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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.





- 2. ONCOS oncolytic virus program update
- 3. 2Q & 1H 2018 Financials



TARGOVAX AIM IS TO ACTIVATE THE PATIENT'S OWN

IMMUNE SYSTEM TO FIGHT CANCER

Targovax focus



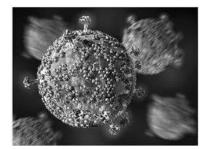
Immune activators

Oncolytic viruses, vaccines

Immune modulators

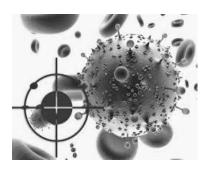
> Checkpoint inhibitors

Surgery - Radio - Chemo



Immune boosters **Targeted** therapy







Targovax has two programs in clinical development, with an ONCOLYTIC VIRUS LEAD PRODUCT CANDIDATE



ONCOS Oncolytic virus

Lead product candidate

- Genetically armed adenovirus
- Alerts the immune system to the presence of cancer antigens
- Induces T-cells specific to the patients' tumor
- 4 ongoing clinical trials

Activates the immune system

Triggers patientspecific responses

No need for individualization



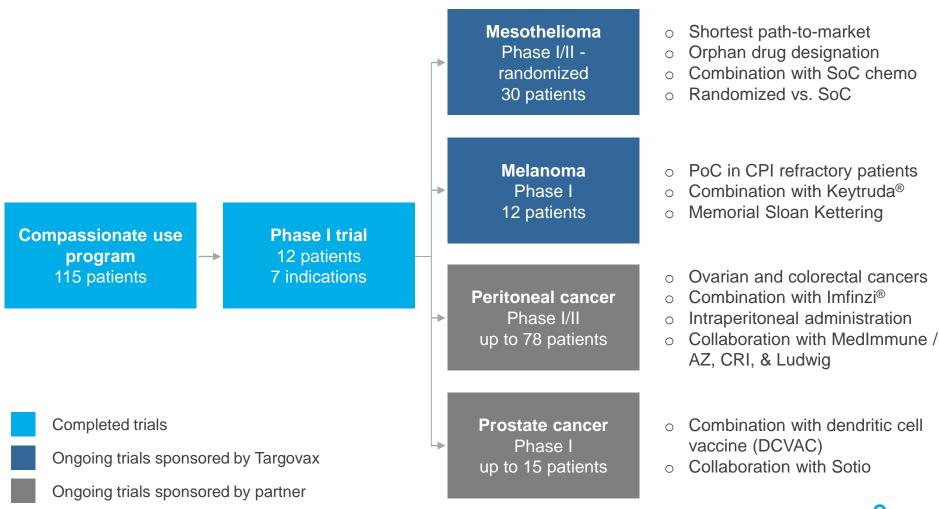
TG
Neoantigen
vaccine

Pipeline product

- Shared neoantigen, therapeutic cancer vaccine
- Triggers the immune system to recognize mutant RAS cancers



ONCOS CLINICAL PROGRAM OVERVIEW





1H 2018 HIGHLIGHTS

ONCOS-102 Mesothelioma phase I/II trial:

- Six patient safety lead-in cohort completed without any concerns
- All patients were immune activated
- 50% disease control rate was observed after 6 months

ONCOS-102 Melanoma CPI refractory phase I trial:

 ONCOS-102 generated both innate and adaptive immune activation in all of the first 4 patients treated

TG01 Resected pancreatic cancer phase I/II trial:

Encouraging 2-year and median overall survival data was reported

Corporate development:

- Strengthened development focus on ONCOS as lead clinical program
- Targovax was granted a product patent in the EU for TG02
- Dr. Catherine Wheeler was elected to the Board of Directors

Post-period

During period

ONCOS-102 Peritoneal cancer phase I/II trial in combination w/ Imfinzi®:

Safety evaluation of first dose cohort completed without any concerns

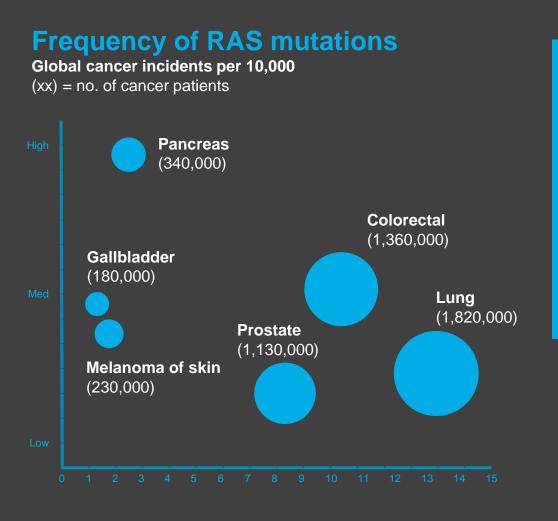
ONCOS-102 Prostate cancer phase I trial in combination w/ DCVAC:

First patient has been dosed



The RAS gene is mutated in

90% OF PANCREATIC AND 50% OF COLORECTAL CANCERS

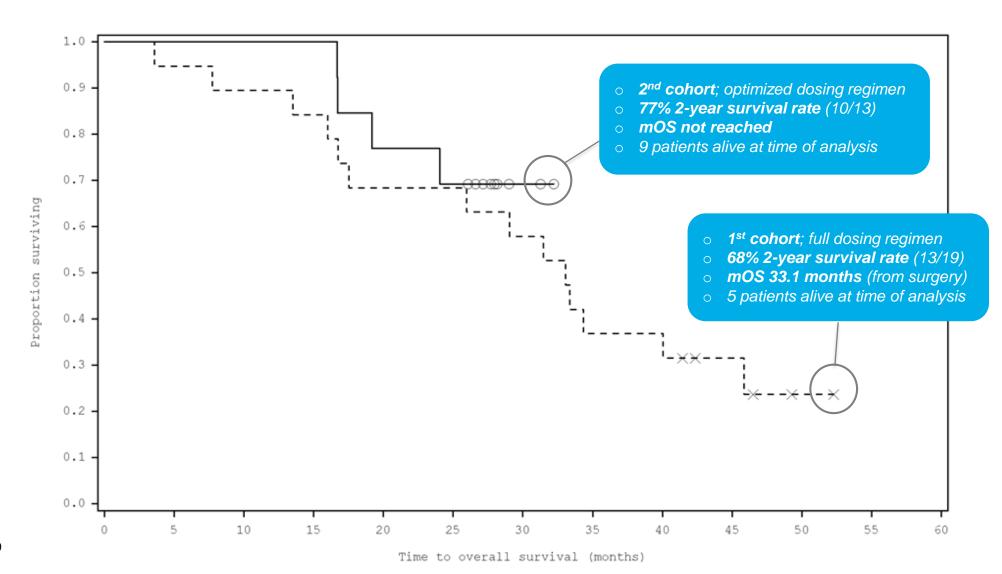


- RAS mutations are oncogenic and result in uncontrolled cell division
- There are no existing therapies targeting RAS mutations
- Targovax' TG program is a unique vaccine approach for mutant RAS cancer



TG01 CURRENT KAPLAN-MAIER SURVIVAL CURVES

First (n=19) and second (n=13) patient cohort



TG01 IN RESECTED PANCREATIC CANCER SIGNAL OF EFFICACY DEMONSTRATED IN PHASE I/II TRIAL WITH ADJUVANT CHEMOTHERAPY

Median overall survival (N=32)	33.4 vs. 27.6 months reported in the ESPAC4 trial for gemcitabine alone (preliminary, counting from time of surgery)					
2-year survival rate	23 out of 32 patients alive two years after surgery (72%), comparing to 30-53% two-year survival with gemcitabine alone					
mutRAS immune activation	30 out of 32 patients (94%) had RAS-specific immune activation					
Dosing and safety	Dosing regimen defined and TG01 is well-tolerated in combination with chemotherapy					
PRODIGE trial Folfirinox now expected	Phase III trial of adjuvant Folfirinox vs. Gemcitabine (n=493) ¹ O ASCO 2018 late breaker, Investigator-led academic study					

o **Median OS:** 54.4 vs. 35.0 months

new standard of care

TG CLINICAL DEVELOPMENT STRATEGY

1
Resected pancreatic cancer



TG01 indication

- Ph I/II completed
- Next steps being reassessed
- ~40 000 incidents

2 Colorectal cancer



TG02 lead indication

- o Ph I trial ongoing
- o 50% mutRAS
- ~0.5m incidents

3 Lung cancer (NSCLC)

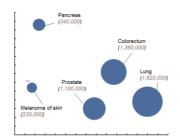


TG02 potential future indication

- o 30% mutRAS

4 All mutRAS

cancers



TG02 + TG03 longterm potential

Up to 30% of all cancer patients





ONCOS oncolytic virus program update

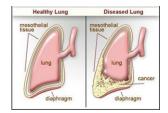
3. 2Q & 1H 2018 Financials



ONCOS CLINICAL DEVELOPMENT STRATEGY

1

Path-to-market Mesothelioma

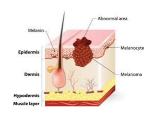


Target launch indication

- Orphan drug status
- Aim to become addition to SoC
- Ongoing phase I/II
- o 15,000 patients per year

2

Proof-of-concept CPI refractory



Indications with no/ limited effect of CPIs

- Ongoing melanoma phase I
- o Combo w/PD-1
- >100,000 patients per year

3

Proof-of-concept New CPI indication



Peritoneal malignancies

- Ongoing phase I/II in ovarian and colorectal
- Combo w/PD-L1
- >100,000 patients per year

4

Next generation oncolytic viruses



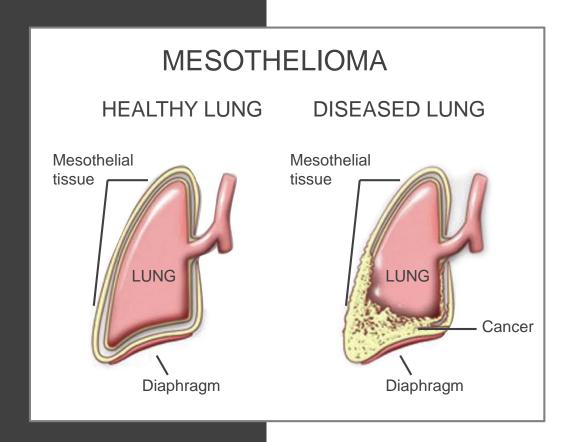
Double transgene adenoviruses

- Novel targets
- o Ongoing in vivo testing
- Broad spectrum of solid tumors



ONCOS-102 target launch indication MALIGNANT PLEURAL MESOTHELIOMA

- Orphan disease, estimated 15,000 new cases per year (EU, USA, Australia)
- Incidence is increasing and predicted to peak in 5-10 years
- Often caused by asbestos exposure, with a latency period of up to 40 years before diagnosis
- Aggressive cancer form with median survival of 12 months
- No significant treatment advance in the last decade





ONCOS-102 has the potential to become a breakthrough MESOTHELIOMA IS SHORTEST PATH-TO-MARKET

Rationale for ONCOS-102 opportunity in mesothelioma:

Become frontline therapy

- Preclinical data and phase I results indicate potential of ONCOS-102 in mesothelioma
- Ongoing randomized phase I/II trial combining ONCOS-102 with SoC chemotherapy
- Good safety profile

Orphan Drug Designation

- High unmet medical need,
 ONCOS-102 has orphan
 drug designation
- Opportunity for priority regulatory review, and quick route-to-market
- 7 year market exclusivity in the US and 10 years in the EU

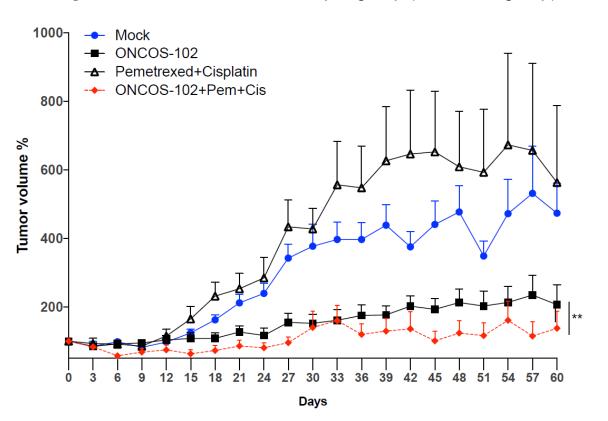
Limited competition

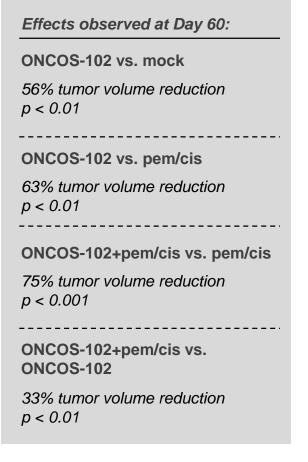
- CPIs show some early signs of efficacy, but are potential ONCOS-102 combinations, rather than competitors
- No/few competing viruses and vaccines in current clinical development in mesothelioma

SYNERGY BETWEEN ONCOS-102 AND CHEMOTHERAPY

demonstrated in mesothelioma mouse model

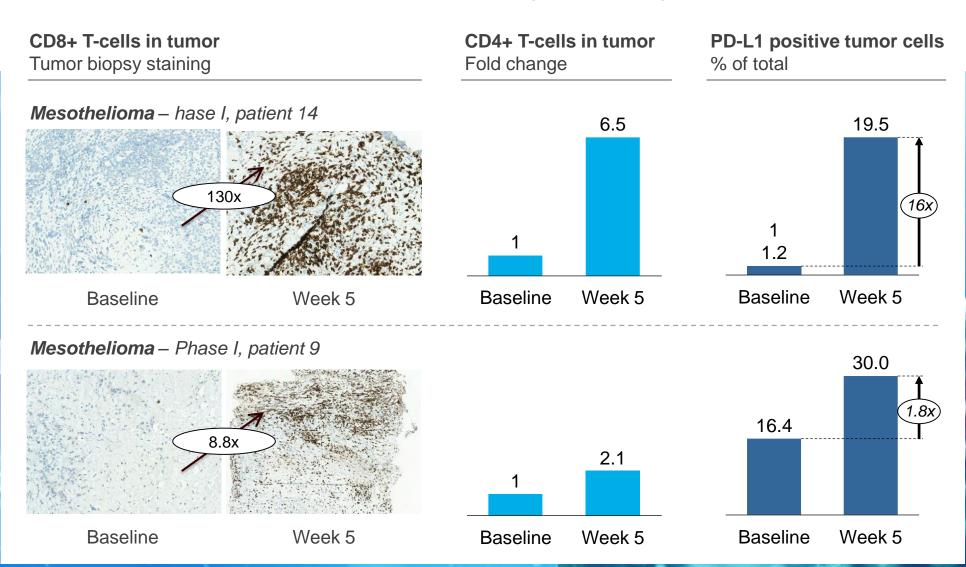
Anticancer effect of ONCOS-102 and standard of care chemotherapy in xenograft mouse mesothelioma model % change in tumor volume, 7 animals per group (14 tumors/group)



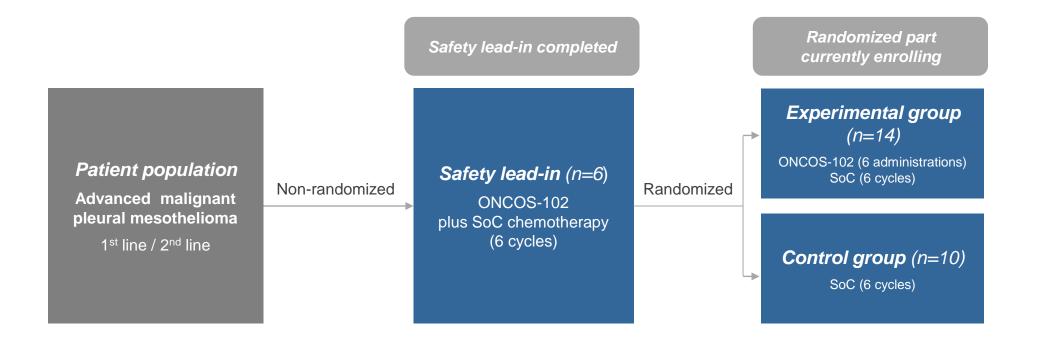


ONCOS-102 CAN TURN MESOTHELIOMA HOT

demonstrated in 2 of 2 mesothelioma patients in phase I basket trial



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





Ongoing ONCOS-102 malignant pleural mesothelioma Phase I/II trial SIGNAL OF EFFICACY IN THE FIRST 6 PATIENTS

1 Safety

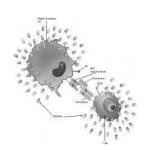
 ONCOS-102 welltolerated in combination with chemotherapy



2

Innate immune activation

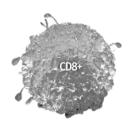
Systemic increase of proinflammatory cytokines in 6/6 patients (IL-6, TNFα and IFNy)



3

Adaptive immune activation

✓ Increase in tumor infiltration of CD4+ and CD8+ T-cells in 3/4 patients



4

Clinical activity

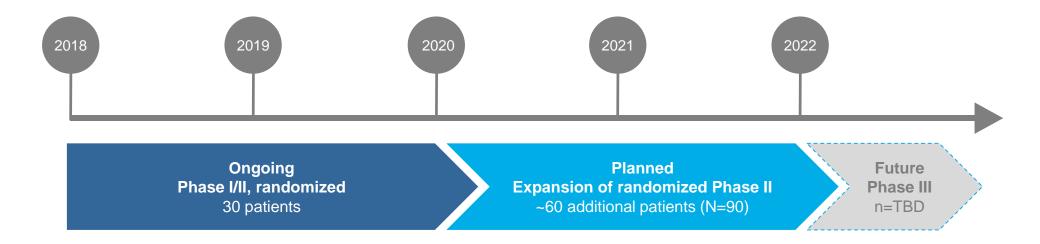
- Clinical activity
 seen in 3/6
 patients after 6
 months
- ✓ 50% disease control rate





ONCOS-102 in malignant pleural mesothelioma

DEVELOPMENT STRATEGY AND INDICATIVE TIMELINES



- Randomized ORR and OS data 30 patients
- Decide on possible CPI combination arm
- EMA & FDA advisory meetings

- Randomized ORR and OS data 90 patients
- Potentially use as basis for a submission for conditional approval
- Potentially start Phase III
 OS trial for full MAA



WHY ONCOS-102?

1 In vivo efficacy

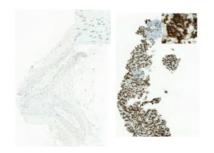


- Efficacy shown in both melanoma and mesothelioma models
- Demonstrated synergy with both CPIs and chemotherapy

Innate immune activation



 Strong innate immune activation as single agent, and in combinations, in nearly all injected patients 3 CD8+ T-cell response



- Validated to induce cancer specific
 CD8+ T-Cells both clinically and in vivo
- Both systemic and tumor-infiltrating
 T-cells

4
Well tolerated



- >130 patients treated to date
- Well-tolerated both as monotherapy and in combination with CPIs and chemotherapy





2Q & 1H 2018 Financials

TARGOVAX HAS A SOUND FINANCIAL POSITION

with cash to complete the planned clinical program well into 2H 2019

Operations

Cash end of 2Q - Jun 30th 2018

201 / 25

NOK million USD million

Net cash flow - total 2Q

-28 / **-3**

NOK million USD million

Annual run rate - last four quarters

109 / 13

NOK million USD million

The share

Market Cap - at share price NOK ~10

600 / 70

NOK million USD million

Daily turnover - rolling 6 month avg.

2.6 / 0.3 / 0.5

NOK million USD million

% of share capital

Analyst coverage

DNB, ABG Sundal Collier, Arctic, Redeye, Edison



TARGOVAX IS LISTED ON THE OSLO STOCK EXCHANGE

and included in the OSEBX index as of December 2017



- USD ~70 m market cap
- USD 0,3m avg. daily turnover in last 6 months
- USD 25m total turnover in 2Q
- 240k shares avg. daily volume in 2Q
- ~ 4,100 owners
- 52.6m shares(57.4 fully diluted)

R&D PIPELINE OVERVIEW AND MILESTONES

Platform	Product candidate	Preclinical	Phase I	Phase II	Phase III	Last event	Next expected event
ONCOS	ONCOS-102 oncolytic adenovirus	Mesothelioma Comb. w/ pemetrexed	I/cisplatin ¹			Phase Ib safety lead-in cohort, incl. immune activation and ORR data (6 pts)	1H 2020 Randomized ORR data 30 pts
		Melanoma Comb. w/KEYTRUDA	8	 		First safety review, incl. immune activation (4 pts)	2H 2018 Interim immune and ORR data
		Peritoneal cancers ^{2,3} Partner: Ludwig, CRI Comb. w/IMFINZI®		 		First dose escalation cohort safety review (4 pts)	Update by partner, expected 2019
		Prostate ³ Partner: Sotio Comb. w/DCVAC		 	 	First patient dosed	Update by partner, expected 2019
	Next-gen ONCOS	3 viruses undisclosed	 		 	Virus construct cloning and in vitro validation	1H 2019 Target disclosure and <i>in vivo</i> data
TG	TG02 neo-antigen cancer vaccine	Colorectal cancer Proof-of-mechanism Comb. w/KEYTRUDA	8	 	 	First safety review, incl. immune activation data (3 pts)	1H 2019 Immune activation and mechanistic data
	TG01/02 neo-antigen cancer vaccine	CPI synergy TG + PD-1	 	 	 		1H 2019 TG02 + PD-1 combination in vivo data

¹ Current standard of care chemotherapy for patients with unresectable malignant pleural mesothelioma



Ongoing partner sponsored trials

² Patients with advanced peritoneal disease, who have failed prior standard chemotherapy and have histologically confirmed platinum-resistant or refractory epithelial ovarian or colorectal cancer

³ Partner sponsored trials

