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Ultimovacs develops next-generation universal cancer vaccines

Off-the-shelf and easy to use immunotherapy that can be broadly applied

UV1: universal cancer vaccine

- Lead asset UV1 enhances the efficacy and durability of IO therapy
- Off-the-shelf applicability and easy to use

Strong combination potential

- UV1 improves immune checkpoint inhibitor (CPIs) activity in combination base line therapy
- Broadly applicable as backbone therapy in different cancer types and in immune-therapy combinations

Human Telomerase (hTERT):
A Universal Cancer Cell Target

- hTERT is expressed in 85-90% of cancer types at all stages of disease
- UV1 does not interfere with telomerase, but triggers the immune response against telomerase to identify and kill cancer cells

Good safety profile in Phase I

- Strong safety profile and efficacy signals
- Robust immune response induction (durability >7.5 years)
- FDA recognition: Fast Track and Orphan Drug Designation

Broad Phase II program

- Five Phase II randomized clinical combination trials ongoing: enrolling >650 patients, 100 hospitals in 15 countries
- Expected readouts from H1 2023 onwards: key value inflection points



Ultimovacs has a strong financial position, experienced management team, supported by long-term shareholders, with a cash runway into 2024

Company profile

- Founded in Oslo, Norway 2011
- Successful IPO 2019 on Euronext Oslo (ULTI.OL), raising NOK 370m (~\$38m), with follow-on offerings
 - Oversubscribed private placement of gross NOK 160m (~\$17m), May 2020
 - Oversubscribed private placement of gross NOK 270m (~\$28m), October 2021
- Total cash end of Q3 2022 amounted to NOK 469m (\$46m) providing an estimated financial runway to the first part of 2024
- Debt free
- Market cap¹: NOK 4.4bn (~\$440m)
- 25 FTEs in Norway and Sweden
- Multiple key value inflection points near term and over the next 24 months

Management



Carlos de Sousa MD, EMBA Chief Executive Officer



Hans Vassgård EidChief Financial Officer



Jens Bjørheim MD, PhD Chief Medical Officer



Ton BerkienChief Business Officer



Gustav Gaudernack Inventor, Professor Emeritus Chief Scientific Officer

Shareholders

20 largest shareholders²: ~ 70%, whereof:

- Gjelsten Holding AS: 19%
- Canica AS: 7.9%
- Sundt Group: 7.7%
- Other Family Offices/HNWI: 13.1%
- Government Pension Fund Norway³: 4.5%
- University of Oslo TTO⁴: 4.5%
- Radforsk Oncology Fund: 4.4%
- Other Institutional/funds: 7.7%
- Founders: 2.3%



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Broad Phase II clinical program for UV1 with more than 650 Patients

	Indication	Clinical trial information	Expected topline readout	Phase I	Phase II	Phase III	Contributors
	Malignant melanoma	With ipilimumab 12 patients (completed)	Completed	UV1-ipi			
	Malignant melanoma	With pembrolizumab 30 patients (completed)	Completed	UV1-103			
	Malignant melanoma	With ipilimumab & nivolumab 100% recruited	H1 2023		INITIUM		
UV1	Pleural mesothelioma	With ipilimumab & nivolumab > 90% recruited ¹	H1 2023		NIPU		Oslo University Hospital
	Head and neck cancer	With pembrolizumab > 50% recruited ¹	End of 2023 ²		Focus		MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG
	Ovarian cancer	With durvalumab & olaparib < 10% recruited¹	End of 2023 ²		DOVACC		NSGD-CTU Noted Stordy of Operating and Ocatogy - Central Find Unit AstraZeneca Separate Stordy of Operating and Ocatogy - Central Find Unit European Retwork of Operate of Oper
	Non-small cell lung cancer (NSCLC)	With pembrolizumab < 10% recruited¹	End of 2024 ²		LUNGVAC		• VESTRE VIKEN DRAMMEN HOSPITAL
TET	Prostate cancer	Dose finding trial, monotherapy 100% recruited	-	TENDU			

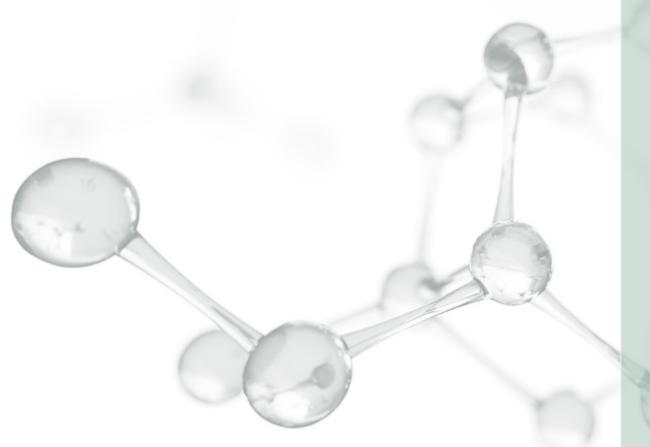


Note: UV1 Phase II development is further supported by good safety profile and signals of clinical efficacy observed in two other Phase I trials where 40 patients with prostate cancer and lung cancer were included. Patients in these studies have been followed for at least five years.





- 2. Phase I trial results
- 3. Phase II pipeline & program design
- 4. TET platform
- 5. Market potential and competition



UV1 enhances antitumor response by activating telomerase-specific T cells

Current CPI challenges

- Checkpoint
 Inhibitors (CPI) have transformed cancer therapies, but rely on a pre-existing
 T cell response towards the tumor for efficacy
- Many patients have limited long term response to CPI treatment: 10 - 58% response rate depending on indication¹
- Ultimovacs is developing a universal cancer vaccine (UV1) that can be combined with CPIs to improve the immune response towards cancer cells that express telomerase

1 Telomerase

- Telomerase is universally expressed (85-90%) on cancer cells and present throughout all tumour stages
- It plays an essential role in tumour proliferation potential and cellular immortality

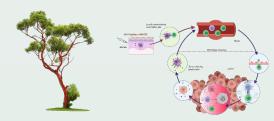
2 Mechanism of action

- Telomerase peptides are picked up by antigenpresenting cells and prime cells
- Telomerase-specific T cells migrate to the tumor site and initiate tumor killing
- Through cytokine secretion, the T cells activate other immune cells, enhancing the immune response against the tumor

3 Easy production & use

- UV1 is ready to be administered when needed (off-the-shelf), and can be used in the general population without any pre-screening
- Manufacturing process is straight forward with low unit cost
- Long shelf life (>3 years)

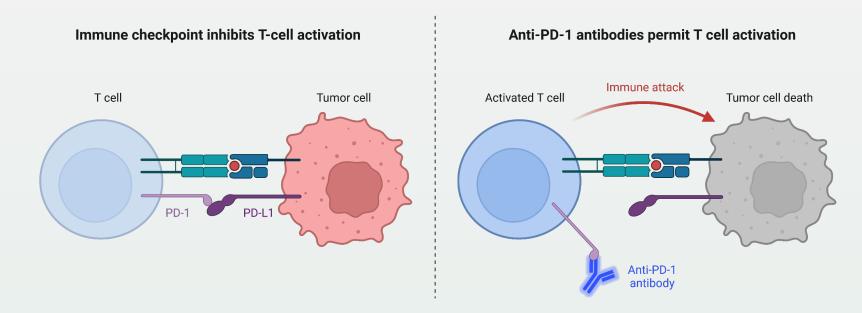








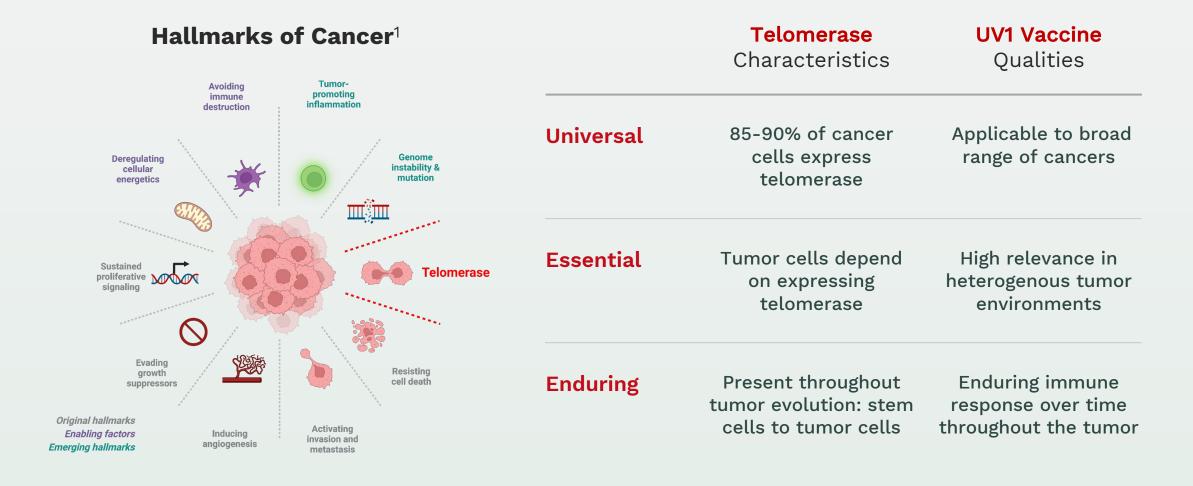
CPIs have transformed cancer therapy, but stronger immune responses are required to improve efficacy



- CPIs rely on spontaneous T cell responses against tumors
- However, most patients do not experience clinical benefit from checkpoint inhibition, resulting in a major unmet medical need
- Clinical non-responders are characterized by an insufficient spontaneous anti-tumor immune response¹
- To improve efficacy, improve the T cell response



TeloUV1 induces T cell responses against telomerase: a hallmark of cancer the tumor cells cannot mutate away from

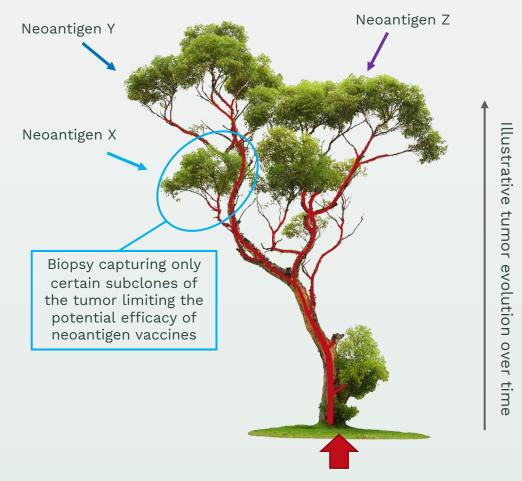






UV1 activates hTERT specific CD4-helper T lymphocytes

- Mechanism of action: Vaccination induces T cell responses, which have pro-inflammatory functions and roles in activation of CTLs and memory T cell formation
- Vaccine design: UV1 consists of three synthetic long peptides (one 30-mer, two 15-mers), covering the catalytic site of human telomerase reverse transcriptase – hTERT
- Easy to use: Peptides are promiscuous with respect to HLA class I and II alleles No need for pre-screening of HLA type or other biomarkers
- Administration: 8 UV1 intradermal vaccinations over a 14-week period – off the shelf. Local administration of GM-CSF as vaccine adjuvant to attract DCs
- Safe: UV1 does not interfere with telomerase but recognizes fragments of telomerase presented in the context of HLA molecules on cells in the tumor. No safety signals seen from healthy tissues expressing telomerase (e.g. stem cells).

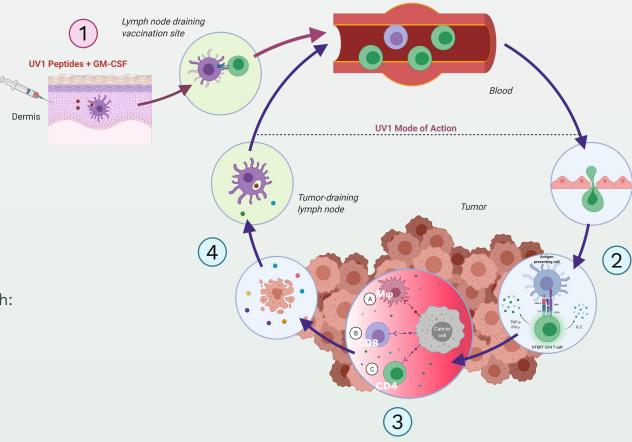


hTERT expression is a truncal event for the tumor and a relevant tumor antigen in space and time



UV1 mode of action and downstream mechanisms

- 1 Intradermal injection of UV1 and activation of TERT-specific T cells
- 2 Improved priming of anti-tumor immune responses
 - T cells bind their antigen (TERT) expressed on local APCs and the T cells release cytokines (TNF-α, IFN-γ and IL-2) inducing a proinflammatory "hot" tumor microenvironment
- 3 Enhanced intratumoral activation of T cells
 - T cells activate other cells of the immune system through cytokine secretion, directing killing through:
 - i. Macrophages
 - ii. CD8 T cells
 - iii. CD4 T cells
- Increased tumor cell killing
 - Dying tumor cells release antigens
 - These are taken up by APCs and presented to T cells, broadening the immune response against the tumor





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Strong Phase I efficacy and safety data of UV1 in two combination trials

Trial design	1 UV1 + ipilimumab	2 UV1 + pembrolizumab
Nr. of patients	12	30 (cohort 1: 20, cohort 2: 10)
UV1 dose	300 µg	300 µg
GM-CSF dose	75 μg	Cohort 1: 37.5 µg, cohort 2: 75 µg
Primary endpoint	Safety (good)	Safety (good)
Secondary endpoints	PFS, OS, ORR, exploratory biomarkers	PFS, OS, ORR, exploratory biomarkers
Clinical response	Strong initial signals	Strong initial signals
Publication	Poster presentation at <u>SITC Annual</u> <u>Meeting 2021</u> , publication in <u>Frontiers</u> <u>in Immunology</u> (May 2021)	Data reported at ASCO 2021 and updates presented at the 19th International Conference of the Society for Melanoma Research,17-20 October 2022 in Edinburgh

FDA designations

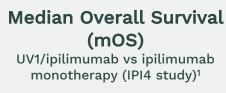
- In Oct 2021, granted
 Fast Track
 designation for UV1
 as add-on therapy to
 ipilimumab or
 pembrolizumab in
 advanced non resectable and
 metastatic
 melanoma
- In Dec 2021, granted
 Orphan Drug
 designation for UV1
 as add-on therapy to ipilimumab and nivolumab in stage
 IIB-IV malignant melanoma



Positive efficacy vs. historical control results of UV1 + ipilimumab

Patient characteristics

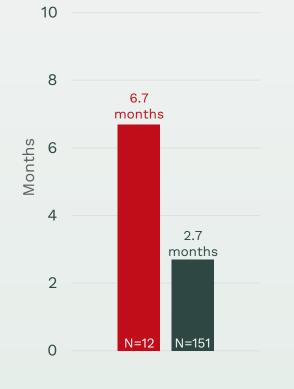
- All patients had stage
 IV disease
 - M1c in 50% of patients
- Elevated LDH in 50% of patients
- 33.3% of patients had received prior therapy





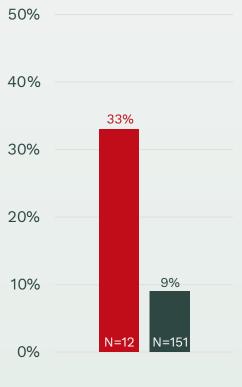
Median Progression Free Survival (mPFS)

UV1/ipilimumab vs ipilimumab monotherapy (IPI4 study)¹



Objective Response Rate (ORR)

UV1/ipilimumab vs ipilimumab monotherapy (IPI4 study)¹





Patient baseline demographics of Phase I UV1 + pembrolizumab

Key Eligibility Criteria

- Advanced histologically confirmed malignant melanoma (stage IIIB-C, IV)
- Measurable and evaluable disease according to iRECIST
- Previously untreated and eligible for pembrolizumab (prior BRAF and MEK inhibitors permitted)
- ECOG 0-1
- · Active brain metastases, and uveal or ocular melanoma not permitted

Patient characteristics

- 63% ECOG status 1
- M1c in 27% of patients
- Elevated LDH in 31% of patients
- All patients treated as first-line
- PD-L1 negative tumour biopsies in 64% of evaluable patients
- TMB low in 47% of evaluable patients



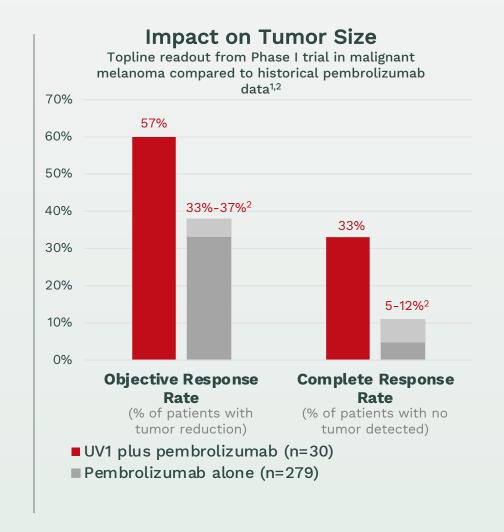
Positive response rate vs. historical control results: UV1 + pembrolizumab

Objective

(ORR) 57%

response rate

- 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
- 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





Encouraging OS & mPFS vs. historical pembrolizumab data

Overall Survival at 12 and 24 months - All 30 patients

Topline readout from Phase I trial in malignant melanoma compared to historical pembrolizumab data¹



Median Progression Free Survival

UV1 + pembrolizumab:

Cohort 1+2 combined: 18.9 months

Pembrolizumab:

5.5-11.6 months¹

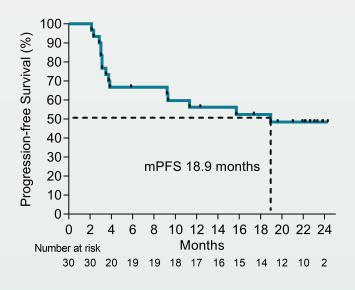
OS for Cohort 1 after 36 months1:

- UV1+pembrolizumab 71%
- Pembrolizumab 51%



Progression-free and overall survival rates are promising

Progression-free Survival (n=30)



Overall Survival (n=30)

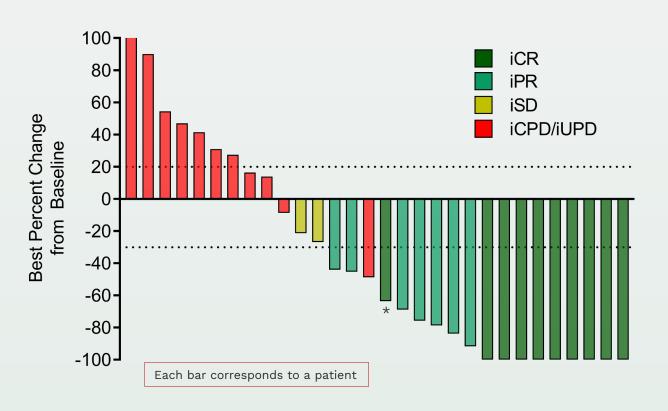


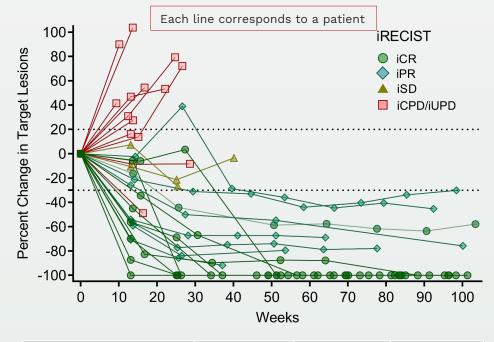
Best Overall Response (iRECIST)	n	%
Objective Response Rate	17	56.7
• Complete Response	10	33.3
• Partial Response	7	23.3
Stable Disease	2	6.7
Confirmed/Unconfirmed Progressive Disease	11	36.7



Clinical responses are not impacted by PD-L1 level

Potential to expand target patient population



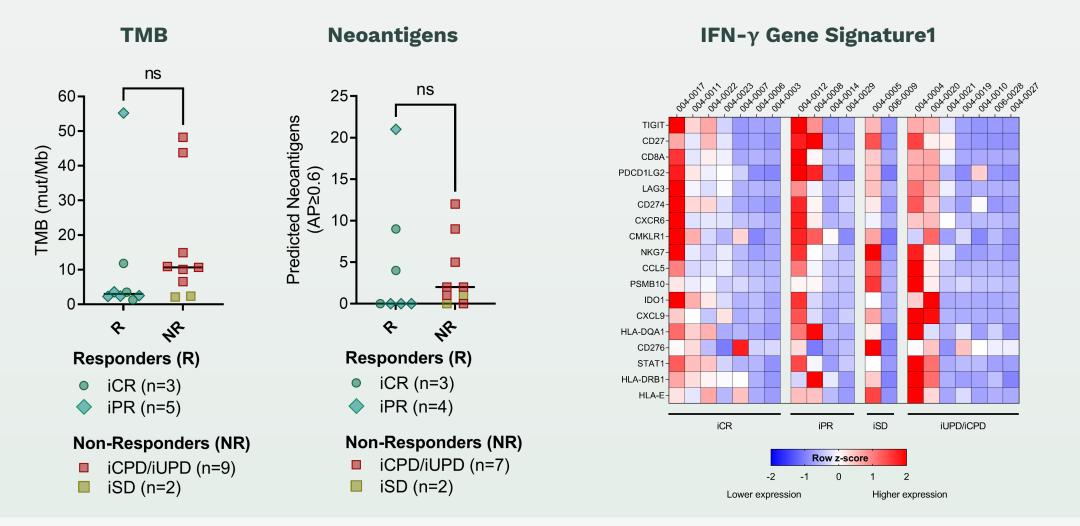


Population	ORR (%)	iCR (%)	iPR (%)
PD-L1 (≥1%) (n=8)	4 (50.0%)	3 (37.5%)	1 (12.5%)
PD-L1 (<1%) (n=14)	8 (57.1%)	5 (35.7%)	3 (21.4%)
Stage III B/C (n=11)	8 (72.7%)	5 (45.5%)	3 (27.3%)
Stage IV (n=19)	9 (47.4%)	5 (26.3%)	4 (21.1%)



^{*} Lymph node target lesion was reduced from 17.2 mm to 6.3 mm (-63% change). A lymph node size of <10 mm is considered normal, and a PET/CT-scan later confirmed no malignant activity. The patient is therefore considered an iCR according to iRECIST

Clinical responses are not impacted by tumor mutational burden (TMB), neoantigens or IFN- γ status – potential to expand target patient population





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Ultimovacs' UV1 pipeline consists of five comparative, randomized Phase II trials in more than 650 patients











Trial design

INITIUM

NIPU

FOCUS

DOVACC

LUNGVAC

CPI combination

Indication

Timeline

Ipilimumab + nivolumab

2020 - 2023

156 out of 156*

100% recruited

40 sites in US, NO,

malignant melanoma

First line

Ipilimumab + nivolumab

Second line

2020 - 2023

108 out of 118*

> 90% recruited

6 sites in NO, SE,

mesothelioma

Pembrolizumab

First line head

2021 - 2023

41 out of 75*

10 sites in DE

> 50% recruited

and neck cancer

Durvalumab + olaparib

Second line ovarian cancer

2021 - 2023

7 out of 184* < 10% recruited

>40 sites in NO. SE. DK, FI, BE, NL, DE, AT,

LT, EE, GR 2023**

Pembrolizumab

First line non-small cell lung cancer

2022 - 2024

3 out of 138* < 10% recruited 8-10 sites in NO

H2 2024**

countries, sites, etc.

Milestones

No. of patients,

BE, UK

H1 2023

H1 2023

DK, ES, AU,

2023**

Primary endpoint: Progression Free Survival (PFS)

Secondary endpoints: Overall Survival (OS) + Objective Response Rate (ORR) + Duration of Response (DOR) + safety



^{*} Number of patients recruited as of Q3 2022 reporting ** FOCUS, DOVACC and LUNGVAC: Readout estimates will be updated with the Q4 2022 report



INITIUM UV1 Phase II trial

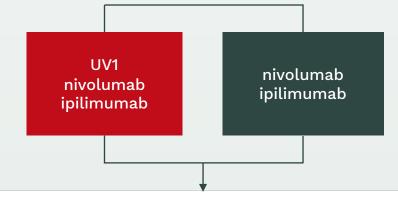
INITIUM: First line advanced or metastatic malignant melanoma



- Combination: nivolumab, ipilimumab
- Patients: 156 patients* from 39 sites in 4 countries: US, UK, Belgium and Norway
- First patient enrolled June 2020
- Randomized and statistically powered trial
- Patient enrollment completed June 2022
- Milestones: Top line results expected H1 2023

INITIUM

1st line treatment of patients with advanced or metastatic malignant melanoma (N=156)



Primary endpoint
Progression Free Survival (PFS)

Secondary endpoints

Overall Survival (OS) + Objective Response Rate (ORR) + Duration of Response (DOR) + safety

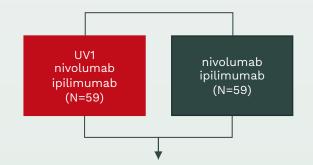


NIPU & DOVACC UV1 Phase II Trials

NIPU: Second line malignant pleural mesothelioma



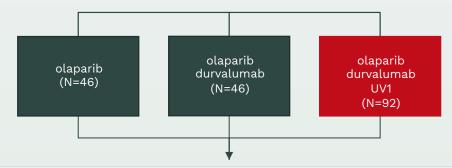
- Combination: nivolumab, ipilimumab
- Contributors: Oslo University Hospital (sponsor);
 BMS
- **Patients:** 118 from 6 sites in Norway, Sweden, Denmark, Spain and Australia
- First patient enrolled June 2020
- 108 patients enrolled as of 9 November 2022 (Q3 2022 reporting)
- Milestones: Top line results expected H1 2023



DOVACC: High-grade BRCA negative varian 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
- 7 patients enrolled as of 9 November 2022 (Q3 2022 reporting)
- Milestones: Top line results have been expected during 2023. This guidance will be updated with the Q4 2022 report



Primary endpoint: PFS

Secondary endpoints: OS + ORR + DOR + safety

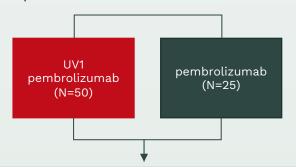


FOCUS and LUNGVAC UV1 Phase II Trials

FOCUS: Metastatic or recurrent head and neck squamous cell carcinoma



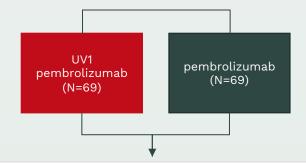
- Combination: pembrolizumab
- Contributors: Sponsored by Halle University Hospital network
- Patients: 75 from 10 sites in Germany
- First patient enrolled August 2021
- 41 patients enrolled as of 9 November 2022 (Q3 2022 reporting)
- Milestones: Topline results have been expected during 2023. This 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 enrolled October 2022
- 3 patients enrolled as of 9 November 2022 (Q3 reporting)
- Milestones: Topline results have been expected by the end of 2024. This guidance will be updated with the Q4 2022 report



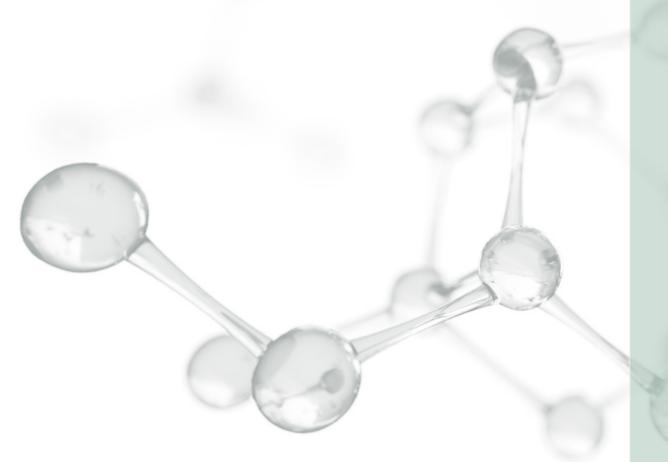
Primary endpoint: PFS

Secondary endpoints: OS + ORR + DOR + safety



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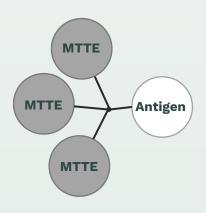
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TET adjuvant technology platform takes advantage of a previous immune response to increase the immune response against peptides

Platform technology

- **Expected benefits:** Improved safety profile, simplified administration, stronger immune response
- Flexibility: TET vaccines can be tailored to many types
 of cancer and infectious diseases, by coupling various
 antigens to the TET adjuvant

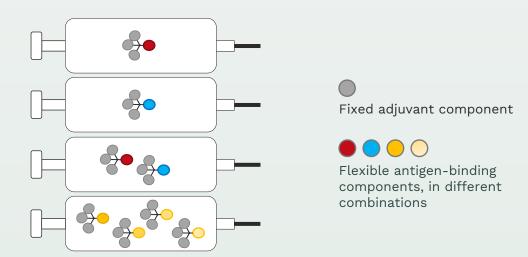


TET vaccine design (illustrative)

Vaccine design

TET vaccine flexibility (illustrative)

- **Core element** is the vaccine adjuvant, a tetanus toxin peptide sequence MTTE (Minimal Tetanus Toxin Epitope), a B cell epitope
- Molecule design: the adjuvant (three identical MTTEs) and the tumor antigen are coupled to a central core and combined in the same molecule





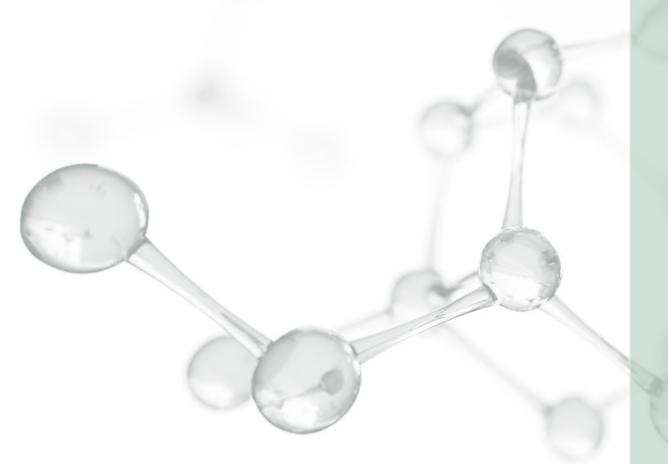
The TENDU Phase I trial

- The TENDU trial investigates a prostate cancer specific vaccine based on the TET adjuvant platform technology
 - Conducted at Oslo University Hospital
 - Completed enrollment of twelve patients as of Dec 14th, 2022
 - Three patients were treated in each of the first two dosing cohorts, and six in the highest dosing cohort
 - No safety concerns to date
- This Phase I trial will provide valuable information on dose, safety and immune activation toward the further development of new vaccine solutions based on the TET technology



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UV1 is poised to tap into a large market due to its combination with CPIs

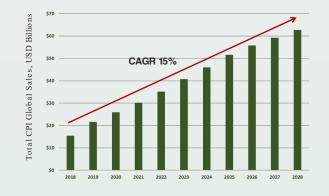
Combination with CPIs

- UV1 can be combined with the (standard-of-care) CPI in a broad range of cancer types
- Use of UV1 as an add-on therapy is currently evaluated in 5 different cancer indications
- Large opportunity to expand to other cancer types

Margan farmine 2020 Margan fa

2 Substantial market potential

- UV1 is combined with 4 out of the top 5 CPIs currently on the market
- The target population and market potential is large and growing: the US CPI market is expected to grow by 15% p.a. until 2028



3 Competitive advantage

- UV1 is uniquely positioned on the market when compared to other cancer vaccine approaches
- Competitive advantage based on patient eligibility, production and administration

Vaccine	Eligible patients	Production	Administration
UV1	No HLA screening or tumor type restriction	Off-the-shelf / Low cost	Intradermal
Neoantigen vaccines	Sequencing of biopsies for prediction of neoantigens	Long lead-time / High cost	Intradermal Sub-Cutaneous Intra-Muscular
Intratumoral vaccines	Patients with lesion available for intratumoral injection	Depending on platform	Intratumoral
Other tumor-associated antigen (TAA) vaccines	HLA and biomarker screening for selection of patients	Depending on platform	Intradermal Sub-Cutaneous Intra-Muscular



Broad Combination Potential for UV1 in Multiple Cancer Types¹

Clinical data opens the door to future collaborations in combination therapy

(As per September 2022)	UV1
Malignant melanoma	
NSCLC	
HNSCC	
Mesothelioma	
Ovarian	
Prostate	
SCLC	
Renal	
Urothelial	
MSI-high	
Gastric	
Cervical	
Hepatocellular	
Merkel cell	
Hodgkins	
Large B-cell	
Breast	
Pancreatic	
Esophageal	
Endometrial	
Cutaneous squamous cell	
Colon	

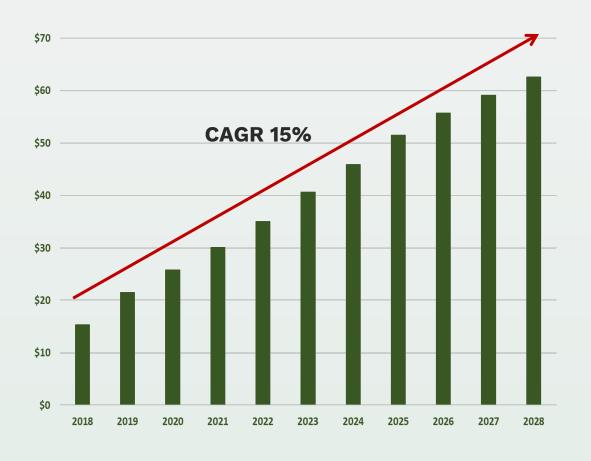
Keytruda® MSD	Opdivo® Bristol-Myers Squibb nivolumab	Imfinzi® AstraZeneca	Tecentriq® Roche atezolizumab	Bavencio® Pfizer Merck avelumab	Yervoy® Bristol-Myers Squibb	Libtayo® REGENERON
pembrolizumab	nivolumab	durvalumab	atezolizumab	avelumab	ipilimumab	cemiplimab ²
					Nivo+lpi Nivo+lpi	
					Νινο+ιρι	
					Nivo+Ipi	
					Nivo+Ipi	
					Nivo+lpi	
					Nivo+Ipi	
					Nivo+lpi	





UV1 is uniquely positioned in Phase II trials with 4 out of the top 5 CPIs

Total CPI Global Sales, \$ bn (2018-2028)



Marketed CPIs	UV1 trial	Indication
1. Pembrolizumab (Keytruda®)	FOCUS, LUNGVAC	Head & neck cancer, NSCLC ²
2. Nivolumab (Opdivo®)	INITIUM, NIPU	Malignant melanoma, mesothelioma
3. Atezolizumab (Tecentriq®)		
4. Ipilimumab (Yervoy®)	INITIUM, NIPU	Malignant melanoma, mesothelioma
5. Durvalumab (Imfinzi®)	DOVACC	Ovarian cancer
6. Cemiplimab (Libtayo®)		
7. Sintilimab (Tyvyt®)		
8. Avelumab (Bavencio®)		



^{2.} Non small cell lung cancer Source: Deutsche Bank, July 2022

UV1 is an 'off-the-shelf' product ready for combination use

Simple production and logistics:

- Well established proprietary 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
- Low manufacturing cost





UV1 Competitive Profile vs Other Cancer Vaccines approaches

Vaccine	Eligible patients	Production	Administration
UV1	No HLA screening or tumor type restriction	Off-the-shelf / Low cost	Intradermal
Neoantigen vaccines	Sequencing of biopsies for prediction of neoantigens	Long lead-time / High cost	Intradermal Sub-Cutaneous Intra-Muscular
Intratumoral vaccines	Patients with lesion available for intratumoral injection	Depending on platform	Intratumoral
Other tumor-associated antigen (TAA) vaccines	HLA and biomarker screening for selection of patients	Depending on platform	Intradermal Sub-Cutaneous Intra-Muscular



Experienced Management Team with Proven Execution Capabilities



Carlos de Sousa MD, EMBA CEO



Jens Bjørheim MD, PhD CMO



Ingunn H. Westgaard PhD Head of Research



Hans Vassgård Eid MSc Business CFO



Gudrun Trøite PhD Head of Project Coordination



Audun Tornes MSc СТО



Orla Mc Callion PhD Head of Regulatory & QΑ



Øivind Foss Dr.Scient Head of Clinical Operations



Ton Berkien BA Econ, LSiD CBO



Anne Worsøe MSc Business Head of IR



Expected news flow and milestones: key value inflection points during the next 9-24 months

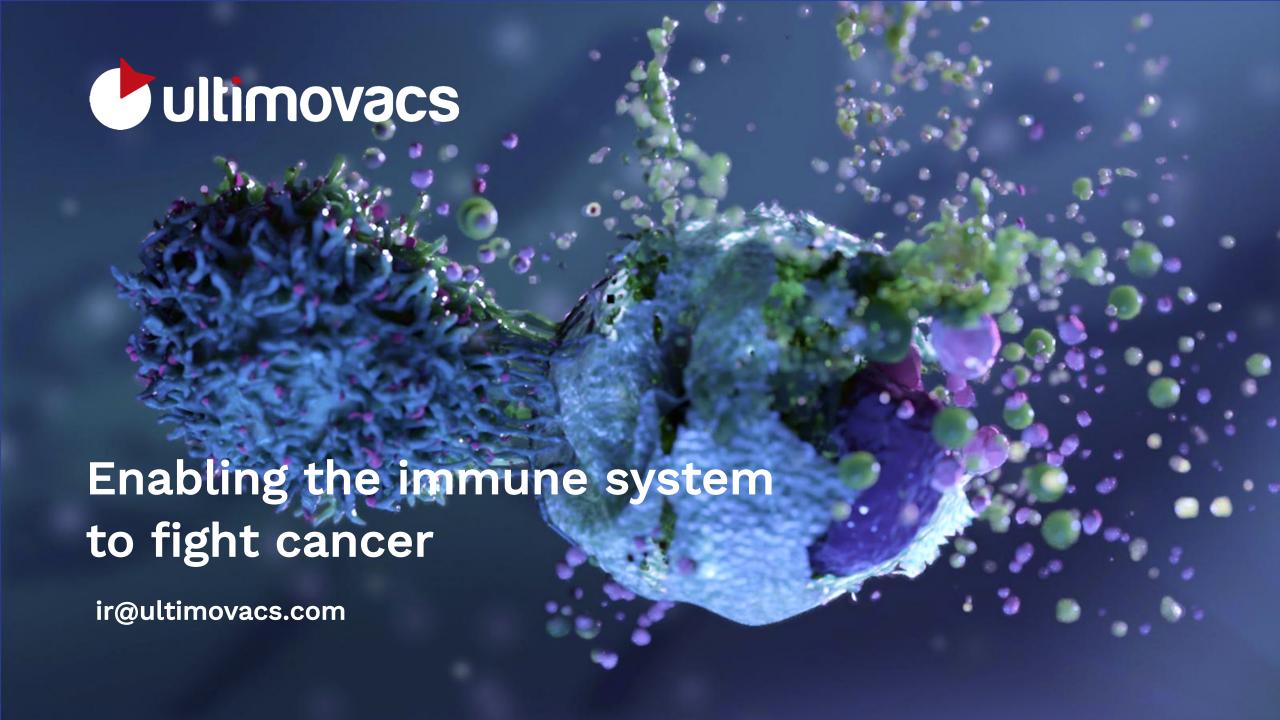
UV1	2022	2023	2024
Malignant melanoma	Phase I, UV1–103 Q3: 2-yr OS update (all 30 patients) Phase I, UV1–103 Q4: Cohort 1, 3-yr OS update		
	Phase II, INITIUM Q2: Enrollment completed	Phase II, INITIUM H1: Topline results	
Malignant pleural mesothelioma		Phase II, NIPU H1: Topline results	
Head and neck cancer		Phase II, FOCUS* Topline results	
Ovarian cancer		Phase II, DOVACC Topline results	*
Non-small cell lung cancer	Phase II, LUNGVAC Q3: First patient in		Phase II, LUNGVAC* By end of 2024: Topline results
TET			
Prostate cancer	Phase I, TENDU Q4: Completed enrollment		NGVAC: Readout estimates will be th the Q4 2022 report



Key Takeaways

- Cancer vaccine platform (UV1 and TET) enhances the efficacy and durability of IO therapy
 - Broadly applicable as backbone therapy in different cancer types and in immune-therapy combinations
- UV1 improves CPIs activity in **combination base line therapy**: off-the-shelf applicability and easy to use
 - hTERT is expressed in 85-90% of cancers at all stages of disease
 - UV1 triggers the immune response against hTERT to identify and kill cancer cells
- Good safety profile and clear signals of clinical efficacy inducing robust immune response (durability >7.5 years)
- Broad Phase II development program highlights the significant commercial potential
 - Five Phase II randomized clinical combination trials ongoing
 - Enrolling >650 patients, 100 hospitals in 15 countries
- Fast Track designation and Orphan Drug designation in metastatic melanoma provides FDA 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 in the near term and over the next 24 months









Patient baseline demographics of Phase I UV1 + ipilimumab in Malignant Melanoma

Patient characteristics

- All patients had stage IV disease
 - M1c in 50% of patients
- Elevated LDH in 50% of patients
- 33.3% of patients had received prior therapy

Patient		N (%)
Age (years)		
median, range		57 (44-74)
Sex		
	female	5 (42%)
	male	7 (58%)
ECOG		
	0	11 (91.7%)
	1	1 (8.3%)
	≥2	0 (0%)
Stage		
	M1a	3 (25%)
	M1b	2 (16.7%)
	M1c	6 (50%)
	M1d	1 (8.3%)
BRAF status		
	Mut	3 (25%)
	wt	9 (75%)

Patient	N (%)			
Liver metastases				
Yes	3 (25%)			
No	9 (75%)			
LDH				
above ULN	6 (50%)			
below ULN	6 (50%)			
Prior therapy				
Chemotherapy	2 (16.7%)			
BRAF/MEK inhibitor	2 (16.7%)			
ipilimumab	0 (0%)			
Prior lines of therapy				
0	8 (66.7%)			
1	4 (33.3%)			
≥2	0 (0%)			



Patient baseline demographics of Phase I UV1 + pembrolizumab

Key Eligibility Criteria

- Advanced histologically confirmed malignant melanoma (stage IIIB-C, IV)
- Measurable and evaluable disease according to iRECIST
- Previously untreated and eligible for pembrolizumab (prior BRAF and MEK inhibitors permitted)
- ECOG 0-1
- Active brain metastases, and uveal or ocular melanoma not permitted

Patient characteristics

- 63% ECOG status 1
- M1c in 27% of patients
- Elevated LDH in 31% of patients
- All patients treated as first-line
- PD-L1 negative tumour biopsies in 64% of evaluable patients
- TMB low in 47% of evaluable patients

Characteristic		N (%)	
Age (years)			
Median, range		70,5 (30-87)	
Sex			
	female	9 (30%)	
	male	21 (70%)	
ECOG status			
	0	19 (63%)	
	1	11 (37%)	
Stage			
	IIIB	2 (7%)	
	IIIC	9 (30%)	
	IV M1a	5 (17%)	
	IV M1b	5 (17%)	
	IV M1c	8 (27%)	
	IV M1d	1 (3%)	
Liver metastases			
	Yes	4 (13%)	
	No	26 (87%)	

Characteristic		N (%)	
BRAF V600E*			
	Mut	10 (33%)	
W	ild-type	17 (57%)	
LDH^			
abo	ove ULN	9 (31%)	
bel	ow ULN	20 (69%)	
Prior lines of systemic			
therapy			
	0	30 (100%)	
PD-L1 status			
Positiv	/e (≥1%)	8 (36%)	
N	legative	14 (64%)	
	Missing	8	
Tumor mutational	burden		
High (≥20 n	•	3 (18%)	
Intermedia		0 (050()	
	nut/Mb)	6 (35%)	
Low (0-5 n	•	8 (47%)	
	Missing	13	



Fast track and orphan drug designation confirms our confidence in the therapeutic potential of UV1



Ultimovacs is granted Fast Track designation from the FDA for

- UV1 as add-on therapy to pembrolizumab for the treatment of malignant melanoma
- UV1 as add-on therapy to ipilimumab for the treatment of malignant melanoma
- Fast track is designed to facilitate the development and expedite the review of drugs to treat serious conditions and fill an unmet medical need
 The purpose is to get important new drugs to the patient earlier

Ultimovacs is granted Orphan Drug designation from the FDA, for

- UV1 in patients with malignant melanoma
- A status given to certain drugs which show promise in the treatment, prevention, or diagnosis of orphan diseases; a rare disease or condition that affects fewer than 200,000 people with unmet medical needs in the US. The intention of the program is to support and advance the development and evaluation of new treatments.



Experienced Board of Directors



Jonas EinarssonChairman of the board

- 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



Henrik Schüssler Board member

- CEO and board member of Gjelsten Holding AS
- Previously CFO and CEO of Norway Seafood
- Accounting/consulting experience from Ernst & Young



Haakon StenrødBoard member

- Senior Investment Manager at Watrium
- 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



Leiv Askvig Board member

- Investment Advisor at Sundt AS, a Norwegian family owned investment company
- Board member of Pandox AB, Eiendomsspar, Oncoinvent AS and Civita
- Previously Chairman of the Board of Oslo Stock Exchange and CEO of Sundal Collier & Co



Kari Grønås Board member

- 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



Aitana PeireBoard member

- 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



Ketil Fjerdingen Board member

- 25+ years experience from board and management positions in different companies and industries
- Ultimovacs' Chairman of the board from '11-'17



Eva S. Dugstad Board member

- Manager for Business and Community Relations at Faculty of Mathematics and Natural Sciences, University of Oslo
- Previously Director for Business Development at Radforsk and President and EVP at the Institute for Energy Technology (IFE)
- Has been involved in various boards in both public and private sector and in several public expert panels

