

Activating the patient's immune system to fight cancer

1Q 2019

9 May 2019

targovax

IMPORTANT NOTICE AND DISCLAIMER

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.

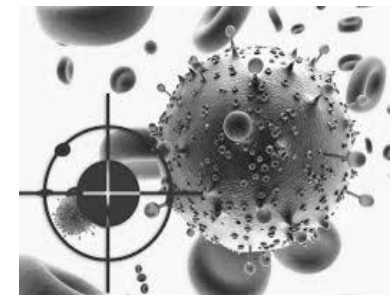
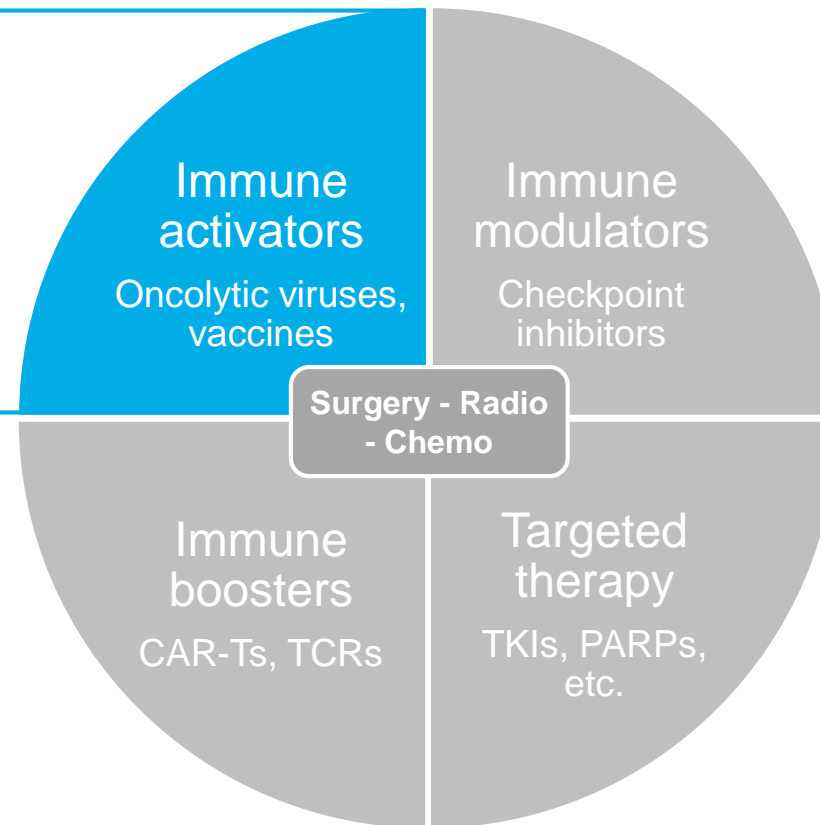
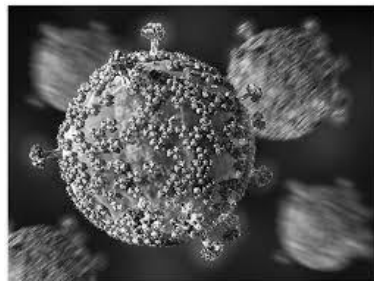
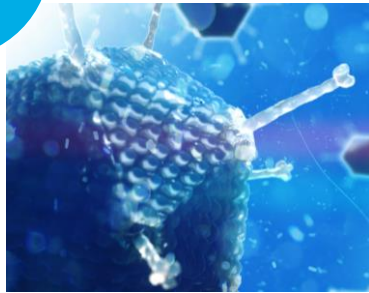
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Intro & Highlights

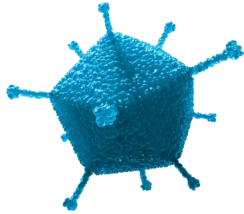
2. ONCOS oncolytic virus program
3. TG mutant RAS vaccine program
4. 1Q 2019 Financials

TARGOVAX'S POSITION IN THE FUTURE CANCER THERAPY LANDSCAPE

Targovax
focus



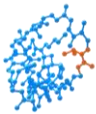
Two programs in clinical development, with an ONCOLYTIC VIRUS LEAD PRODUCT CANDIDATE



ONCOS
Oncolytic virus

Lead product candidate

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



TG
Neoantigen
vaccine

Pipeline product

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

Triggers patient-specific responses

No need for individualization

1Q HIGHLIGHTS

ONCOS

- Treated the first patient in the dose expansion cohort in the melanoma trial
- Completed enrollment of ONCOS-102 trial in mesothelioma (May)
- Finalized first development stage for new viruses, filed patents on three viruses

TG

- Signed collaboration agreement with Parker Institute for Cancer Immunotherapy and Cancer Research Institute

Corporate

- Received patent in the EU for TG in combination with chemotherapies, and a Notice of Allowance in the US for TG02 and TG03
- Granted Zelluna an FTO license to IP relating to mutant RAS T-cell receptor technology
- Raised NOK 74m in a Private Placement

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ONCOS oncolytic virus program

- 2. TG mutant RAS vaccine program
- 3. 1Q 2019 Financials

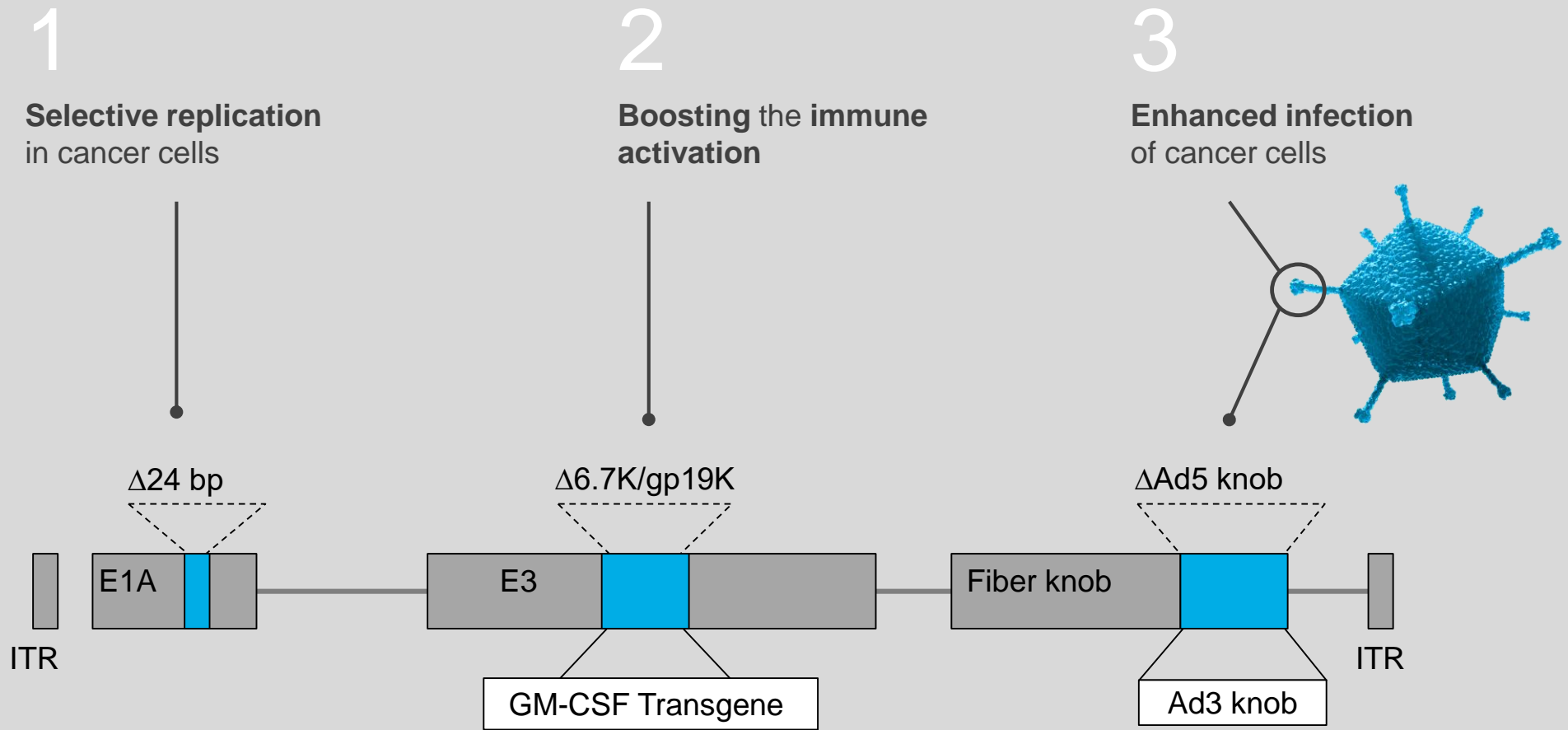
PIPELINE OVERVIEW AND MILESTONES

Platform	Product candidate	Preclinical	Phase I	Phase II	Phase III	Next expected event
ONCOS oncolytic adenovirus	ONCOS-102	Mesothelioma Comb. w/ pemetrexed/cisplatin				Around New Year Randomized data
		Melanoma Comb. w/Keytruda				1H 2019 ORR and immune data first cohort
		Peritoneal metastasis ¹ 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				2H 2019 First pre-clinical data
TG neoantigen cancer vaccine	TG01	Pancreatic cancer Comb. w/gemcitabine				1H 2019 3-year survival data
	TG02	Colorectal cancer Proof-of-mechanism Comb. w/Keytruda				1H 2019 Immune activation and mechanistic data (mono)
	TG02	CPI synergy TG + PD-1				2H 2019 First pre-clinical data

¹ Patients with advanced peritoneal disease, who have failed prior standard chemotherapy and have histologically confirmed platinum-resistant or refractory epithelial ovarian or colorectal cancer

■ Ongoing collaborator sponsored trials

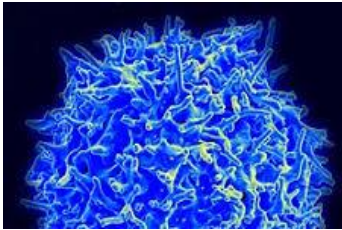
ONCOS-102 IS AN ONCOLYTIC ADENOVIRUS SEROTYPE 5 ARMED WITH A GM-CSF TRANSGENE



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

Target tumors

Development status

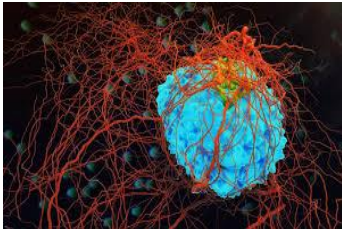


ONCOS-211

Counteract immune-suppressive tumor microenvironment

- “Cold” immune suppressive tumors

- *In vitro* testing completed
- *In vivo* testing ongoing

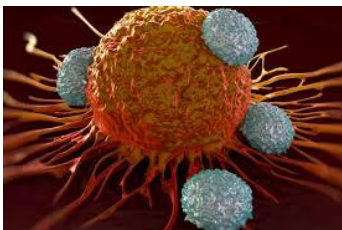


ONCOS-212

Inhibition of tumor growth and vascularization

- Highly invasive or metabolic tumors

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



ONCOS-214

Enhanced cell killing properties

- Rapidly growing or large size tumors

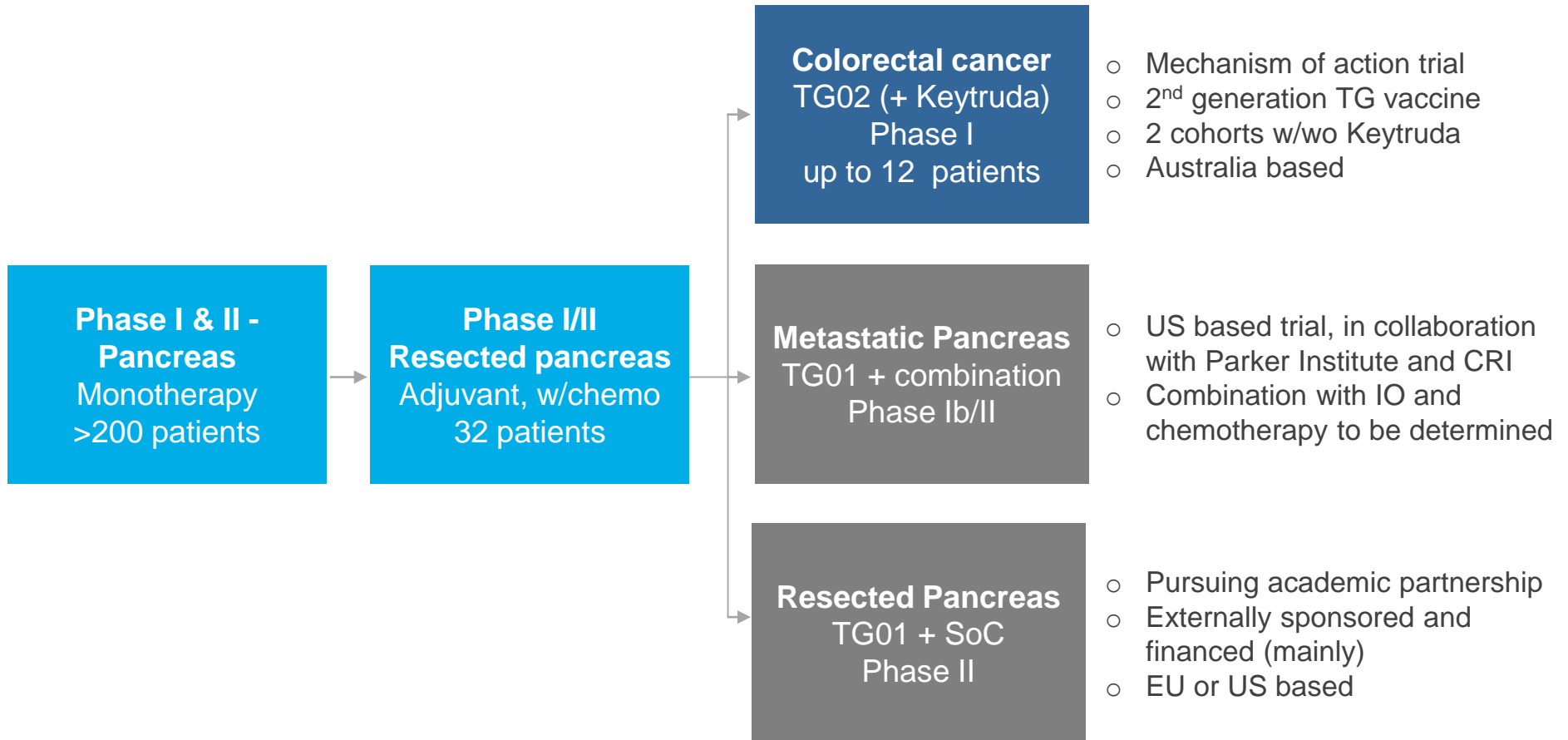
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- *In vivo* testing ongoing

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TG mutant RAS vaccine program

4. 1Q 2019 Financials

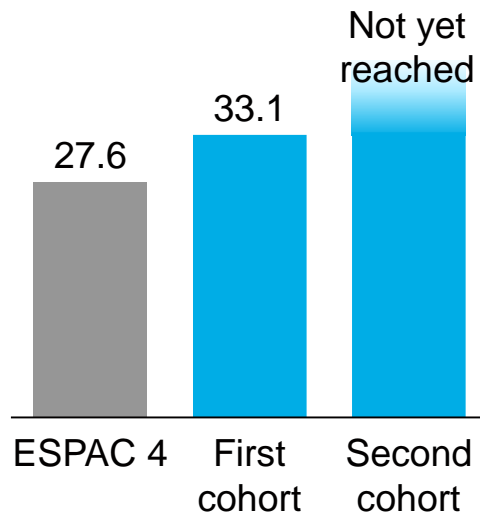
TG CLINICAL PROGRAM OVERVIEW



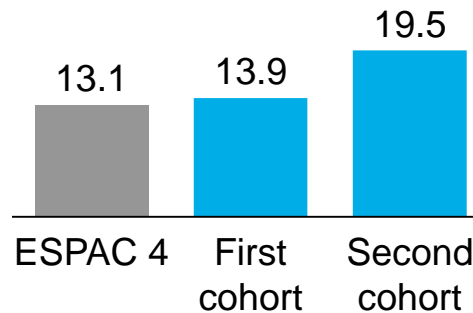
TG01 IN RESECTED PANCREATIC CANCER

EFFICACY SIGNAL SEEN IN PHASE I/II TRIAL

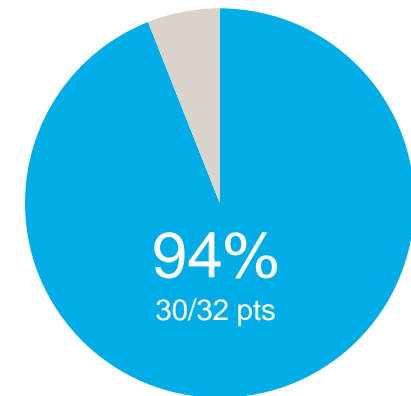
Median overall survival, months



Median disease free survival, months



RAS-specific immune activation



TG01 is well-tolerated - improved dosing regimen in second cohort

Preliminary data

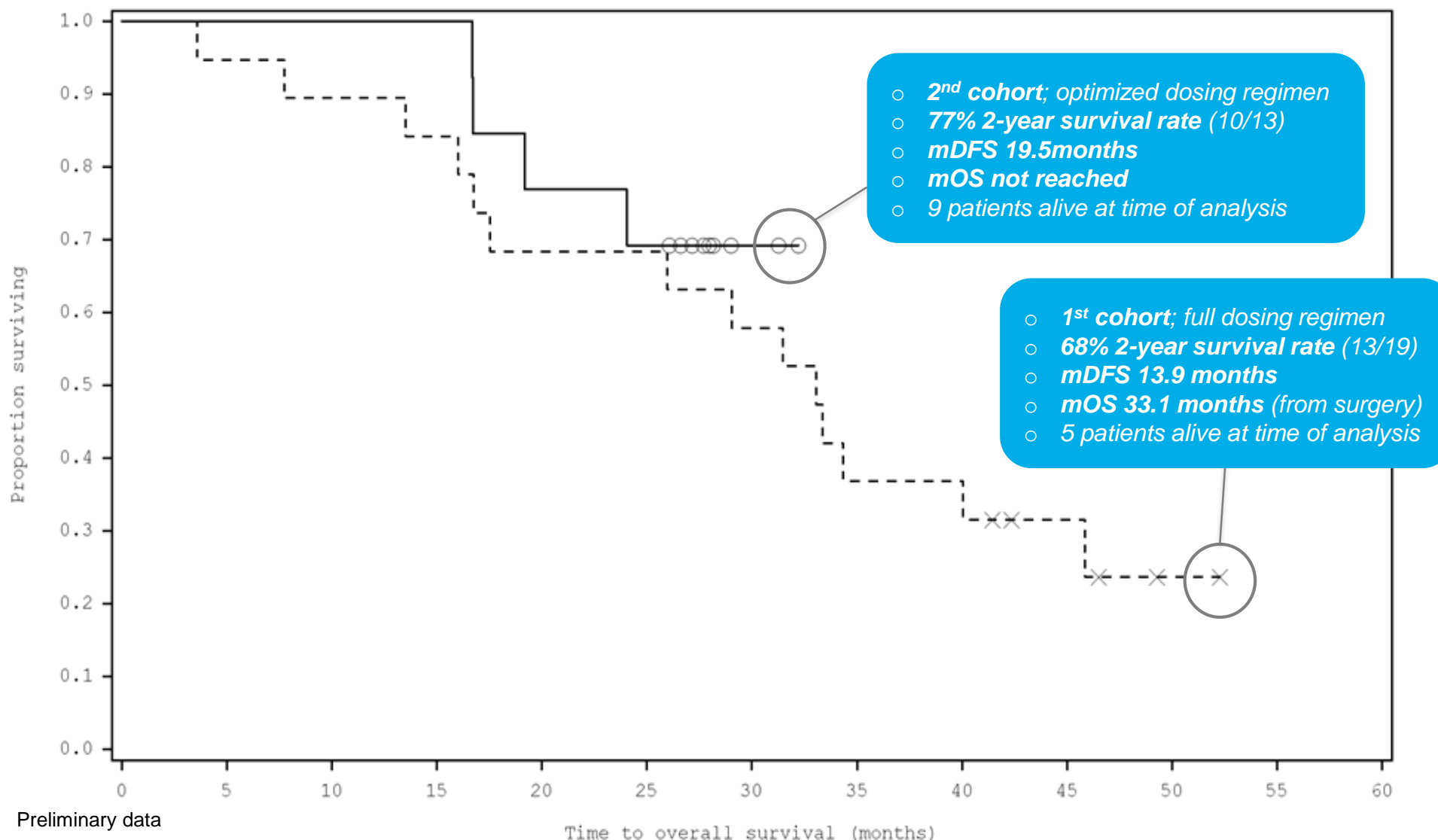
First cohort: 19 pts, Second cohort: 13 pts. Total 32 pts.

ESPAC4 trial for gemcitabine alone

DFS both cohorts: 16.1 months

TG01 resected pancreas cancer trial survival - first vs. second patient cohorts

3-YEAR SURVIVAL DATA IN MAY



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1Q 2019 Financials

TARGOVAX HAS A SOUND FINANCIAL POSITION

Operations

Cash end of 1Q – and PP proceeds

172 / 20

NOK million USD million

Net cash flow - total 1Q

-46 / -5

NOK million USD million

Annual run rate - last four quarters

124 / 14

NOK million USD million

The share

Market Cap - at share price NOK ~6,5

410 / 48

NOK million USD million

Daily turnover - rolling 6 month avg.

2.8 / 0.3 / 0.7%

NOK million USD million

Analyst coverage

DNB, ABG Sundal Collier, Arctic, Redeye,
Edison

PROFIT AND LOSS

NOK m	1Q18	2Q18	3Q18	4Q18	1Q19
Total revenue	0	0	0	0	0
External R&D expenses	-11	-14	-17	-21	-19
Payroll and related expenses	-16	-15	-12	-14	-14
Other operating expenses	-7	-7	-5	-7	-7
Total operating expenses	-34	-37	-34	-42	-40
Operating loss	-34	-37	-34	-42	-40
Net financial items	-1	-0	-1	1	-1
Loss before income tax	-35	-37	-35	-41	-41
Net change in cash	-32	-28	-27	-22	-46
Net cash EOP	229	201	173	151	105
Net cash including Private Placement					172

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Upcoming events

8-9 May	ChinaBio Partnering Forum, Shanghai, China
23 May	AX Exposure, live webcast
1-4 June	ASCO, Chicago, USA
3-6 June	Bio, Philadelphia, USA
3-7 June	Jefferies Healthcare Conference, NYC, USA
11 June	ABGSC Oncology seminar, Oslo, Norway

Upcoming milestones

1H 2019:	TG01 - <i>3-year survival data</i>
1H 2019:	Melanoma - <i>ORR and immune data first cohort</i>
1H 2019:	TG02 - <i>Immune activation and mechanistic data (TG mono)</i>

Subsequent Offering

Open: 10 May 2019 at 09:00 CET

Close: 24 May 2019 at 16:30 CET

Subscription price: NOK 7.00

Subscription rights:

Registered holders of the Company's shares as appearing in the VPS as of 25 March 2019 who were not allocated shares in the Private Placement

The Targovax logo is located in the bottom right corner of the slide. It consists of the word "targovax" in a lowercase, sans-serif font, with a stylized circular icon above the 'o'. The logo is white and is set against a blue circular background that overlaps with the molecular structure of the slide's background.

targovax



ACTIVATING THE PATIENT'S IMMUNE SYSTEM TO FIGHT CANCER

ONCOS-102 lead product

One of the furthest developed
oncolytic viruses

Strong single agent data

Several upcoming data points

TG mutRAS neoantigen vaccine

Clinical effect in resected
pancreatic cancer

Immune activation against
RAS mutations

Innovative pipeline

Next generation
viruses in testing

Neoantigen vaccine platform
with potential in TCR therapies