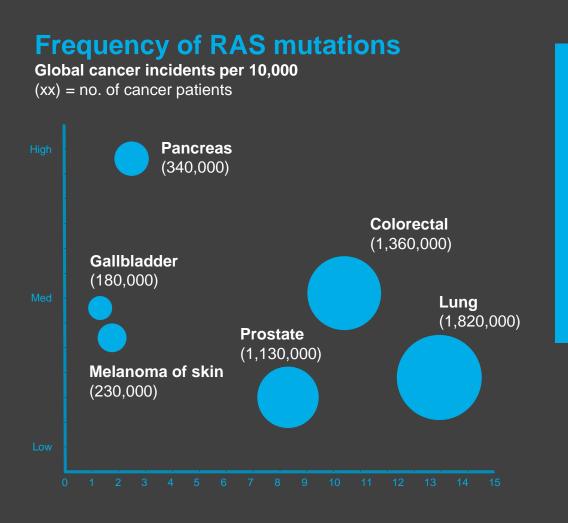
TG mutRAS neoantigen vaccine

4. Corporate overview



The RAS gene is mutated in

90% OF PANCREATIC AND 50% OF COLORECTAL CANCERS

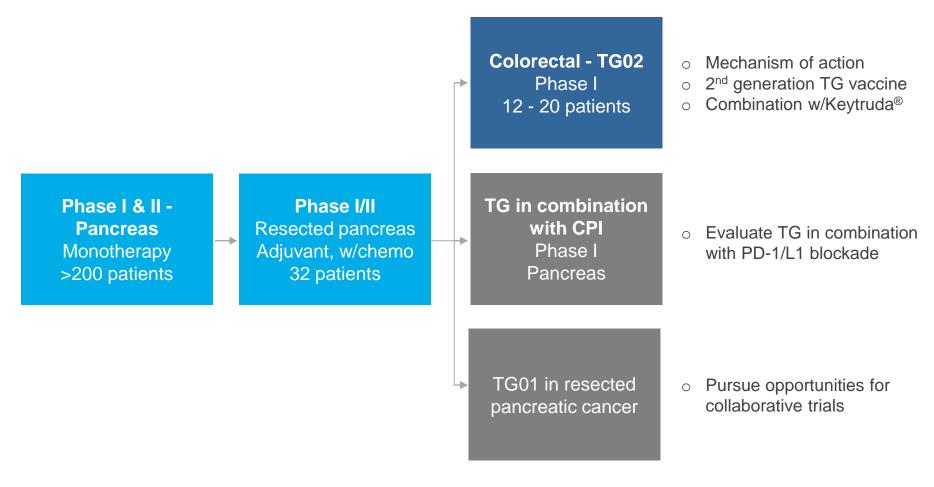


- RAS mutations are oncogenic and result in uncontrolled cell division
- There are no existing therapies targeting RAS mutations
- Targovax' TG program is a unique neoantigen vaccine approach for mutant RAS cancer





TG CLINICAL PROGRAM OVERVIEW

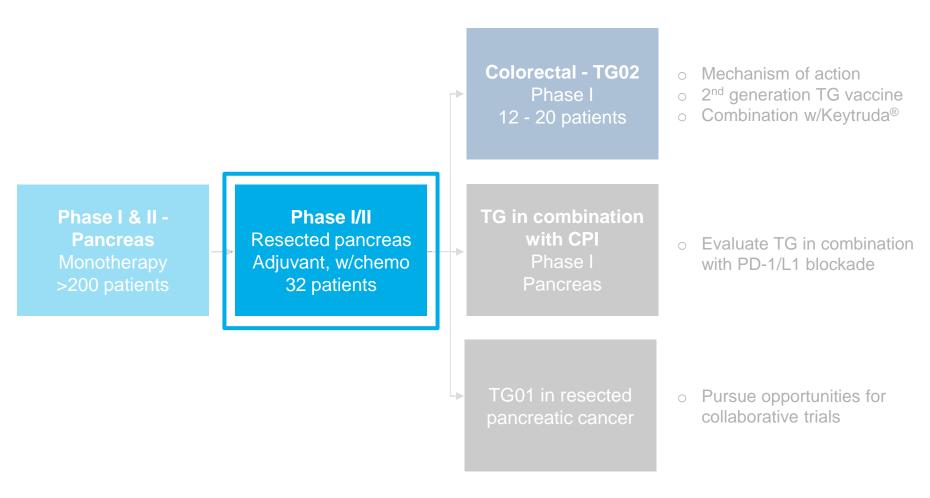






TG CLINICAL PROGRAM OVERVIEW

Phase I/II trial in resected pancreas cancer recently completed







TG01 IN RESECTED PANCREATIC CANCER SIGNAL OF EFFICACY SEEN IN PHASE I/II TRIAL

Median overall survival	 33.4 vs. 27.6 months reported in the ESPAC4 trial for gemcitabine alone (from time of surgery) First cohort: 33.1 months Second cohort: not yet reached 				
Median disease free survival (DFS)	 16.1 vs. 13.1 months reported in the ESPAC4 trial for gemcitabine alone (from time of surgery) First cohort 13.9 months Second cohort 19.5 months 				
mutRAS immune activation	94% (30 out of 32 patients) had RAS-specific immune activation				
Dosing and safety	Dosing regimen improved and TG01 is well-tolerated				

First cohort: 19 pts, Second cohort: 13 pts. Total 32 pts.



Corporate overview



PIPELINE OVERVIEW AND MILESTONES

Platform	Product candidate	Preclinical	Phase I	Phase II	Phase III	Next expected event
ONCOS oncolytic adenovirus	ONCOS-102	Mesothelioma Comb. w/ pemetrexed/cis	platin			1H 2020 Randomized ORR data
		Melanoma Comb. w/Keytruda [®]				1H 2019 ORR and immune data first cohort
		Peritoneal metastasis Collab: Ludwig, CRI & AZ Comb. w/Imfinzi®		†		Update by collaborator, expected 2019
		Prostate Collab: Sotio Comb. w/Dcvac				Update by collaborator, expected 2019
	Next-gen ONCOS	3 viruses undisclosed		 	1 1 1 1	2H 2019 First pre-clinical data
TG neo-antigen cancer vaccine	TG01	Pancreatic cancer Comb. w/gemcitabine				TBD
	TG02	Colorectal cancer Proof-of-mechanism Comb. w/Keytruda®		 		1H 2019 Immune activation and mechanistic data (mono)
	TG02	CPI synergy TG + PD-1				2019 First pre-clinical data



ACTIVATING THE PATIENT'S IMMUNE SYSTEM

to fight cancer

ONCOS-102: lead product

Strong single agent data
Several upcoming data points

TG: clinical effect in pancreas

First cancer vaccine to show immune activation against a driver mutation

Ideal combination product

Innovative pipeline

Next generation viruses in testing

