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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.



ONCOLYTIC VIRUSES IN THE FUTURE CANCER THERAPY LANDSCAPE

CANCER THERAPY LANDSCAI

Targovax
focus

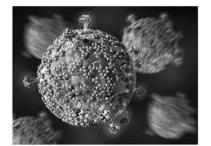


Immune activators
Oncolytic viruses

Immune modulators

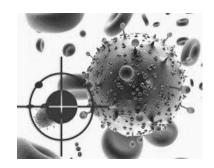
Checkpoint inhibitors

Surgery - Radio - Chemo



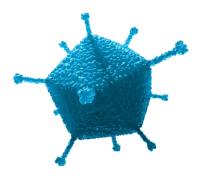
Immune boosters CAR-Ts, TCR Targeted therapy TKIs, PARPs, etc.







ONCOS PROGRAM HIGHLIGHTS



ONCOS oncolytic virus

Adenovirus Serotype 5

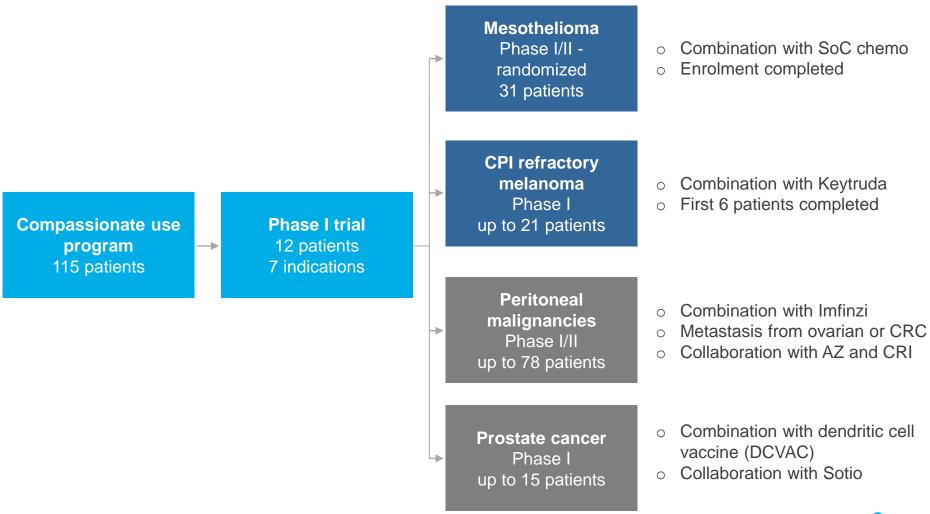
- Genetically engineered to selectively infect cancer cells
- Turns cold tumors hot
- Single agent phase I trial completed
- Four ongoing clinical trials
- Combination with both checkpoint inhibitors and chemotherapy
- Rich news flow over the next 24 months

Activates the immune system

Triggers patientspecific immune responses

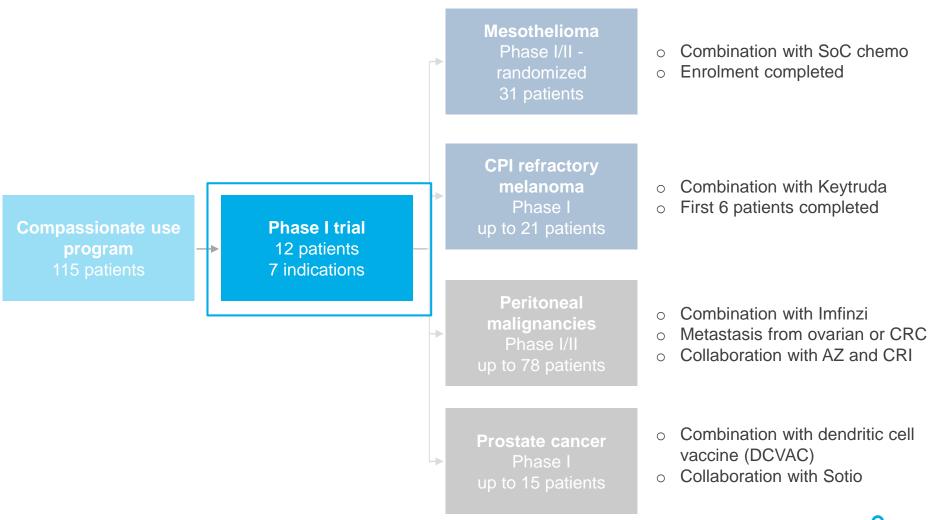
No need for individualization

ONCOS-102 CLINICAL DEVELOPMENT PROGRAM





ONCOS-102 CLINICAL DEVELOPMENT PROGRAM



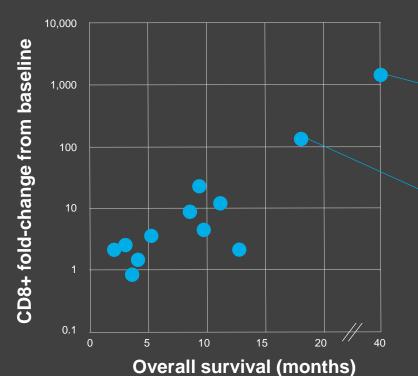


ONCOS-102 Phase I single agent proof-of-concept

CD8+ T-CELL INFILTRATION CORRELATES WITH SURVIVAL

Fold-change CD8+ T-cell count vs. survival

r = 0.75 p = 0.005



Case example #1 - Ovarian cancer

- Failed on 5 types of chemotherapy
- >1,000-fold increase in CD8+ T-cell infiltration
- Stable disease for 3 years, survived for 3.5 years

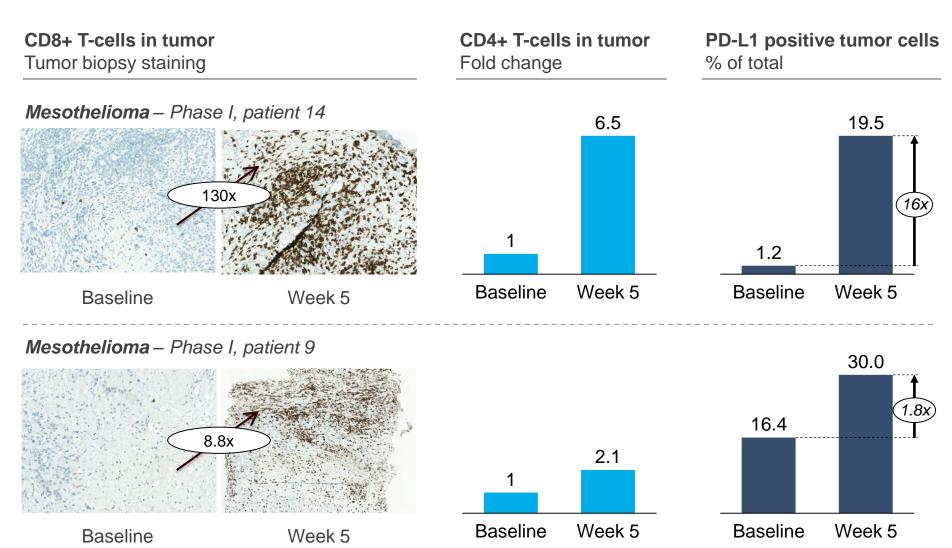
Case example #2 - Mesothelioma

- Radio- and chemotherapy refractory
- 130-fold increase in CD8+ T-cell infiltration
- 47% reduction of tumor on PET 6 weeks after last ONCOS-102 injection, survived 18 months



ONCOS-102 MONOTHERAPY IN MESOTHELIOMA

turning cold tumors hot

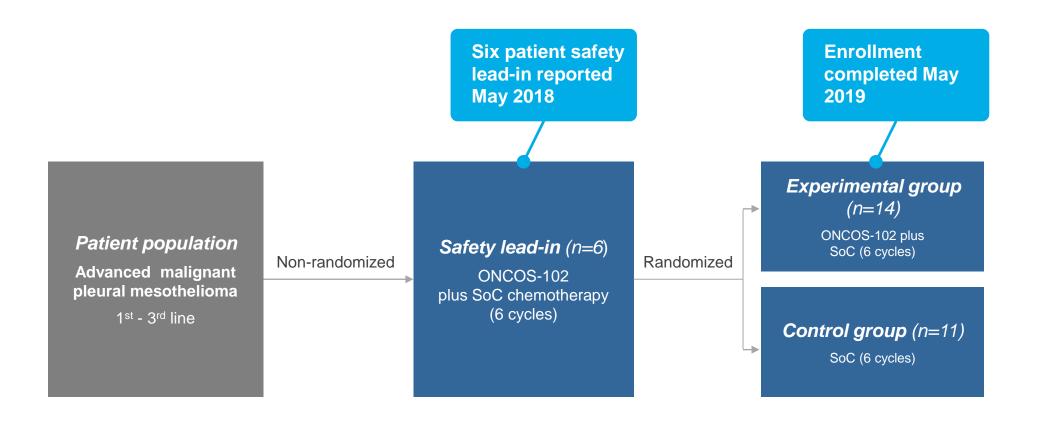


ONGOING ONCOS-102 PHASE II IN MESOTHLIOMA

Mesothelioma Phase I/II -Combination with SoC chemo **Enrolment completed** randomized 31 patients **CPI** refractory melanoma Combination with Keytruda First 6 patients completed **Compassionate use** Peritoneal Combination with Imfinzi Metastasis from ovarian or CRC Collaboration with AZ and CRI Combination with dendritic cell **Prostate cancer** vaccine (DCVAC) Collaboration with Sotio



ONCOS-102 in malignant pleural mesothelioma PHASE I/II STUDY DESIGN IN COMBINATION WITH SoC





MESOTHELIOMA ONCOS-102 PATH-TO-MARKET

Rationale for ONCOS-102 go-to-market strategy in mesothelioma:

Become frontline therapy

- Preclinical data and phase I results indicate activity in mesothelioma
- Ongoing randomized trial combining with chemo
- Good safety profile

Orphan Drug Designation

- High unmet medical need;orphan drug designation
- Opportunity for priority regulatory review, and quick route-to-market
- 7-10 year market exclusivity

Limited competition

- CPIs are potential combinations
- No competing viruses

RICH NEAR-TERM NEWS FLOW

ONCOS program pipeline overview

Product candidate	Preclinical	Phase I	Phase II	Phase III	Next expected event
ONCOS-102	Mesothelioma Combination w/ pemetrexed/cisplatin				Around new year 2020 Randomized ORR data
	Melanoma Combination w/Keytruda				1H 2019 ORR and immune data first patient cohort
	Peritoneal metastasis Collaborators: Ludwig, CF Combination w/Imfinzi	RI & AZ			Update by collaborator
	Prostate Collaborator: Sotio Combination w/DCvac				Update by collaborator
Next-gen ONCOS	3 new viruses Double transgene				2H 2019 First pre-clinical data



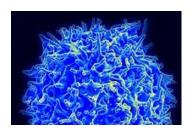
NEXT GENERATION ONCOS VIRUSES: DOUBLE TRANSGENES AND DISTINCT MODE OF ACTIONS

Target tumors

Development status

- ONCOS-210
 Inhibition of tumor growth and vascularization
- Highly invasive or metabolic tumors

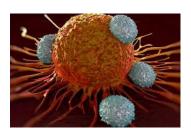
- o In vitro testing completed
- First in vivo testing completed



ONCOS-211

Counteract immunesuppressive tumor microenvironment

- "Cold" immune suppressive tumors
- In vitro testing completed
- In vivo testing ongoing



ONCOS-214

Enhanced cell killing properties

- Rapidly growing or large size tumors
- In vitro testing completed
- In vivo testing ongoing



ACTIVATING THE PATIENT'S IMMUNE SYSTEM

to fight cancer

Clinically proven

One of the furthest developed oncolytic viruses

Strong single agent data

Rich news flow

Several upcoming data points

Innovative pipeline

Next generation viruses in testing