BIOTHERAPEUTICS

Corporate Overview

November 2024

ADVANCING IMMUNO-ONCOLOGY

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Forward-Looking Statements

Certain matters discussed in this presentation are "forward-looking statements" of lovance Biotherapeutics, Inc. (hereinafter referred to as the "Company," "we," "us," or "our") within the meaning of the Private Securities Litigation Reform Act of 1995 (the "PSLRA"). Without limiting the foregoing, we may, in some cases, use terms such as "predicts," "believes," "potential," "continue," "estimates," "anticipates," "expects," "plans," "intends," "forecast," "guidance," "outlook," "may," "can," "could," "might," "will," "should," or other words that convey uncertainty of future events or outcomes and are intended to identify forward-looking statements. Forward-looking statements are based on assumptions and assessments made in light of management's experience and perception of historical trends, current conditions, expected future developments, and other factors believed to be appropriate. Forward-looking statements in this presentation are made as of the date of this presentation, and we undertake no duty to update or revise any such statements, whether as a result of new information, future events or otherwise. Forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties, and other factors, many of which are outside of our control, that may cause actual results, levels of activity, performance, achievements, and developments to be materially different from those expressed in or implied by these forward-looking statements. Important factors that could cause actual results, developments, and business decisions to differ materially from forward-looking statements are described in the sections titled "Risk Factors" in our filings with the U.S. Securities and Exchange Commission, including our most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q, and include, but are not limited to, the following substantial known and unknown risks and uncertainties inherent in our business: the risks related to our ability to successfully commercialize our products, including Amtagvi, for which we have obtained U.S. Food and Drug Administration ("FDA") approval, and Proleukin, for which we have obtained FDA and European Medicines Agency ("EMA") approval; the risk that the EMA or other ex-U.S. regulatory authorities may not approve or may delay approval for our marketing authorization application submission for lifileucel in metastatic melanoma; the acceptance by the market of our products, including Amtagvi and Proleukin, and their potential pricing and/or reimbursement by payors, if approved (in the case of our product candidates), in the U.S. and other international markets and whether such acceptance is sufficient to support continued commercialization or development of our products, including Amtagvi and Proleukin, or product candidates, respectively; future competitive or other market factors may adversely affect the commercial potential for Amtagvi or Proleukin; the risk regarding our ability or inability to manufacture our therapies using third party manufacturers or at our own facility, including our ability to increase manufacturing capacity at such third party manufacturers and our own facility, may adversely affect our commercial launch; the results of clinical trials with collaborators using different manufacturing processes may not be reflected in our sponsored trials; the risk regarding the successful integration of the recent Proleukin acquisition; the risk that the successful development or commercialization of our products, including Amtagvi and Proleukin, may not generate sufficient revenue from product sales, and we may not become profitable in the near term, or at all; the risks related to the timing of and our ability to successfully develop, submit, obtain, or maintain FDA, EMA, or other regulatory authority approval of, or other action with respect to, our product candidates; whether clinical trial results from our pivotal studies and cohorts, and meetings with the FDA, EMA, or other regulatory authorities may support registrational studies and subsequent approvals by the FDA, EMA, or other regulatory authorities, including the risk that the planned single arm Phase 2 IOV-LUN-202 trial may not support registration; preliminary and interim clinical results, which may include efficacy and safety results, from ongoing clinical trials or cohorts may not be reflected in the final analyses of our ongoing clinical trials or subgroups within these trials or in other prior trials or cohorts; the risk that enrollment may need to be adjusted for our trials and cohorts within those trials based on FDA and other regulatory agency input; the risk that the changing landscape of care for cervical cancer patients may impact our clinical trials in this indication; the risk that we may be required to conduct additional clinical trials or modify ongoing or future clinical trials based on feedback from the FDA, EMA, or other regulatory authorities; the risk that our interpretation of the results of our clinical trials or communications with the FDA, EMA, or other regulatory authorities may differ from the interpretation of such results or communications by such regulatory authorities (including from our prior meetings with the FDA regarding our non-small cell lung cancer clinical trials); the risk that clinical data from ongoing clinical trials of Amtagvi will not continue or be repeated in ongoing or planned clinical trials or may not support regulatory approval or renewal of authorization; the risk that unanticipated expenses may decrease our estimated cash balances and forecasts and increase our estimated capital requirements; the risk that we may not be able to recognize revenue for our products; the risk that Proleukin revenues may not continue to serve as a leading indicator for Amtagvi revenues; the risks regarding our anticipated operating and financial performance, including our financial guidance and projections; the effects of global pandemic; the effects of global and domestic geopolitical factors; and other factors, including general economic conditions and regulatory developments, not within our control. Any financial guidance provided in this presentation assumes the following: no material change in our ability to manufacture our products; no material change in payor coverage; no material change in revenue recognition policies; no new business development transactions not completed as of the period covered by this presentation; and no material fluctuation in exchange rates.

Global Leadership in Innovating, Developing and Delivering TIL Therapy for Patients with Cancer



OVANCE

1. EU & UK 2. lovance sponsored clinical trials, does not include expanded access or investigator sponsored studies.

Abbreviations: BTD=Breakthrough Therapy Designation; FDA=U.S. Food and Drug Administration; RMAT=Regenerative Medicine Advanced Therapy Designation

Iovance Solid Tumor Portfolio Highlights

			INDICATION & TREATMENT SETTING	PHASE 1	PHASE 2	PHASE 3	APPROVED
	Commercial		Post-anti-PD-1 advanced melanoma (U.S.) EMA & UK submitted; Canada submission planned 2H24				
		(aldesleukin) Recombinant II-2	Amtagvi treatment regimen (U.S.) Advanced melanoma, renal cell carcinoma (U.S., ex-U.S.)				
	Registration- Directed	Lifileucel + pembrolizumab	Frontline advanced melanoma	TILVANCE-301	Phase 3 (FTD, Conf	ïrmatory)	
uo s		Lifileucel	Post-chemo & anti-PD-1 advanced NSCLC	IOV-LUN-202: C	ohorts 1&2		
xpansio tunities	Lifileucel Pipeline	Lifileucel	Post-chemo & anti-PD-1 endometrial cancer	IOV-END-201: C	Cohorts 1&2		
bel E ppoi		Lifileucel, Lifileucel + ICI	1-4L ICI-naïve & post-anti-PD1 advanced NSCLC	IOV-COM-202:	Cohorts 3A-3D*		
o La		Lifileucel + ICI	ICI-naïve advanced melanoma	IOV-COM-202:	Cohorts 1A, 1D*		
		Lifileucel core biopsy	2L post-chemo & post-anti-PD-1 advanced NSCLC	IOV-LUN-202: C	ohort 3		
	Next- Generation Products	PD-1 Inactivated TIL (IOV-4001)	Post anti-PD1 advanced melanoma	IOV-GM1-201: 0	Cohort 1		
		PD-1 Inactivated TIL (IOV-4001)	2-4L incl. post-anti-PD-1 advanced NSCLC	IOV-GM1-201: 0	Cohort 2		
		IL-2 analog (IOV-3001)	TIL treatment regimen	IOV-IL2-101			
		IL-12 tethered TIL (IOV-5001)	Basket trial (planned pre-IND in 2025)	Planned			

IOVANCE

*Enrollment complete in Cohort 3B; Cohorts 1A and 3D are new planned cohorts

Abbreviations: 1L=first line; 2L=second line; 4L=fourth line; FTD=Fast Track Designation; ICI=immune checkpoint inhibitor; IL-2=interleukin 2; IL-12=interleukin 12; IND=investigational new drug application; NSCLC=non-small cell lung cancer; PD-1=programmed cell death protein-1; TIL=tumor infiltrating lymphocytes

Tumor Infiltrating Lymphocytes (TIL): Leading Cell Therapy Platform for Solid Tumors

TIL – Unique Proposed Mechanism of Action

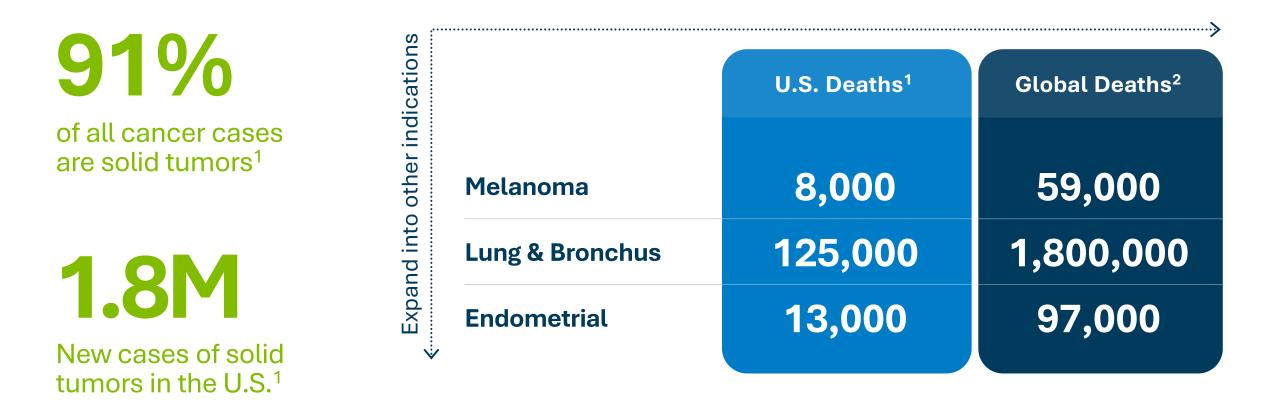
- Individualized
- One-time therapy
- Deploys the patient's own T cells to fight cancer

TIL Treatment Regimen

Patient-specific T Cells Grown into the Billions¹ Tumor Tissue Collection

IOVANCE

Significant Market Potential in Solid Tumors and our Key Programs



1. National Cancer Institute Surveillance, Epidemiology and End Results (SEER) Program. 2024 Estimates. https://seer.cancer.gov (accessed May 2024) 2. World Health Organization International Agency for Research on Cancer (IARC). GLOBOCAN 2022



Significant Opportunity to Expand Advanced Melanoma Market

Annual US & Ex-US Addressable Patient Opportunity in Previously Treated Advanced Melanoma³

~30,000 Advanced Melanoma Overall Patient Opportunity³



- National Cancer Institute Surveillance, Epidemiology and End Results (SEER) Program. 2024 Estimates. https://seer.cancer.gov (accessed May 2024)
- 2. World Health Organization International Agency for Research on Cancer (IARC). GLOBOCAN 2022
- 3. Data on file as of September 30, 2004. Includes more than 20,000 patients initial target markets plus additional potential markets.
- 4. Validated August 2024



Earlier Treatment Settings

Initial Ex-	Submitted Planned		
EU: 2Q 2024 ⁴ 💮	UK: 2H 2024 + Canada: 2H 2024 (•)	Australia: 1H 2025 🎨	Switzerland: 2025 🔂
1H	2H	1H	2Н



AMTAGVI (lifileucel) Suspension (lifileucel) Suspension T cell Therapy for a Solid Tumor Cancer





Preferred second-line+ therapy in NCCN guidelines¹

Actor portrayal and not real images of T cell.

Your Melanoma. Your Cells. Your Treatment.

First and only FDA-approved one-time T cell therapy treatment for people with previously treated melanoma that has spread or cannot be removed by surgery.

IS AMTAGVI[™] RIGHT FOR ME?

I'M READY FOR TREATMENT

CALL US

HAVE QUESTIONS?

Meet Toni and learn about her treatment story. See Toni's Story



1.National Comprehensive Cancer Network® Guidelines, Melanoma: Cutaneous, Version 2.24

Amtagvi[™] Delivered Deep and Durable Responses

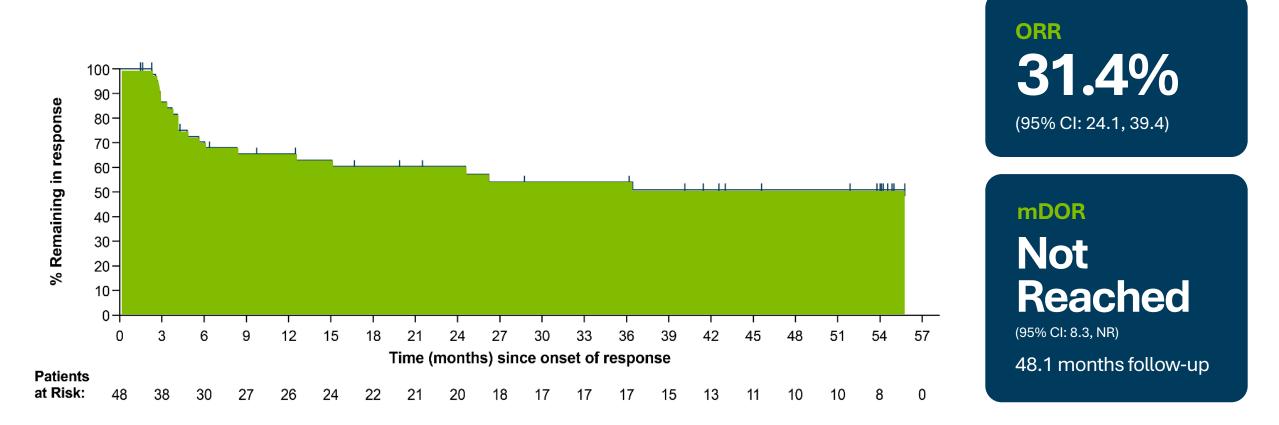


IOVAN

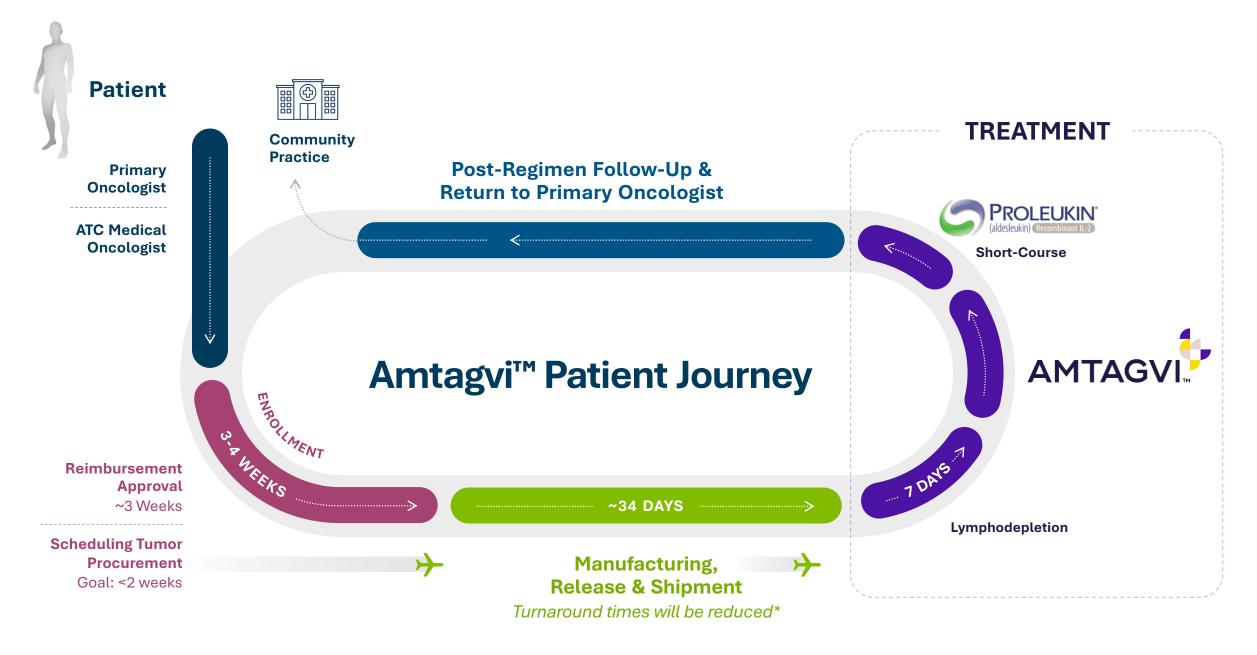


Amtagvi[™] Durability at 4-Years Follow Up (Pooled Analysis, n=153)

21.9% of patients were alive at 4-year follow-up



IOVAN



IOVAN

*Earlier time to treatment driven by faster reimbursement and scheduling, earlier lymphodepletion, and shorter turnaround for manufacturing/release as the launch continues

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Iovance Cell Therapy Center: *i*CTC

- Built-to-suit custom facility in Navy Yard Philadelphia
- Commercial and clinical TIL therapy supply
- Expanding headcount in alignment with expected growth in demand
- Control to optimize capacity, quality & COGS

FDA-Approved Cell Therapy Manufacturing Facility Dedicated to Commercial and Clinical TIL Cell Therapies



IOVANCE

COGS= cost of goods sold

Iovance Cell Therapy Center (iCTC): Capacity Expansion Plans

Pre-Approval (Complete)

100s of patients/year

Launch Prep in core suites for

commercial

4 separate flex suites for clinical Today (As built)

up to **2,000+**

patients/year¹

12 core suites for commercial

4 separate flex suites for clinical Site Expansion (In progress)²

5,000+ patients/year

24 core suites for commercial

4 separate flex suites for clinical *i*CTC Campus Expansion

10,000+ patients/year

*i*CTC building expansion³

Automation

IOVANCE

1. Ongoing staffing, contract manufacturer provides flexibility for incremental additional capacity 2. Expansion within existing shell 3. Option to build on adjacent parcel

Amtagvi[™] Authorized Treatment Centers (ATCs)¹

Goal to ensure patients have geographic accessibility to ATCs



Broad Market Access

Payer medical coverage policies consistent with Amtagvi label, clinical trials and NCCN guidelines



IOVANCE

Data on file as of October 31, 2024. *Plans or policies that cover Amtagvi, including pharmacy benefit managers (PBMs) Abbreviations: NCCN = National Comprehensive Cancer Network

Amtagvi™ Expansion Plans in Advanced Melanoma



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LIFILEUCEL + PEMBROLIZUMAB IN FRONTLINE ADVANCED MELANOMA: IOV-COM-202 COHORT 1A

Unprecedented Rate, Depth & Durability of Responses in Frontline Advanced Melanoma

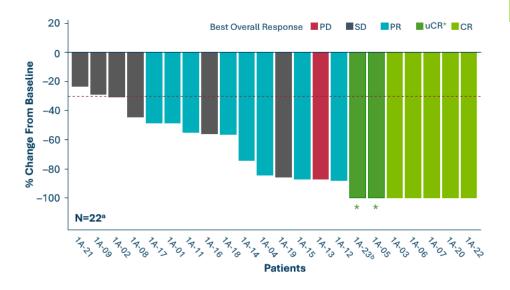
Data support rationale for TILVANCE frontline study:¹

 65.2%
 30.4%
 64.7%

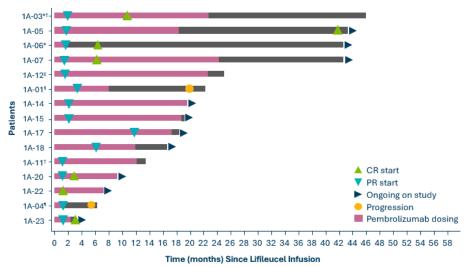
 ORR via RECIST v 1.1
 CR
 PFS at 6 & 12 months

- Median PFS and median DOR not reached at nearly 2 years of median follow-up (median follow-up 21.7 months)
- All response-evaluable patients demonstrated regression of target lesions
- Safety consistent with underlying disease and known safety profiles of pembrolizumab, NMA-LD, lifileucel, and IL-2
- Late AEs consistent with anti-PD-1 monotherapy, differentiated from ICI combination therapies

Best Percentage Change from Baseline in Target Lesion SOD



Time to Response and Time of Efficacy Assessment for Confirmed Responders (PR or Better)



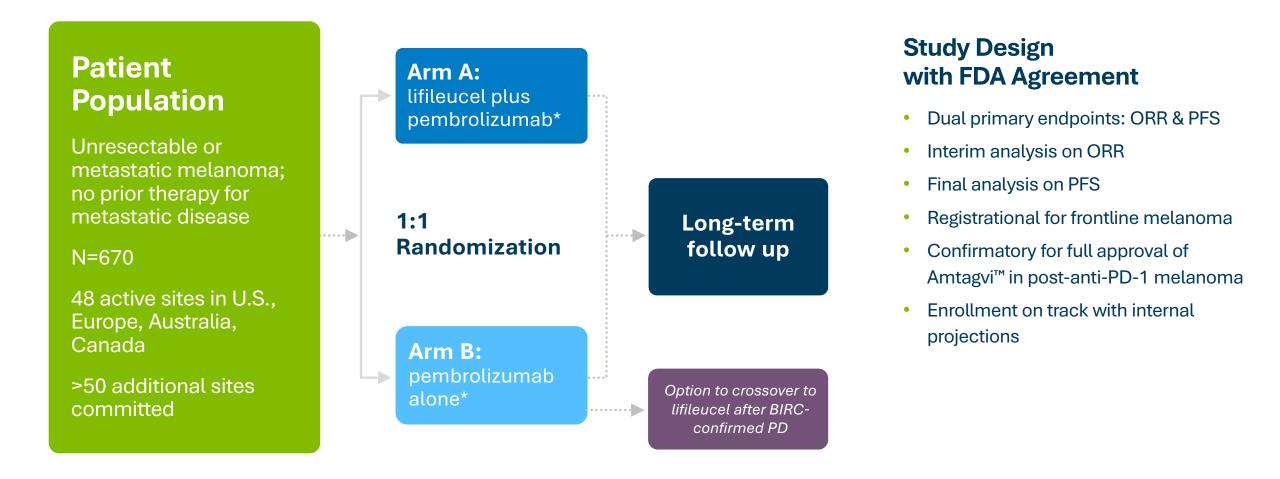
^{1.} Thomas et al, ASCO 2024; Data on file as of May 31, 2024.

^{*} Unconfirmed CRs, confirmed following data cut.

^A One patient without a postdose tumor response assessment was not included. ^bTarget lesion lymph node at baseline decreased by 50% is no longer pathological, and thus is shown here as -100% representing uCR. Cl, confidence interval; CR, complete response; DOR, duration of response; ICl, immune checkpoint inhibitor; ORR, objective response rate; PD, progressive disease; PFS, progression free survival; PR, partial response; RECIST, Response Evaluation Criteria in Solid Tumors; SD, stable disease; SOD, sum of diameters; AE, adverse event; IL-2, interleukin-2; NMA-LD, nonmyeloablative lymphodepletion

TILVANCE-301 Global Phase 3 and Confirmatory Trial

Randomized, multicenter study with optional crossover to lifileucel (NCT05727904)



*Pembrolizumab in both arms is started at the same time after randomization.

Abbreviations: BIRC=blinded independent review committee; ORR=objective response rate; PD=progressive disease; PD-1=programmed cell death protein-1; PFS=progression free survival

TIL Therapy Pipeline



20

Large Domestic and Global Addressable Market in Non-Small Cell Lung Cancer (NSCLC)

Cohorts investigating multiple treatment regimens and patient populations in 3 lovance clinical trials

2L+ NSCLC Addressable Patient Population^{1,2}

Target **EU Markets:**

50K

US: **50K**





210K+

Frontline NSCLC addressable patient population in U.S. & globallv^{1,2}

Leading of U.S. cancer cause

for approx. **1** in **5** cancer-related deaths³

deaths, accounting

patients over a decade: impact of initial therapy at academic centers, Cancer Med. 2018.

<6 mo.

Globally (2L+):

100K

Real-world overall survival (US)⁴

4. National Cancer Database, NSCLC survival from >1 million pati nts assessed. Lou Y et al. Survival trends among non-small-cell lung cancer

9%

5-yr survival rate³

1. Clarivate DRG Disease Landscape (2021), figures approximate

2. Data on file as of September 30, 2024, figures approximate

3. American Cancer Society, Lung Cancer. https://www.cancer.org/cancer/types/lung-cancer/about.html accessed July 2023

IOV-LUN-202 Registrational Trial Design

Phase 2 Multicenter Study of Lifileucel[†] in Patients Post-Anti-PD-1 NSCLC (NCT04614103)

Patient Population

Unresectable or metastatic NSCLC with progression on or after prior anti-PD-1 treatment and chemotherapy

~35 sites and expanding in U.S., Canada, Europe, APAC

Registrational Cohorts

Cohort 1: < 1% or unknown TPS

Cohort 2: ≥ 1% TPS

Exploratory Cohorts

Cohort 3: Core Biopsy and Gen3⁺⁺

Cohort 4: Pre-progression tumor harvest

Retreatment Cohort

IOV-LUN-202 is designed to enroll patients with advanced NSCLC with a high unmet medical need, post anti-PD-1 treatment

Endpoints

• Primary: ORR by IRC

Secondary: Safety

Data for registrational cohorts anticipated in 2025

[†]Gen 2 TIL product ^{††} Cohort 3 patients unable to undergo surgical harvest, TIL grown from core biopsy

Abbreviations: Anti-PD-1=anti-programmed cell death inhibitor; IRC=independent review committee; NSCLC=non-small cell lung cancer; ORR=objective response rate; TPS=tumor proportion score



by RECIST 1.1, Regardless of PD-L1 Status*

9

10 11 12 13

Patients

Strong Preliminary Clinical Results in Second-Line mNSCLC

Tumor Reduction and Deep, Durable Responses in Previously Treated NSCLC, Regardless of PD-L1 Status¹

Best Percentage Change from Baseline in Target Lesion SOD

 18
 19
 20
 21

 18
 19
 20
 21

Duration of response >6 months for 71% of

confirmed responders in the trial**

*Data cut: July 6, 2023. 21 evaluable patients for responses. Responses were assessed by investigator; **Updated analysis in November 2023 showed additional ongoing responses (not indicated in above charts)

15 16 17

1. Patients who have progressed on or after chemotherapy and anti-PD-1 therapy for advanced (unresectable or metastatic) NSCLC without EGFR, ROS or ALK genomic mutations and had received at least one line of an FDA-approved targeted therapy if indicated by other actionable tumor mutations. 2. A bar is presented for each patient starting from date of Lifileucel infusion up to date of new anti-cancer therapy, end of assessment, death, or data cutoff date, whichever occurs earlier.

Abbreviations: AE, adverse event; CI, confidence interval; CR, complete response; DOR, duration of response; ICI, immune checkpoint inhibitor; NE, not evaluable; NMA-LD, non-myeloablative lymphodepletion;

NSCLC, non-small cell lung cancer; ORR, objective response rate; PD, progressive disease; PR, partial response; SD, stable disease; SOD, sum of diameters; TEAE, treatment-emergent AE; TPS, tumor proportion score.



% Change from Baseline

(n=23)

-100

26.1% ORR

Cohort 3A Results Support Adding TIL Therapy to Frontline NSCLC¹

PD-L1 negative, EGFR^{WT} subgroup has a high unmet need²

64.3% ORR EGERWT

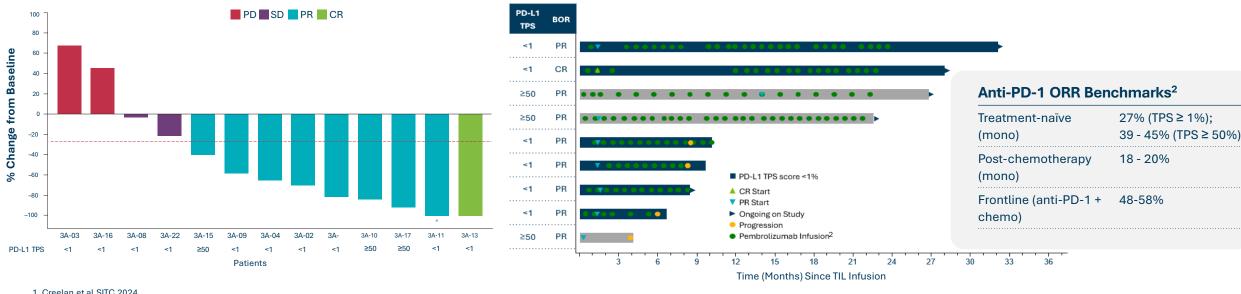
54.5% ORR EGFR WT PD-L1 Negative by RECIST 1.1

mDOR not reached (median follow-up 26.5 months)

Safety consistent with lovance TIL combination studies

Time to Response for Confirmed Responders (PR or Better, EGFR^{WT} Patients)

Supports adding TIL therapy to pembrolizumab plus chemotherapy for frontline NSCLC in new IOV-COM-202 cohort



Best Percentage Change from Baseline in Target Lesion SOD

1. Creelan et al,SITC 2024

2. KEYTRUDA USPI: OPDIVO USPI

*PR response based on target lesion reduction of 100% with the persistence of nontarget lesions.

Abbreviations: CR, complete response; EGFR, epidermal growth factor receptor; ICI, immune checkpoint inhibitor; NSCLC, non-small-cell lung cancer; ORR, objective response rate; PD, progressive disease; PR, partial response; RECIST, Response Evaluation Criteria in Solid Tumors; SD, stable disease; SOD, sum of diameter; TPS, tumor proportion score; WT, wild-type

Potential Market for Advanced Endometrial Cancer

Immunosensitive Tumor Type with Significant Unmet Need in 2L+

90%+ of Uterine Cancers are Endometrial

13,300 US annual uterine cancer deaths¹

97,000 Global deaths²

18.9% 5-yr survival (distant metastases)¹

Anti-PD-(L)1 moving into front-line therapy setting³

No standard of care for 2L+ post-anti-PD-1

- Molecularly defined subgroups with available targeted therapies are small
- ORR with mono-chemotherapy after front-line chemo doublet: ~15%^{5,6}
- Limited data on treatments after anti-PD-(L)1

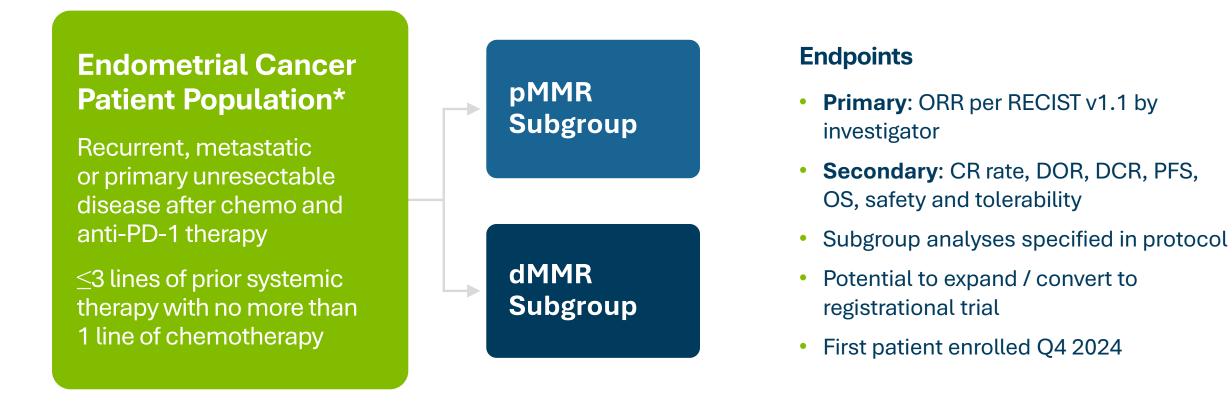
Endometrial Cancer Biomarkers⁴

dMMR: 27% pMMR: 73%

1. National Cancer Institute Surveillance, Epidemiology and End Results (SEER) Program. 2024 Estimates. https://seer.cancer.gov (accessed May 2024); 2. World Health Organization International Agency for Research on Cancer (IARC). GLOBOCAN 2022 3. NCCN Guidelines Version 2.2024 Endometrial Carcinoma; 4. Kang et al, Nature Portfolio, Scientific Reports, 2022; 5. Makker V, et al. N Engl J Med. 2022; 6. McMeekin S, et al. Gynecol Oncol. 2015. Abbreviations: Anti-PD-1=anti-programmed cell death inhibitor; pMMR = proficient DNA mismatch repair; dMMR = deficient DNA mismatch repair; SOC=standard of care; TMB-H = tumor mutational burden high; ORR = objective response rate

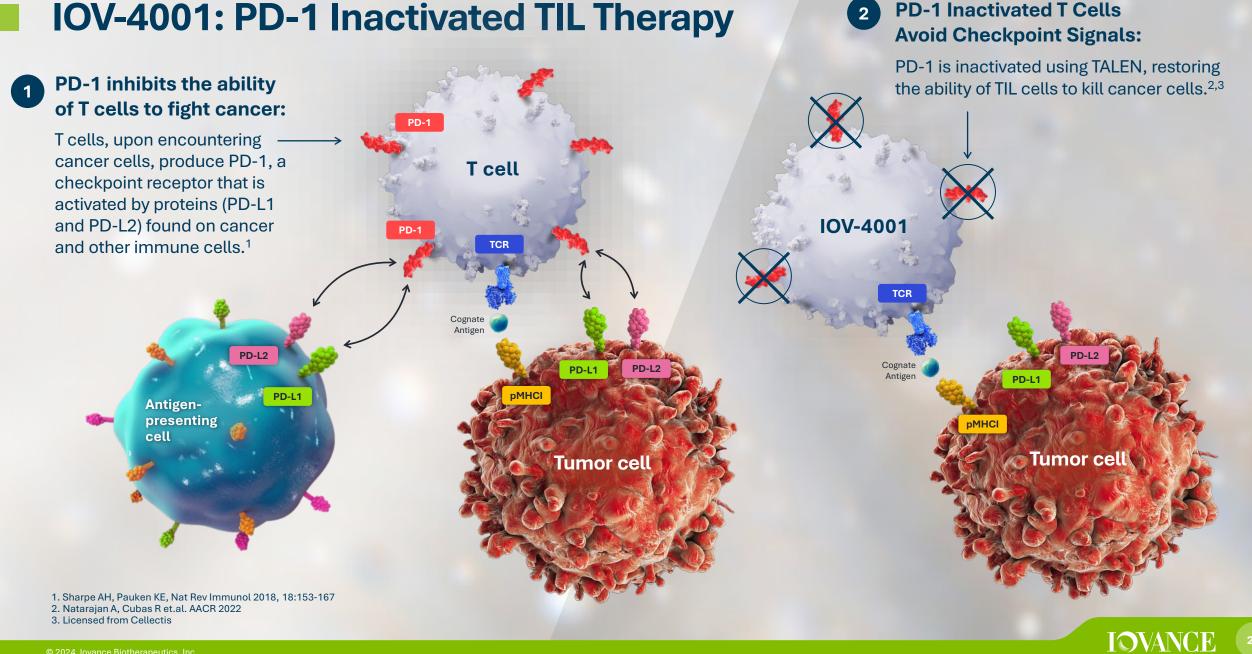
IOV-END-201 Phase 2 Proof of Concept Study

Proof-of-Concept Trial in Patients with Mismatch Repair (MMR) Proficient and Deficient Tumors (NCT06481592)



*Sample size and study population of registrational ph2 study will be determined after PoC final analysis

Abbreviations: Anti-PD-1, anti-programmed cell death inhibitor; CR, complete response; dMMR, mismatch repair deficient; pMMR, mismatch repair proficient; DCR, disease control rate; DOR, duration of response; ORR, objective response rate; OS, overall survival; PFS, progression free survival



Phase 1/2 Open-Label First-in-Human Study: IOV-GM1-201

Genetically Modified, PD-1 Inactivated TIL Therapy IOV-4001 in Previously Treated Metastatic Melanoma and NSCLC (NCT05361174)

Patient Population

Adults with unresectable or metastatic melanoma or advanced NSCLC

N=53

Cohort 1: Unresectable or metastatic melanoma

Post-anti-PD-1/L1, post-BRAF/MEK inhibitor in patients with BRAF mutations

Cohort 2: Stage III or IV NSCLC

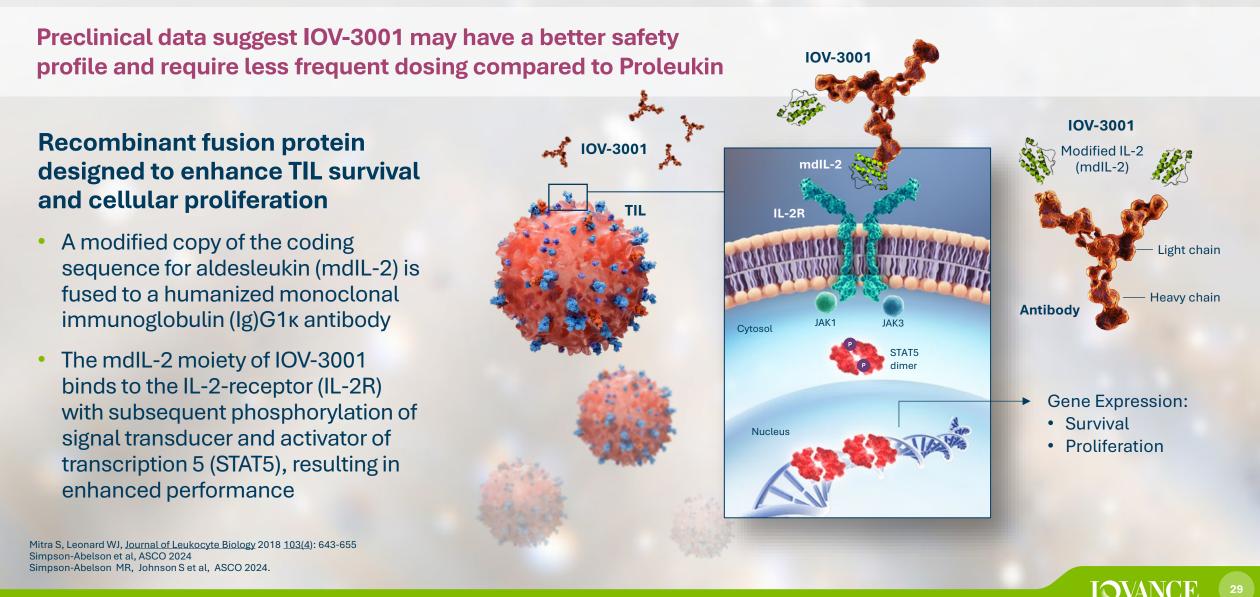
Post-anti-PD-1/L1 or post targeted therapy and either chemotherapy or anti-PD-1/L1

Endpoints

- Phase 1: Safety (Complete)
- Phase 2 Primary: ORR per RECIST v1.1 by investigator
- **Secondary**: CR rate, DOR, DCR, PFS, OS, safety and tolerability

Abbreviations: Anti-PD-1=anti-programmed cell death inhibitor; CR=complete response;; DCR=disease control rate; DOR=duration of response; NSCLC=non-small cell lung cancer; ORR=objective response rate; OS=overall survival; PFS= progression free survival

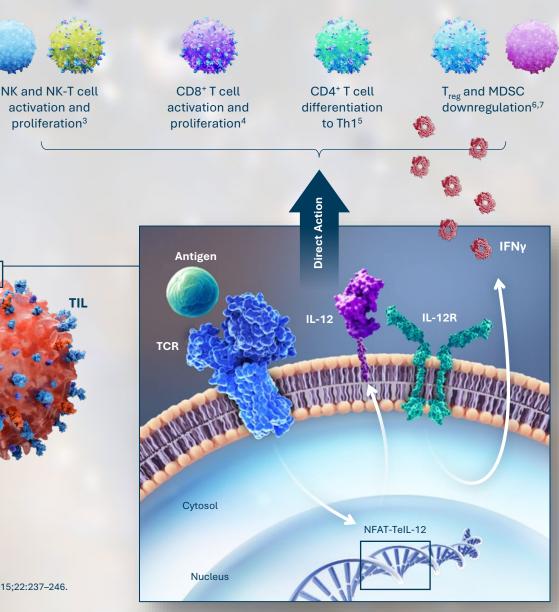
IOV-3001: Next Generation IL-2 for TIL Supportive Regimen



IOV-5001: IL-12 TIL Therapy to Increase Efficacy

- Tethered IL-12 TIL cells can improve efficacy by remodeling the suppressive TME into an immunosupportive state
 - In advanced melanoma patients, an ORR of 63% (n=16) was observed with prior generation IL-12 secreting TIL product at doses 10- to 100-fold lower than conventional TIL products¹
- IL-12 shows independent clinical efficacy, with safe delivery to the TME being the primary challenge^{1,2}
- Expression of IL-12 on IOV-5001 is induced upon antigen encounter in the TME^{1,2}
- IOV-5001's expressed IL-12 is tethered to the membrane surface of TIL to avoid release into circulation (shedding)²
- Inducible IL-12 expression in the TME and lack of IL-12 shedding are expected to allow increased IOV-5001 cell doses and improved TIL efficacy in solid tumor cancers
- 1. Zhang L, Rosenberg SA, et al, Clin Cancer Res 2015;21(10):2278-2288
- 2. Zhang L, Davis JS, et al, J Immunother Cancer 2020;8:e000210
- 3. Kobayashi M, Fitz L, et al, J Exp Med 1989;170:827-845.
- 4. Zeh HJ, Hurd S et al, J Immunother 1993;14:155-61.
- 5. Tugues S. Burkhard SH, et al. Cell Death and Differentiation 2015;22:237-246.
- 6. Cao X, Leonard K, et al, Cancer Res 2009;69:8700-9.
- 7. Steding CE, Wu S, et al, Immunology 2011;133:221-38.

IL=12 = interleukin 12; MDSC = myeloid derived suppressor cell; NK = natural killer cell; NKT = natural killer T cell; ORR = objective response rate; TME = tumor microenvironment; Treg = regulatory T cell



Corporate Summary & Milestones



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Strong Financial Position for Launch Success and Pipeline Growth

September 30, 2024	(in millions)
Cash position	\$403.8 ¹
Common shares outstanding	304.6
Preferred shares outstanding	2.9 ²
Stock options and restricted stock units outstanding	28.8

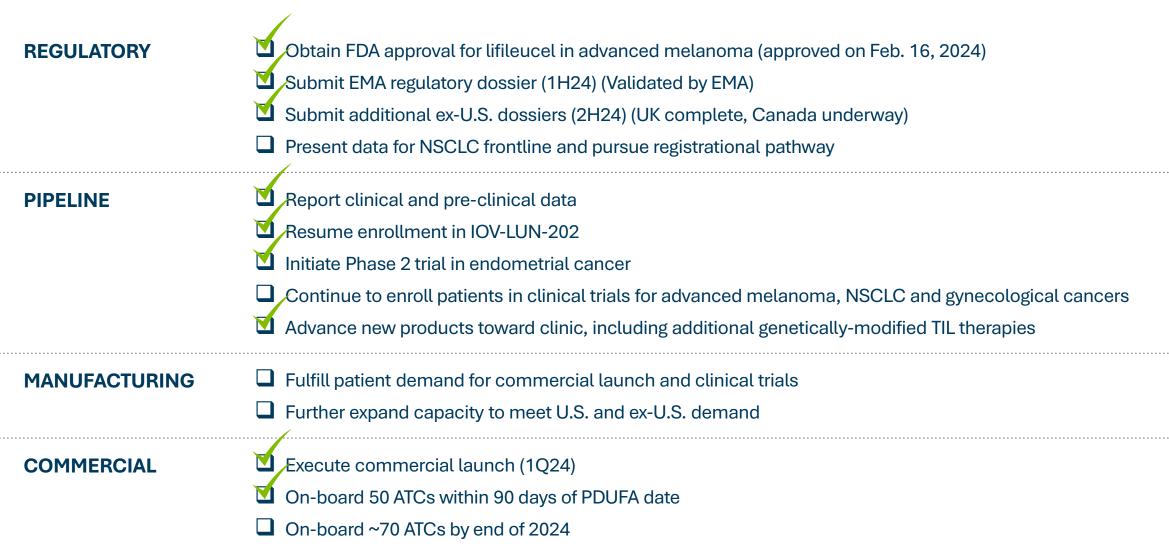
Cash runway is sufficient into early 2026³ Gross margins expected to increase to >70% over next several years⁴

INA

- 1. Includes net proceeds of approximately \$200.0 million raised from an at-the market (ATM) equity financing facility during the second and third quarter of 2024
- 2. Preferred shares are shown on an as-converted basis
- 3. Includes anticipated revenue from Amtagvi™ and Proleukin®
- 4. Q3 total product revenue of \$58.6 million and cost of sales \$39.8 million, primarily attributed to \$8.3 million in period costs associated with patient drop off and manufacturing success rates, \$5.5 million for non-cash amortization expense for intangible assets, and \$3.9 million in royalties payable on product sales



Anticipated 2024 Milestones



Corporate Highlights

Pioneering a Transformational Approach to Cure Cancer

Large Market Opportunity in High Unmet Need Cancers

- Initial focus in post-ICI solid tumors
- Expansion into combinations, new tumor types, earlier lines of therapy and genetic modifications
- Key late-stage trials in melanoma, NSCLC
- First-in-human trial of genetically modified PD-1 inactivated TIL

First FDA Approved T Cell Therapy for a Solid Tumor Cancer

- FDA accelerated approval for Amtagvi[™] in advanced melanoma
- TILVANCE-301 Phase 3 confirmatory trial in frontline advanced melanoma (FTD)
- Defined registration strategy in NSCLC
- Regulatory dossiers under review, submitted or planned across multiple international markets

Efficient and Scalable Proprietary Manufacturing Facility

- Iovance Cell Therapy Center (*i*CTC) in-house manufacturing
- Ample capacity for U.S. launch and global clinical trials
- Additional capacity with contract manufacturer

AMTAGVI (lifileucel) Suspension for IV infusion

Fully-Integrated for Commercial Success

- Experienced crossfunctional cell therapy team
- TIL service-line capabilities established with leading U.S. cancer centers

 IovanceCares[™] proprietary platform

BIOTHERAPEUTICS

Thank You

ADVANCING IMMUNO-ONCOLOGY

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