PDL1V (PF-08046054) is an investigational antibody-drug conjugate (ADC) that binds to PD-L1expressing tumor cells and delivers cytotoxic agent monomethyl auristatin E (MMAE) through proteolytic cleavage of the MMAE drug linker^{1,2} (**Figure 1**)

 Released MMAE binds and disrupts microtubule networks, resulting in mitotic arrest and apoptotic tumor cell death;³⁻⁵ MMAE additionally induces immunogenic cell death^{4,6-8}

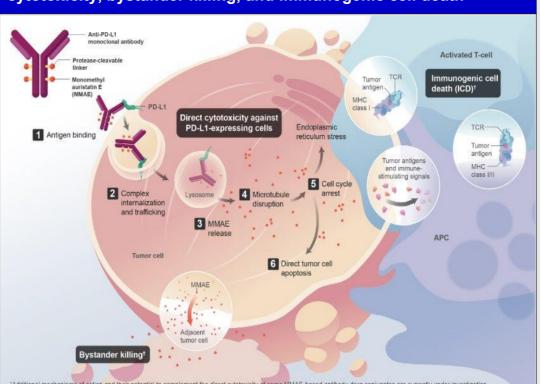
 In MMAE-sensitive xenograft models, PDL1V has shown antitumor activity across a range of PD-L1 expression levels²

 While PDL1V targets the PD-L1 immune checkpoint ligand, nonclinical data suggest that checkpoint inhibition through blockade of programmed cell death 1 (PD-1)/PD-L1 interactions is unlikely to be a major contributor to the mechanism of action due to limitations of dose levels, schedules, and exposure with ADCs

 Encouraging preliminary efficacy was observed with PDL1V along with a manageable safety profile in patients with R/R PD-L1-positive NSCLC9

 Here, we present updated results from this study in patients with metastatic R/R NSCLC

Figure 1. PDL1V drives antitumor activity through direct cytotoxicity, bystander killing, and immunogenic cell death



Methods

Inc., Bothell, WA, USA; 19Sarah Cannon Research Institute UK, London, United Kingdom

C5851001 (NCT05208762) is a phase 1 study of PDL1V monotherapy in patients with advanced solid tumors and in combination with pembrolizumab in patients with metastatic or unresectable head and neck squamous cell carcinoma (HNSCC) or NSCLC

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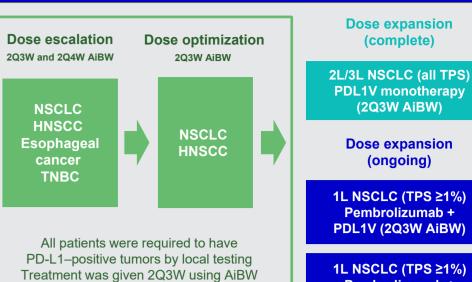
START Center for Cancer Research, San Antonio, TX, USA; 14The Royal Marsden Hospital, London, United Kingdom; 15Charite Universitatsmedizin Berlin, Germany; 16Gustave Roussy, Drug Development Department, Villejuif, France; 17Institut Curie, Paris, France; 18Pfizer

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- This analysis included dose escalation, dose optimization, and dose expansion cohorts that included patients with R/R NSCLC independent of PD-L1 expression by TPS (Figure 2)
- Key inclusion criteria included ≥18 years of age, histologicallyor cytologically-confirmed NSCLC, measurable disease per Response Evaluation Criteria in Solid Tumors (RECIST) 1.1, and an Eastern Cooperative Oncology Group (ECOG) performance status of 0 or 1
- Patients who received prior taxane were included in the trial
- Efficacy analyses included patients with NSCLC who received PDL1V at the recommended phase 3 dose of 1.5 mg/kg 2Q3W using adjusted ideal body weight (AiBW)
- Safety data were pooled across all patients treated in the study at the recommended phase 3 dose
- The primary objectives of this analysis were to evaluate the safety and tolerability of PDL1V; a secondary objective was to assess antitumor activity

Figure 2. PDL1V Phase 1 Study Schema (NCT05208762)



1L NSCLC (TPS ≥1%) Pembrolizumab +

Dose expansion

PDL1V monotherapy (2Q3W AiBW)

Dose expansion

(ongoing)

1L NSCLC (TPS ≥1%)

Pembrolizumab +

PDL1V (2Q3W AiBW)

carboplatin + PDL1V

(2Q3W AiBW)

Data cutoff: August 22, 2025

^aPD-L1 ≥1 expression by local testing required for cohort eligibility

Conclusions



PDL1V monotherapy at 1.5 mg/kg on days 1 and 8 every 21 days (2Q3W) showed a confirmed objective response rate (ORR) of 32.4% in patients with tumor proportion score (TPS) ≥1% in relapsed or refractory (R/R) non-small cell lung cancer (NSCLC); responses were durable, with a median duration of response of 7.2 months

activity of PDL1V

(PF-08046054)

monotherapy, an ADC

targeting PD-L1,

correlates with antigen

expression in patients

with NSCLC

- Responses were observed in patients with (TPS) ≥1% NSCLC regardless of TPS score; no responses were observed in patients with TPS <1% NSCLC, indicating that programmed cell death ligand 1 (PD-L1) expressing tumors may be required for measurable antitumor activity
- PDL1V monotherapy was well tolerated with a manageable safety profile
- Treatment discontinuation rates were low (15.8%) and only 8.4% of discontinuations were treatment related
- · No treatment-related deaths were reported
- These data support the pivotal phase 3 trial in patients with R/R metastatic NSCLC

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References: 1. Doronina SO, et al. Nat Biotechnol. 2003;21(7):778-784. 2. Kwan B, et al. J Immunother Cancer. 2020;8(3):A372. 3. Ranganathan S, et al. Crit Rev Oncol Hematol. 2024;202:104472. 4. Heiser RA, et al. Mol Cancer Ther. 2024;23(1):68-83. 5. Yao H, et al. Breast Cancer Res Treat. 2015;153(1):123-133. 6. Cao AT, et al. Cancer Res. 2018; 78(13):A2742. 7. Klussman K, et al. J Immunother Cancer. 2020;8(3):618. 8. Liu BS, et al. Cancer Res. 2020;80(16):A5581. 9. Fontana E, et al. J Clin Oncol. 2025;43(16). Abstract 8611.

Acknowledgments: We thank the participating patients and their families, investigators, sub-investigators, research nurses, study coordinators, and operations staff. Editorial and medical writing support was provided by Kakoli Parai, PhD of Nucleus Global, and was

Funding: This study was sponsored by Pfizer.

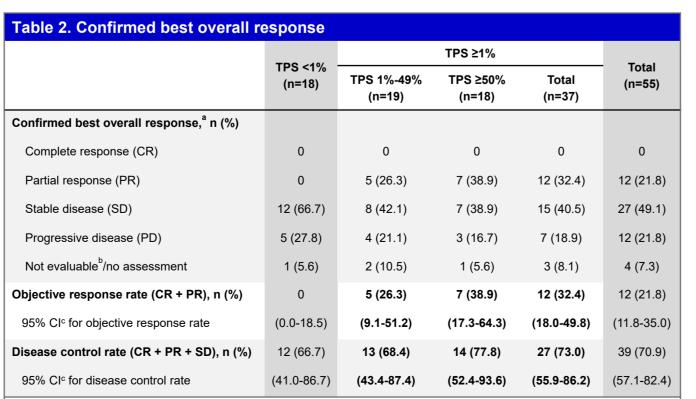
Disclosures: Dr. Oliva reports consultant/Advisory role for Merck, MSD, BeiGene; research support for clinical trials (institutional) from Merck, Boehringer Ingelheim, GlaxoSmithKline, Roche/Genentech, Bayer, AbbVie, MSD, ALX Oncology, ISA Therapeutics, Ayala Therapeutics, Debiopharm, Pfizer, BeiGene, Elixis, NYKODE, Exelixis, Ascendis Pharma; research support (individual) from Roche/Merck/MSD/BMS/Guardant Health; honoraria (lectureships/presentations/other) from Merck, MSD, Transgene; travel support from Merck, MSD, Boehringer Ingelheim.

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Results

- As of August 22, 2025, a total of 55 patients with NSCLC received PDL1V in the 2L+ setting at the recommended phase 3 dose of 1.5 mg/kg 2Q3W
- The median age was 63 years; 47.3% were female, 29.1% had squamous histology. 65.5% had prior taxane-containing therapy, and 70.9% had an ECOG performance status of 1 (**Table 1**)
- Confirmed ORR was 32.4% in patients with TPS ≥1% NSCLC (Table 2)
- Confirmed ORR was 33.3% (95% CI, 7.5-70.1) in patients with squamous NSCLC, 40.9% (95% CI, 20.7-63.6) in those with prior taxane, and 45.5% (95% CI, 16.7-76.6) in those with actionable genomic alterations (AGAs)
- Responses were observed in both non-squamous and squamous histology in patients with TPS ≥1% NSCLC (Figure 3)
- Percentage change in target lesions from baseline in patients with TPS ≥1% NSCLC is shown in Figure 4
- Median duration of response was 7.2 months (95% CI, 4.4-8.0) in patients with TPS ≥1% NSCLC

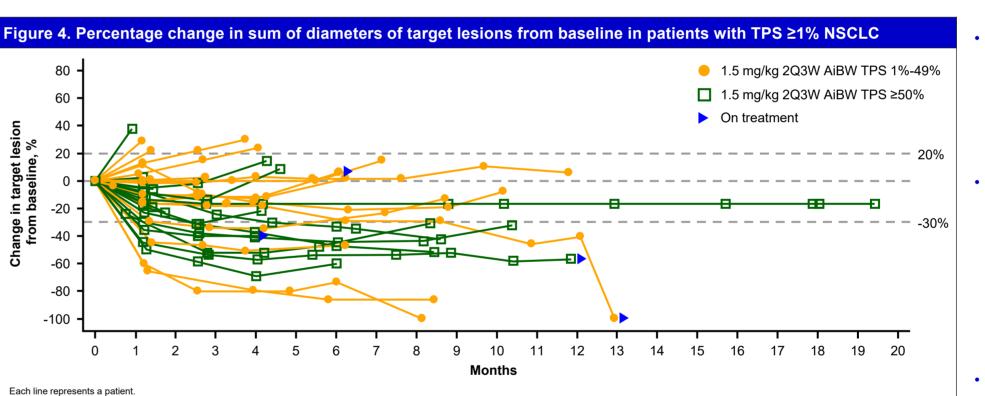
Table 1. Baseline demographics and clinical characteristics									
	TDC -40/		Total						
	TPS <1% (n=18)	TPS 1%-49% (n=19)	TPS ≥50% (n=18)	Total (n=37)	- Total (n=55)				
Age, median (range), years	65 (39-84)	61 (45-74)	64 (44-79)	63 (44-79)	63 (39-84)				
Sex, n (%)									
Female	11 (61.1)	6 (31.6)	9 (50.0)	15 (40.5)	26 (47.3)				
Histology/subtype, n (%)									
Non-squamous	11 (61.1)	15 (78.9)	13 (72.2)	28 (75.7)	39 (70.9)				
Squamous	7 (38.9)	4 (21.1)	5 (27.8)	9 (24.3)	16 (29.1)				
Tumor spread, n (%)									
Metastatic	16 (88.9)	18 (94.7)	17 (94.4)	35 (94.6)	51 (92.7)				
Locally advanced (LA)	2 (11.1)	1 (5.3)	1 (5.6)	2 (5.4)	4 (7.3)				
Patients with any AGA, n (%)	7 (38.9)	6 (31.6)	5 (27.8)	11 (29.7)	18 (32.7)				
KRAS	5 (27.8)	3 (15.8)	2 (11.1)	5 (13.5)	10 (18.2)				
BRAF V600E	3 (16.7)	0	0	0	3 (5.5)				
EGFR	1 (5.6)	2 (10.5)	2 (11.1)	4 (10.8)	5 (9.1)				
MET	0	2 (10.5)	1 (5.6)	3 (8.1)	3 (5.5)				
No. of prior treatment lines in LA or metastatic setting, median (range)	2 (1-3)	2 (1-7)	2 (1-5)	2 (1-7)	2 (1-7)				
Prior therapies in any setting, n (%)									
Platinum-based therapy	18 (100)	18 (94.7)	17 (94.4)	35 (94.6)	53 (96.4)				
PD-1/PD-L1 inhibitor	16 (88.9)	18 (94.7)	18 (100)	36 (97.3)	52 (94.5)				
Taxane-containing therapy	14 (77.8)	11 (57.9)	11 (61.1)	22 (59.5)	36 (65.5)				
AGA-targeted therapy	1 (5.6)	4 (21.1)	4 (22.2)	8 (21.6)	9 (16.4)				
ECOG performance status, n (%)									
0	5 (27.8)	6 (31.6)	5 (27.8)	11 (29.7)	16 (29.1)				
1	13 (72.2)	13 (68.4)	13 (72.2)	26 (70.3)	39 (70.9)				



Per RECIST 1.1; CR or PR were confirmed with repeat scans at least 28 days after the initial response

Two-sided 95% exact confidence interval, computed using the Clopper-Pearson method.

Figure 3. Maximum percentage reduction in sum of diameters of target lesions from baseline in patients with TPS ≥1% NSCLC 1.5 mg/kg 2Q3W AiBW TPS 1%-49% Squamous 1.5 mg/kg 2Q3W AiBW TPS ≥50% On treatment 60 -20 -80 Patients (n=37)



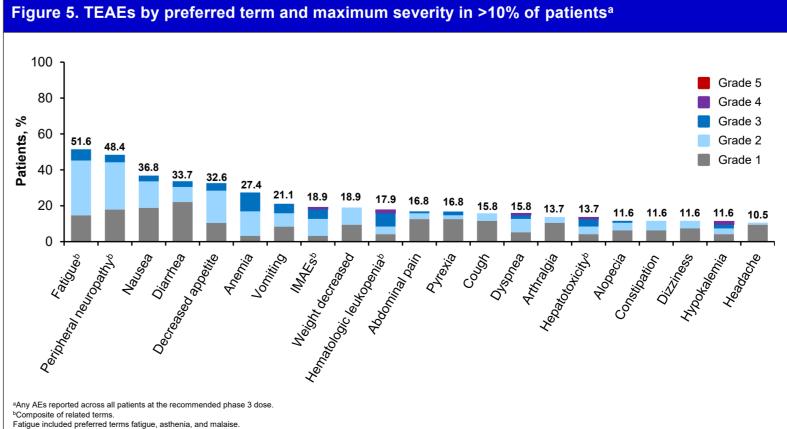
Among all patients treated in the phase 1 trial at the recommended phase 3 dose (N=95), any-grade treatment-emergent adverse events (TEAEs) occurred in all patients; grade ≥3 TEAEs occurred in 62.1% of patients (**Table 3**)

• TEAEs led to dose delay in 38.9%, dose reduction in 27.4%, and treatment discontinuation in 15.8% of patients

- The most common reason for dose modifications was peripheral sensory neuropathy with dose delay in 8.4%, dose reduction in 12.6%, and treatment discontinuation in 3.2% of patients
- 8.4% of treatment discontinuations were treatment related

Most common TEAEs were fatigue (51.6%), peripheral neuropathy (48.4%), and nausea (36.8%) (Figure 5)				
 Grade 3 peripheral neuropathy occurred in 4.2% of patients; none had a grade 4 or 5 event 				

- Any-grade treatment-related peripheral neuropathy occurred in 40.0% of patients; grade 3 occurred in 2.1%
- Treatment-emergent immune-mediated adverse events (IMAEs) occurred in 18.9% of patients; most common were pneumonitis (8.4%) and hypothyroidism (5.3%) (**Table 4**)
- Any-grade treatment-related pneumonitis/interstitial lung disease occurred in 8.4% of patients; grade 3 occurred in 3.2%; none had a grade 4 or 5 event



Hematologic leukopenia included preferred terms neutropenia, neutropenia, neutropenia count decreased, lymphocyte count decreased, lymphopenia, leukopenia, white blood cell count decreased, and febrile neutropenia.

patotoxicity included preferred terms alanine aminotransferase increased, aspartate aminotransferase increased, hypertransaminasemia, gamma-glutamyltransferase increased, blood bilirubin increased, hepatic

Peripheral neuropathy included preferred terms peripheral sensory neuropathy, muscular weakness, paresthesia, peripheral motor neuropathy, neurotoxicity, burning sensation, dysesthesia, and neuralgia. IMAEs included preferred terms pneumonitis, hypothyroidism, hepatitis, thrombocytopenia, antiphospholipid syndrome, arthritis, enterocolitis, and interstitial lung disease.

	1.5 mg/kg 2Q3W (N=95), n (%
Any TEAEs ^a	95 (100)
Treatment-related TEAEs ^b	81 (85.3)
Grade ≥3 TEAEs	59 (62.1)
Grade ≥3 treatment-related TEAEs	33 (34.7)
Any treatment-emergent SAEs	44 (46.3)
Treatment-related treatment-emergent SAEs	15 (15.8)
Discontinued treatment due to TEAEs	15 (15.8)
Discontinued treatment due to treatment-related TEA	AEs 8 (8.4)
TEAEs leading to death	9 (9.5)
Treatment-related TEAEs leading to death	0

		1.5 mg/kg 2Q3W (N=95), n (%)					
	Grade 1	Grade 2	Grade 3	Grade 4	Total		
Any IMAE	3 (3.2)	9 (9.5)	5 (5.3)	1 (1.1)	18 (18.9)		
Pneumonitis	2 (2.1)	3 (3.2)	3 (3.2)	0	8 (8.4)		
Hypothyroidism	2 (2.1)	3 (3.2)	0	0	5 (5.3)		
Hepatitis	0	0	2 (2.1)	0	2 (2.1)		
Thrombocytopenia	0	1 (1.1)	0	1 (1.1)	2 (2.1)		
Antiphospholipid syndrome	0	1 (1.1)	0	0	1 (1.1)		
Arthritis	1 (1.1)	0	0	0	1 (1.1)		
Enterocolitis	0	0	1 (1.1)	0	1 (1.1)		
Interstitial lung disease	0	1 (1.1)	0	0	1 (1.1)		

ted/autoimmune disorders (SMQ) with broad scope minus 4 preferred terms MAEs include preferred terms from the Immune-media (Neuropathy peripheral, Peripheral motor neuropathy, Peripheral sensorimotor neuropathy, and Peripheral sensory neuropathy). AE grades are based on the NCI CTCAE, v5.0. At each preferred term, multiple occurrences of AEs within a patient were counted only once NCI CTCAE, National Cancer Institute Common Terminology Criteria for Adverse Events; SMQ, Standardised MedDRA Queries.