Ultimovacs

Enabling the immune system to fight cancer

Ultimovacs Company Presentation

6 September 2022

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Investment highlight: Next-Generation Universal Cancer Vaccine Off-the-shelf and easy to use immunotherapy that can be broadly applied

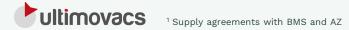
Combination Therapy with Checkpoint Inhibitors (CPI)	 Enhance immune checkpoint inhibitor activity Phase II trials combining UV1 with four CPIs respectively 			
Human Telomerase (hTERT): A Universal Cancer Cell Target	 hTERT expressed in 85-90% of cancers at all stages of tumor life Enables the immune system to identify and kill cancer cells 			
Strong Phase I Data	 Good safety and strong efficacy signals Robust immune response induction (durability >7.5 years) FDA recognition: Fast Track and Orphan Drug Designation 			
Broad Phase II Pipeline with Upcoming Catalysts	 Five phase II clinical trials enrolling >650 patients, 100 hospitals in 15 countries - addressing cancers with high unmet needs Expected readouts from 1H 2023 			
Strong Financial Position	 Total cash by end of Q2 2022 MNOK 486 (\$49m), runway to 1H 2024 Listed at OSE since 2019, strong shareholder base 			



Broad Phase II UV1 Pipeline with >650 Patients

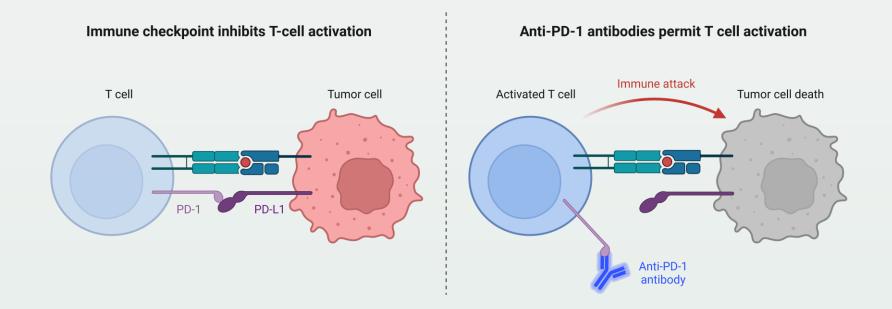
	Indication	Clinical trial information	Expected topline readout	Phase I	Phase II	Phase III	Contributors
	Malignant melanoma	With pembrolizumab 30 patients	-	UV1-103			
	Malignant melanoma	With ipilimumab & nivolumab 156 patients	H1 2023				
	Pleural mesothelioma	With ipilimumab & nivolumab 118 patients	H1 2023				Bristol-Myers Squibb ¹ Oslo
UV1	Ovarian cancer	With durvalumab & olaparib 184 patients	End of 2023*		DOVACC		AstraZeneca
	Head and neck cancer	With pembrolizumab 75 patients	End of 2023*		FOCUS		Martin-Luther University Halle
	Non-small cell lung cancer (NSCLC)	With pembrolizumab 138 patients	End of 2024*				• VESTRE VIKEN DRAMMEN HOSPITAL
TET	Prostate cancer	Dose finding trial, monotherapy 9-12 patients	-	TENDU			

Note: UV1 Phase II development is supported by good safety profile and signals of clinical efficacy observed in three Phase I trials where 52 patients with prostate cancer, lung cancer or malignant melanoma were included. Patients in these studies have been followed for at least five years. * FOCUS, DOVACC and LUNGVAC: Readout estimates will be updated with the Q4 2022 report



Checkpoint Inhibitors (CPI) has Transformed Cancer Therapy, but Stronger Immune Responses Required to Improve Efficacy

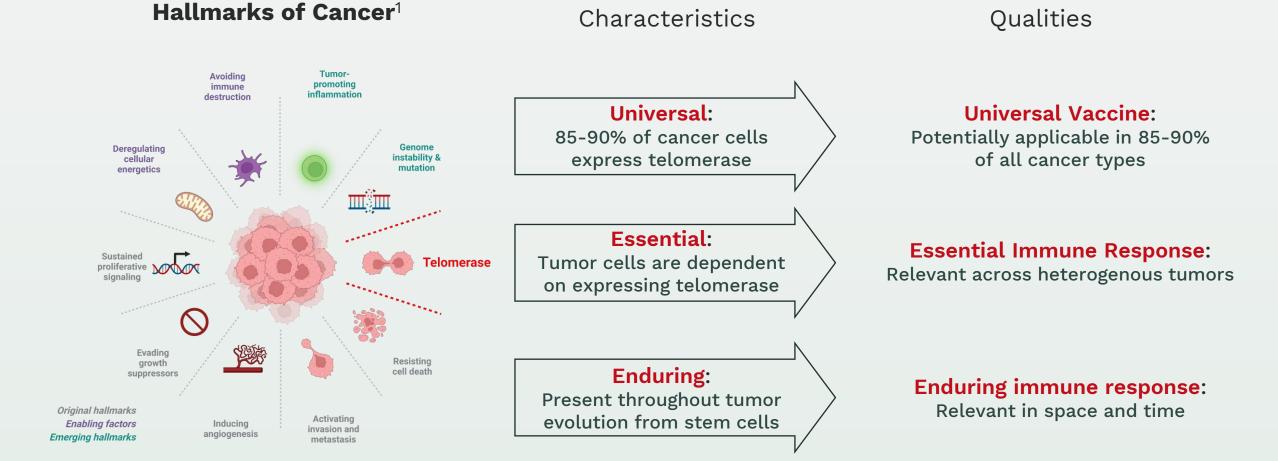
• Checkpoint inhibitors rely on spontaneous T cell responses against tumors



- Still major unmet medical need: Most patients do not experience clinical benefit from checkpoint inhibition
- Clinical non-responders are characterized by an insufficient spontaneous anti-tumor immune response¹



UV1 Induces T Cell Responses Against a Hallmark of Cancer



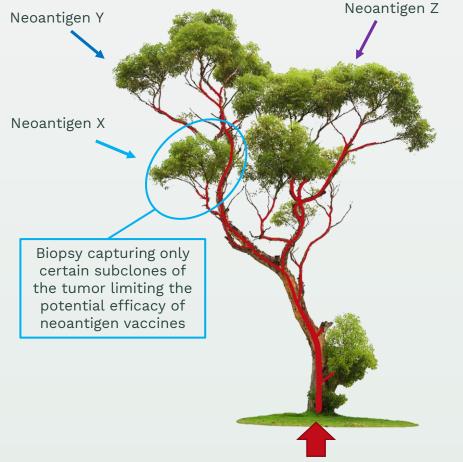
Telomerase

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UV1 Vaccine

UV1 Activates hTERT Specific CD4-helper T Lymphocytes

- Three long telomerase peptides (one 30-mer, two 15-mers)
 - Covers the catalytic site of human telomerase reverse transcriptase – hTERT
- 8 UV1 intradermal vaccinations over a 14-week period – off the shelf
- Vaccination induces a CD4+ Th1 responses
 - Pro-inflammatory function and role in activation of CTLs and memory T cell formation
- Peptides are promiscuous with respect to HLA class
 I and II alleles. No need to pre-screen patients for
 HLA type or other biomarkers easy to use
- Local administration of GM-CSF as vaccine adjuvant

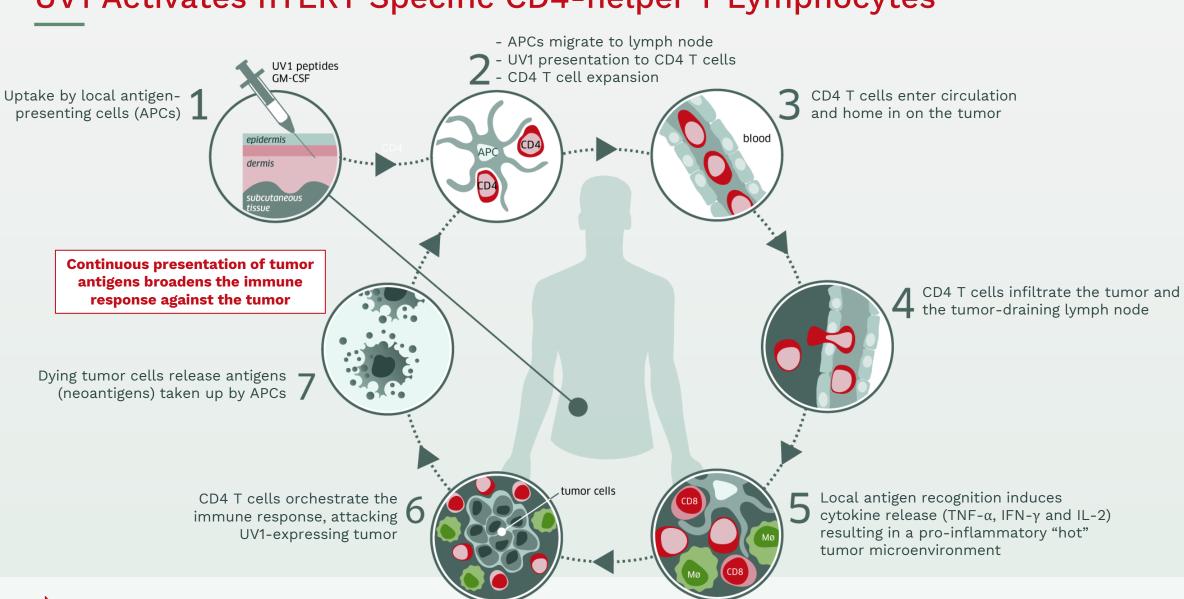


Tumor evolution

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hTERT expression is a truncal event for the tumor and a **relevant tumor antigen in space and time**





UV1 Activates hTERT Specific CD4-helper T Lymphocytes

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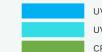
Broad Combination Potential for UV1 in Multiple Cancer Types¹

Clinical data opens the door to future collaborations in combination therapy

		Keytruda®	Opdivo®	Imfinzi®	Tecentriq®	Bavencio®	Yervoy®	Lynparza®
	Ultimovacs	SD MSD	Bristol-Myers Squibb	AstraZeneca	Roche	Pfizer	Bristol-Myers Squibb	AstraZeneca
(As per September 2022)	UV1	pembrolizumab	nivolumab	durvalumab	atezolizumab	avelumab	ipilimumab	olaparib ²
Malignant melanoma							Nivo+lpi	
NSCLC							Nivo+lpi	
HNSCC								
Mesothelioma							Nivo+Ipi	
Ovarian								
Prostate								
SCLC								
Renal							Nivo+Ipi	
Urothelial								
MSI-high							Nivo+lpi	
Gastric								
Cervical								
Hepatocellular							Nivo+lpi	
Merkel cell								
Hodgkins								
Large B-cell								
Breast								
Pancreatic								
Esophageal								
Endometrial								
Cutaneous squamous cell								
Colon							Nivo+Ipi	



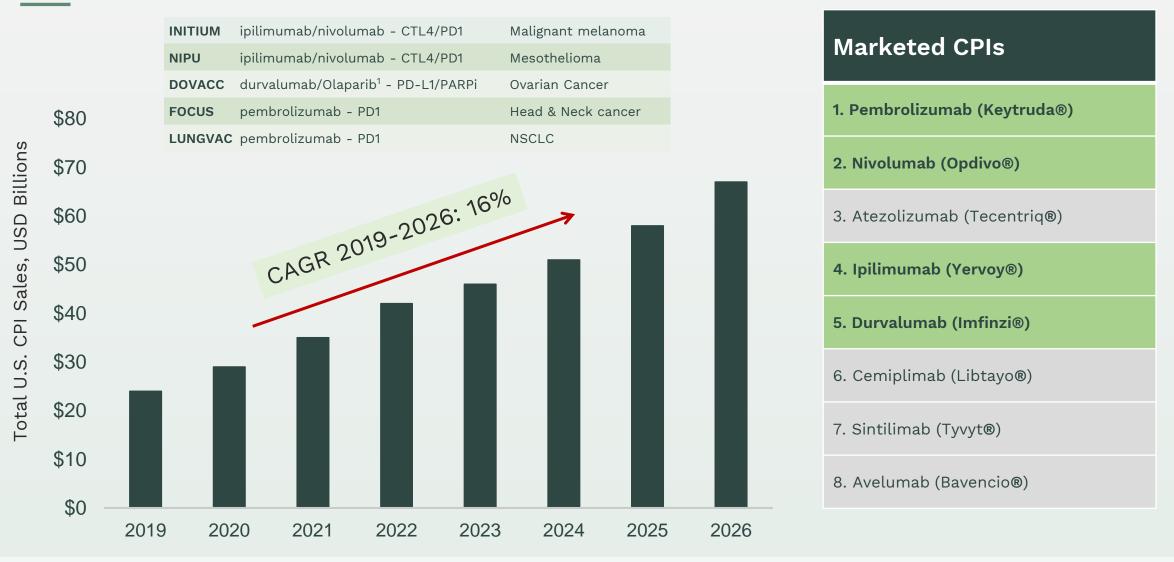
¹ Global Data, 2022, Product package inserts Q2 2022
 ² PARP inhibitor
 Note: other approved PD1/PD-L1 programs: Cemiplimab (Libtayo), Dostarlimab (Jemperli)



UV1 clinical trials UV1 growth opportunity CPI approved indication

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UV1 Uniquely Positioned in Phase II Trials with 4 out of the Top 5 CPIs





UV1 is a New Generation Universal Cancer Vaccine with Strong Benefits

Ease of clinical use (intra-dermal injections), no complex hospital infrastructure required

Ready to be administered when needed (off-the-shelf), and can be used in the general population without any pre-screening

Easily manufactured, has a long shelf life and a low unit cost

Directs the immune system towards cells expressing telomerase, present in 85-90% of cancer cells

Telomerase is an ideal and enduring antigen target in immunotherapy, due to its essential role for unlimited cancer cell growth and immortality

Consists of long peptides activating CD4 helper T lymphocytes, the "maestros" of body immune response, synergistic with CPI therapy



Strong Phase I Efficacy and Safety Data in UV1 Lead Indication - Malignant Melanoma

UV1 + ipilimumab Phase I Trial Design



Key results:

- Good safety profile supporting use of UV1 in combination with ipilimumab
- Consistent set of data showing strong initial signals of clinical response
- Results were published in <u>Frontiers in Immunology</u> in May 2021
- Poster presentation at <u>SITC Annual Meeting 2021</u> documenting mechanistic effects of UV1 in this trial

UV1 + pembrolizumab Phase I Trial Design UV1 (37.5 µg GM-CSF) pembrolizumab UV1 (75 µg GM-CSF) pembrolizumab

Key results as of Q1 2022:

Cohort 1, N=20

• Good safety profile supporting use of UV1 in combination with pembrolizumab

Cohort 2, N=10

- Safety of combination similar to pembrolizumab alone, except injection site reactions
- Consistent set of data showing strong initial signals of clinical response and efficacy
- Data reported at ASCO 2021 and updates presented in the Q3 2021 financial report



Phase I UV1 + ipilimumab in Malignant Melanoma

Good safety profile and signals of clinical efficacy

Median Overall Survival

Topline readout of Phase 1 trials at Year 5¹ Topline readout of Phase 1 trials at Year 5¹ vs historical comparison with monotherapy² and vs historical comparison with monotherapy² and IPI4 study³ IPI4 study³ 66.3 70 months 10 60 Safety profile supports clinical progression 50 6.7 months Signals of clinical efficacy 40 Months Months observed 2.9-3.7 months 5 30 N=181 2.7 17 months 20 months 12 months 10 N=12 N=151 N=181 N=12 N=151 0 0 UV1 plus ipilimumab Ipilimumab alone IPI4 – ipilimumab mono

Median Progression Free Survival

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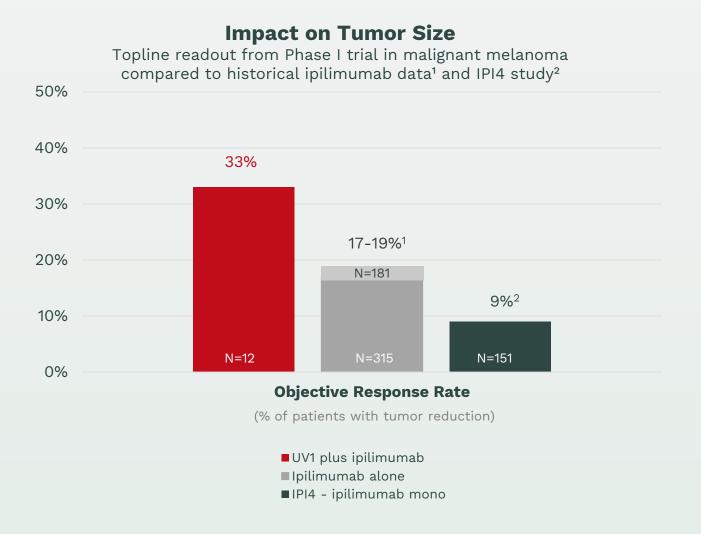
Malignant melanoma: (EudraCT No. 2013-005582-39)
 Robert C et al. Lancet Oncol. 2019; 20: 1239-51 (n=181),

Robert C et al. Lancet Oncol. 2019; 20: 1239-51 (n=181), Larkin J et al. N Engl J Med. 2015 Jul 2;373(1):23-34 (n=315)

 Historical control for the melanoma study: Aamdal, E. et al (2021) [plimumab in a real-world population: A prospective phase IV trial with long-term follow-up. Int. J. Cancer. <u>https://doi.org/10.1002/ijc.33768</u>

Phase I UV1 + ipilimumab in Malignant Melanoma

Strong response rates vs. historical ipilimumab data





¹ Robert C et al. Lancet Oncol. 2019; 20: 1239-51 (n=181), Larkin J et al. N Engl J Med. 2015 Jul 2;373(1):23-34 (n=315)
 ² Historical control for the melanoma study: Aamdal, E. et al (2021) Ipilimumab in a real-world population: A prospective phase IV trial with long-term follow-up. Int. J. Cancer. <u>https://doi.org/10.1002/ijc.33768</u>

UV1-103: Phase I UV1 + pembrolizumab in Malignant Melanoma

Strong signals of efficacy

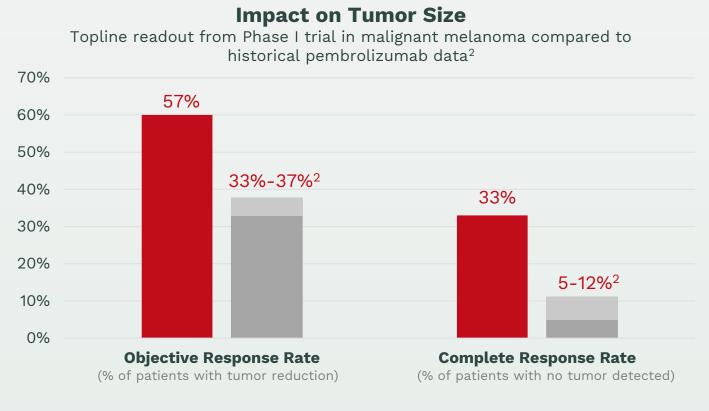
- The Response Rates for the 30 patients in cohort 1 and cohort 2 combined, as measured by iRECIST:
 - complete response (CR) 10/30
 - partial response (PR) 7/30
 - stable disease (SD) 2/30
 - progressive disease (PD) 11/30
- Median Progression Free Survival (mPFS):
 - Cohort 1+2 combined: 18.9 months, as measured by iRECIST
- Overall Survival (OS):
 - Cohort 1+2 combined after 12 months: 87%
 - Cohort 1+2 combined after 24 months: 73%
- Patients will continue to be followed for long-term survival
- UV1 has demonstrated a good safety profile; no unexpected safety issues have been observed in the trial



Objective response rate (ORR) 57% Complete response rate (CR) 33%

UV1-103: Phase I/II Data – UV1 + pembrolizumab in Malignant Melanoma

Strong response rates vs. historical pembrolizumab data¹



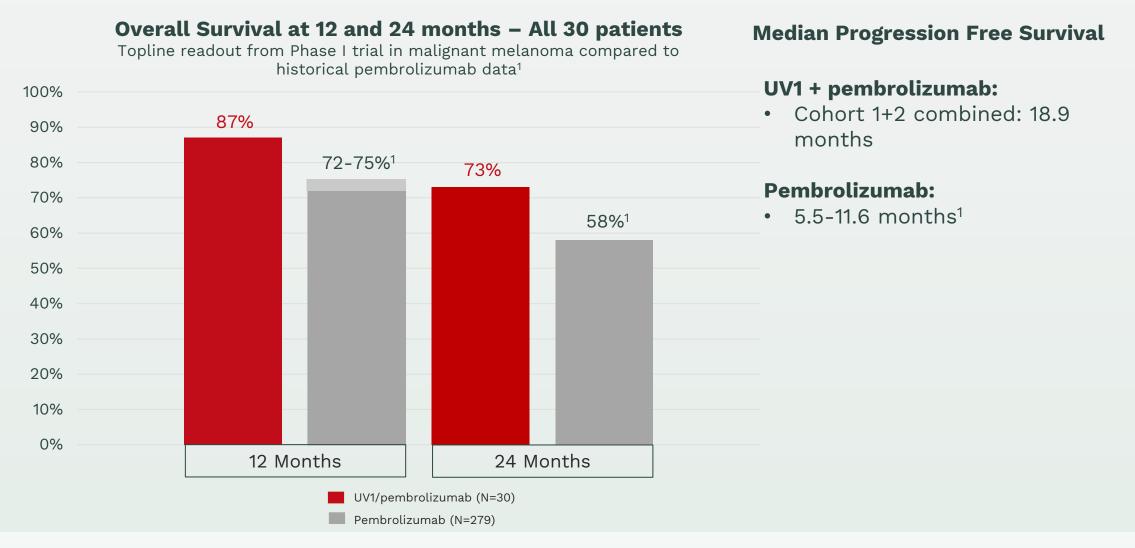
UV1 plus pembrolizumab (n=30)
 Pembrolizumab alone (n=279)



¹ Despite challenges to the use of historical comparisons, data from KEYNOTE-006 subset of patients is the reference trial for pembrolizumab in melanoma ² Data from KEYNOTE-006 (Robert C, 2019), the pivotal study referred to in the Keytruda (pembrolizumab) package inserts.

UV1-103: Phase I UV1 + pembrolizumab in Malignant Melanoma

Encouraging OS & mPFS vs. historical pembrolizumab data





¹ Keytruda package inserts and Robert C, Ribas A, Schachter J, et al. Pembrolizumab versus ipilimumab in advanced melanoma (KEYNOTE-006): post-hoc 5-year results from an open-label, multicentre, randomised, controlled, phase 3 study. Lancet Oncol. 2019;20(9):1239-1251. doi:10.1016/S1470-2045(19)30388-2

Fast Track designation from the FDA confirms our confidence in the <u>therapeutic potential of UV1</u>

- Ultimovacs receives Dual "Fast Track" designation from the FDA, for:
 - UV1 as add-on therapy to pembrolizumab for the treatment of unresectable or metastatic melanoma
 - UV1 as add-on therapy to ipilimumab for the treatment of unresectable or metastatic melanoma
- Through the "Fast Track" designation for UV1, the following benefits are provided by the FDA:
 - Facilitates the development and expedites the review of UV1
 - Enables early and frequent communication with the FDA to support UV1's development
 - Provides eligibility for Accelerated Approval and Priority Review in case certain required criteria are met
 - Entitles to a Rolling Review of the Biologic License Application (BLA) by the FDA
- Fast Track designation confirms our confidence in the therapeutic potential of UV1





Orphan Drug designation is Another Recognition from the FDA

- UV1 has received "Orphan Drug" designation from the FDA in the treatment of malignant melanoma
 - The intention of the program is to support and advance the development and evaluation of new treatments for rare diseases that affect fewer than 200,000 people in the U.S. with unmet medical needs
 - Orphan drug designation provides certain benefits, including:
 - seven-year market exclusivity upon regulatory approval if received
 - exemption from FDA application fees

 Metastatic melanoma is UV1's lead indication, and it is currently being studied as firstline treatment for metastatic melanoma in the INITIUM trial as add-on therapy to checkpoint inhibitors ipilimumab and nivolumab



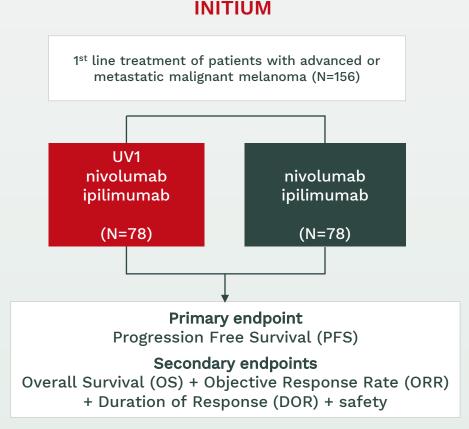


INITIUM Phase II trial



INITIUM: First line advanced or metastatic malignant melanoma

- Combination: nivolumab, ipilimumab
- **Patients**: 156 patients* from 39 sites in 4 countries: US, UK, Belgium and Norway
- First patient enrolled June 2020
- Patient enrollment completed June 2022 (156 patients)
- **Milestones**: Topline results expected H1 2023, after 70 patients have progressed or died





* A supplementary study will be initiated after enrollment of the 154 patients is completed. The objective is to further support that an immune response specific to the UV1 vaccine transfers into anti-tumor activity and clinical benefit for the patients. 20 additional patients will receive experimental treatment, i.e. the triple combination of UV1, ipilimumab and nivolumab.

NIPU & DOVACC UV1 Phase II Trials



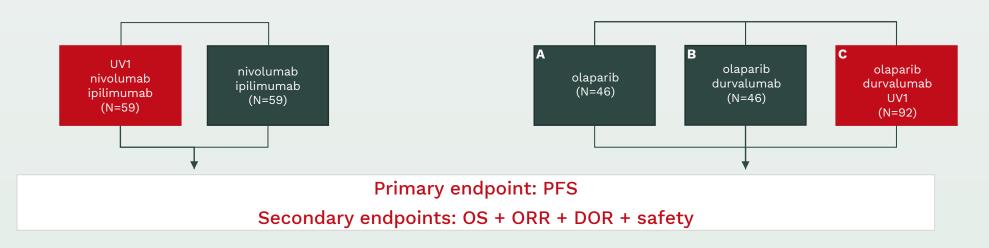
NIPU: Second line malignant pleural mesothelioma

- Combination: nivolumab, ipilimumab
- **Contributors**: Oslo University Hospital (sponsor); BMS
- **Patients:** 118 from 6 sites in Norway, Sweden, Denmark, Spain and Australia
- First patient enrolled June 2020
- 92 patients enrolled as of 18 August 2022 (Q2 2022 reporting)
- **Milestones**: Topline results expected H1 2023, after 69 patients have progressed or died

DOVACC: Ovarian cancer, second maintenance



- **Combination:** olaparib, durvalumab
- **Contributors :** NSGO/ENGOT (sponsor), Astra Zeneca
- **Patients:** 184 from more than 40 sites in more than 10 European countries
- First patient enrolled December 2021
- 6 patients enrolled as of 18 August 2022 (Q2 2022 reporting)
- **Milestones:** Topline results have been expected during 2023. This guidance will be updated with the Q4 2022 report





FOCUS and LUNGVAC UV1 Phase II Trials

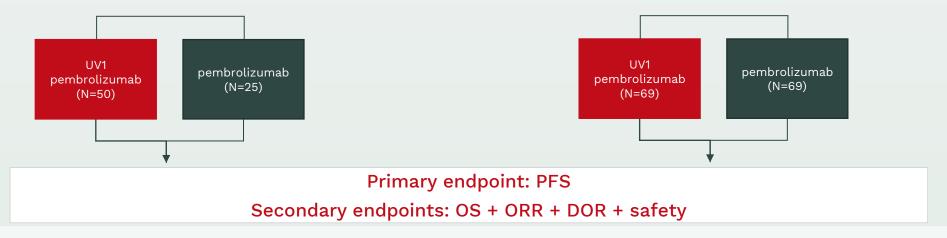


FOCUS: Metastatic or recurrent head and neck squamous cell carcinoma

- Combination: pembrolizumab
- **Contributors** : Sponsored by Halle University Hospital network
- Patients: 75 from 10 sites in Germany
- First patient enrolled August 2021
- 27 patients enrolled as of 18 August 2022 (Q2 2022 reporting)
- **Milestones**: Topline results have been expected during 2023. This guidance will be updated with the Q4 2022 report

LUNGVAC: Advanced or metastatic non-small cell lung cancer (NSCLC)

- Combination: pembrolizumab
- Contributors: Sponsored by Drammen Hospital
- **Patients**: 138 patients from 8-10 hospitals in Norway
- First patient expected to be enrolled in 3Q 2022
- **Milestones:** Topline results have been expected by the end of 2024. This guidance will be updated with the Q4 2022 report





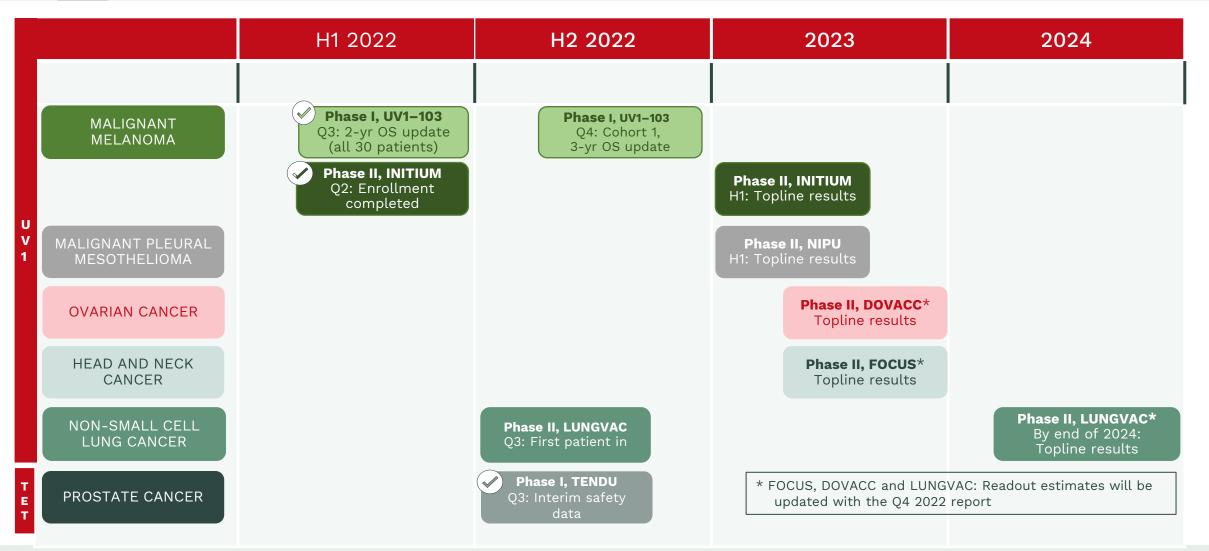
TET Technology Platform and the TENDU Phase I Trial

• The TET technology platform:

- allows for a beneficial safety profile and simplified administration since the antigens and adjuvant are part of the same molecule
- ADJUVANT technology: tetanus antigens are built into TENDU to potentiate the vaccine.
- The **TENDU trial** investigates a prostate cancer specific vaccine based on the TET technology
 - Conducted at Oslo University Hospital
 - Nine patients enrolled as of Q2 2022 reporting, three in each of the first two dosing cohorts, and three in the third dosing cohort
 - No safety concerns emerged in any of the dose level cohorts
 - TENDU will recruit up to three additional patients (on top of three in each dosing cohort) at the highest dose level, following the confirmation of no safety issues, i.e. 9-12 patients in total
- This Phase I trial will provide valuable information on safety and immune activation toward the further development of new vaccine solutions based on the TET technology



Expected News Flow and Milestones: Key value inflection points during the next 12-24 months





Strong Financial Position Supported by Long-Term Shareholders Estimated financial runway to the first part of 2024

- **Successful IPO** on Euronext Oslo (ULTI.OL) raised MNOK 370 (~\$38M), May 2019
- **Oversubscribed private placement** of gross MNOK 160 (~\$17M), May 2020
- **Oversubscribed private placement** of gross MNOK 270 (~\$28M), October 2021, with increased number of international shareholders
- Total cash end of Q2 2022 amounted to MNOK 486 (\$49m) providing an estimated financial runway to the first part of 2024
- Debt free
- Market cap¹: BNOK 2.375 (~\$245M)

Shareholders ¹	%
Gjelsten Holding AS	19.0%
Canica AS	7.9%
Watrium AS	5.2%
Inven2 AS (Tech. Transfer Office)	4.5%
Cancer Hospital Investment Fund ²	4.4%
Government Pension Fund Norway ³	4.4%
Langøya Invest AS	4.1%
Helene Sundt AS	2.8%
CGS Holding AS	2.6%
Sundt AS	2.4%
20 Largest Shareholders	69.3%

Other Shareholders

30.7%



Key Takeaways

- **Cancer vaccine platform** (UV1 and TET) enhances the impact and durability of IO therapy
 - Broadly applicable in different cancer types and in different therapeutic combinations
- Strong commercial potential as **combination base line therapy**: off-the-shelf, easy to use
- **Good safety profile** and clear signals of clinical efficacy
- Broad Phase II development program highlights the significant commercial potential
 - 5 indications, different combinations
 - More than 650 patients at more than 100 hospitals in approx. 15 countries
- Fast Track designation and Orphan Drug designation in metastatic melanoma provides regulatory validation
- Validation through joint projects with large pharma companies and oncology specialist groups
- Start of clinical evaluation of innovative novel TET-platform with Phase I TENDU Study
- Experienced team, strong shareholder base and good cash position
- Multiple key value inflection points during the next 12-24 months



Ultimovacs

Enabling the immune system to fight cancer

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Appendix





Three completed Phase I trials with 5-year follow-up

Good safety profile and signals of clinical efficacy observed (compared to historical controls)

Clinical Trial ¹		Ultimovacs Trials		Historical Comparison ⁴			
	Overall Survival (OS) - Year 5²	Median OS Median PFS (months) (months)²		Overall Survival (OS) - Year 5	Median OS (months)	Median PFS (months)	
Prostate (n=22)	50%	61.8	n.a. ³	Revelant historical control not available	36-42	n.a.	
NSCLC (n=18)	33%	28.2	10.7	Below 5%	~12	3 - 4	
Malignant Melanoma (n=12)	50%	66.3 months	6.7	~ 20%	~16	3.5 - 4	

1. Prostate: (EudraCT No. 2021-002411-26) NSCLC: (EudraCT No. 2012-001852-20) Malignant melanoma: (EudraCT No. 2013-005582-39)

2. Median Progression-Free Survival

3. Progression-Free Survival not possible to measure in the Prostate cancer trial. Instead, patients are followed on PSA measurements. As of today, 8 patients have normalized PSA levels

4. References to historical comparisons:

- Prostate: Fizazi K et al. Lancet Oncol. 2019; 20: 686-700.

- NSCLC: Cortot AB et al. Eur J Cancer. 2020; 131: 27-36

- Malignant melanoma: Robert C et al. Lancet Oncol. 2019; 20: 1239-1251.



UV1 is an 'Off-the-Shelf' Product Ready for Combination Use

Simple Production and Logistics:

- Well established technology
- Production by **standard peptide synthesis**
- Stable product with **3 years shelf life** at 5°C
- Standard shipping and **simple on-site preparation**, i.e., reconstitution with water
- Lower cost of goods compared to other immunotherapies





Experienced Management Team with Relevant Competencies									
		Leading ational	Business mer Development Development	ht Innunologi Innunologi	h Inmunother	Reput Regulatory	Manufacturit	ng Fund raising	
	Carlos de Sousa MD and EMBA Chief Executive Officer	Ø	\bigotimes		\bigotimes	Ø	Ø	\bigotimes	IMMUNICUM Pfizer () NOVARTIS
	Hans Vassgård Eid Chief Financial Officer	Ø	\bigotimes					\bigotimes	McKinsey & Company Corklo C FOINCO FAMILY OFFICE C Storebrand
	Jens Bjørheim MD and PhD Chief Medical Officer	Ø		Ø	\bigotimes	Ø	Ø		AstraZeneca
	Ton Berkien Chief Business Officer	\bigotimes	\bigotimes					\bigotimes	FERRING PHARMACEUTICALS
	Gustav Gaudernack Chief Scientific Officer			\bigotimes	\bigotimes	Ø	Ø		Coslo Universitetssykehus



Experienced Board of Directors



 CEO of the Norwegian Radium Hospital Research Foundation Board member of several biotech

companies One of the initiators behind the Norwegian Center of Expertise, Oslo Cancer Cluster

CEO of Sundt AS, a Norwegian

Board member of Pandox AB,

Eiendomsspar, Oncoinvent AS and

Previously Chairman of the Board

of Oslo Stock Exchange and CEO

family owned investment

of Sundal Collier & Co

company

Civita

Jonas Einarsson Chairman of the board



Leiv Askvig Board member





Henrik Schüssler Board member



Kari Grønås



- Extensive experience in drug development and commercialization within the pharmaceutical industry of new breakthrough products securing regulatory approvals, i.e. Xofigo, Hexvix Board positions in Spago Nanomedical
 - AB, SoftOx AS and The Norwegian Lung Cancer Society

CEO and board member of Gjelsten

Previously CFO and CEO of Norway

Accounting/consulting experience

from Ernst & Young

Holding AS

Seafood

Board member



 25+ years experience from board and management positions in different companies and industries

 Ultimovacs' Chairman of the board from '11-'17

Ketil Fjerdingen Board member

ultimovacs



Eva S. Dugstad Board member

- Director for Business Development of the Norwegian Radium Hospital Research Foundation
- Previously President and the EVP at the Institute for Energy Technology (IFE) and chair of the board for IFE Venture
- Has been involved in various boards in both public and private sector and in several public expert panels



Haakon Stenrød Board member



Aitana Peire Board member



- Previously 12 years in the Investment Banking at ABG Sundal Collier, focusing on M&A, restructurings and capital markets advisory
- Board member of DF Capital, a UK challenger bank listed on AIM London
- Investment Manager of Canica's Future of Health assets. Board member in FXACT-Tx AS Previously senior consultant in Venture Valuation, Pharma equity research analyst at Kepler Cheuvreux and PMA consultant for
 - Stratas Partners in Basel and investment analyst for Londonbased hedge fund Carval Investors



