

# Best of WCLC 2023: Small Cell Lung Cancer

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# **Agenda**

#### **Advancing Immunotherapy in ES-SCLC**

- OA01.03: Ph III Benmelstobart + Anlotinib (ETER701)
- OA01.04: 5-year OS of pts treated with atezolizumab in IMpower133
   Novel therapies in 2<sup>nd</sup> line SCLC
- OA01.05: Ph I of DLL3/CD3 T cell engager BI764532 in pts with DLL3+ tumors
- OA05.05: Ph I/II Ifinatamab deruxtecan (I-Dxd) in pts with refractory SCLC





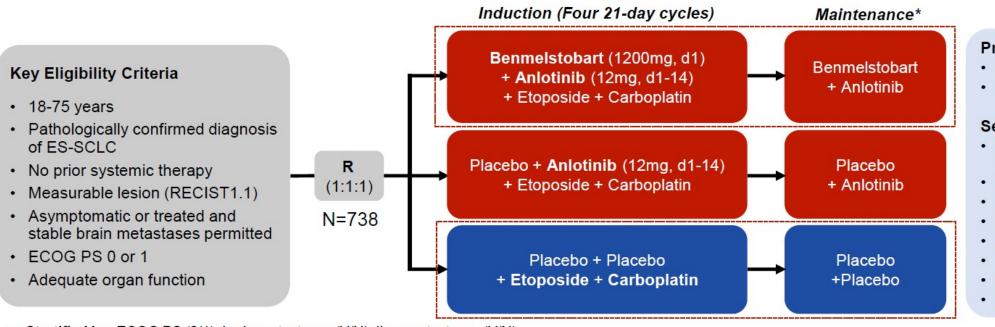
# Benmelstobart with Anlotinib plus Chemotherapy as First-line Therapy for ES-SCLC: A Randomized, Double-blind, Phase III Trial (ETER701)

Ying Cheng<sup>1</sup>, R. Yang<sup>2</sup>, J. Chen<sup>3</sup>, W. Zhang<sup>4</sup>, C. Xie<sup>5</sup>, Q. Hu<sup>6</sup>, N. Zhou<sup>7</sup>, C. Huang<sup>8</sup>, S. Wei<sup>9</sup>, H. Sun<sup>10</sup>, X. Li<sup>11</sup>, Y. Yu<sup>12</sup>, J. Lai<sup>13</sup>, H. Yang<sup>14</sup>, H. Fang<sup>15</sup>, H. Chen<sup>16</sup>, P. Zhang<sup>17</sup>, K. Gu<sup>18</sup>, Q. Wang<sup>19</sup>, J. Shi<sup>20</sup>, T. Yi<sup>21</sup>, X. Xu<sup>22</sup>, X. Ye<sup>23</sup>, D. Wang<sup>24</sup>, C. Xie<sup>25</sup>, C. Liu<sup>26</sup>, Y. Zheng<sup>27</sup>, D. Lin<sup>28</sup>, W. Zhuang<sup>29</sup>, P. Lu<sup>30</sup>, G. Yu<sup>31</sup>, J. Li<sup>32</sup>, Y. Gu<sup>33</sup>, B. Li<sup>34</sup>, R. Wu<sup>35</sup>, O. Jiang<sup>36</sup>, Z. Wang<sup>37</sup>, G. Wu<sup>38</sup>, H. Lin<sup>39</sup>, D. Zhong<sup>40</sup>, Y. Xu<sup>41</sup>, Y. Shu<sup>42</sup>, D. Wu<sup>43</sup>, X. Chen<sup>44</sup>, J. Wang<sup>45</sup>, M. Wang<sup>46</sup>

1 Gancer Hospital, Changchun, 2 Yunnan Cancer Hospital, Kunming, 3 Hunan Cancer Hospital, Changsha, 4 The First Affiliated Hospital of Nanchang University, Nanchang, 5 Shandong Cancer Hospital and Institute, Jinan, 6 The Affiliated Hospital of Inner Mongolia University, Hohhot, 7 Sun Yat-sen University Cancer Center, Guangzhou, 8 Tianjin Medical University Cancer Institute and Hospital, Tianjin, 9 Gansu Provincial Cancer Hospital, Lanzhou, 10 The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, 11 The First Affiliated Hospital of Zhengzhou University, Zhengzhou, 12 Harbin Medical University Cancer Hospital, Harbin, 13 Fujian Medical University Union Hospital, Fuzhou, 14 Xiangya Hospital Central South University, Changsha, 15 Anhui Chest Hospital, Hefei, 10 Hospital, Hefei, 10 Hospital, Hefei, 10 Hospital, Linyi, 21 Xiangyang Central Hospital, Xiangyang, 22 Northern Jiangsu People's Hospital, Yangzhou, 23 Guizhou Provincial People's Hospital, Linyi, 24 Xiangyang Central Hospital, Kining, 24 Hospital, Hengshui, 25 Zhongnan Hospital of Wuhan University, Wuhan, 26 Cancer Hospital of Xinxiang Medical University, Urumqi, 27 The First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, 28 Jiangmen Central Hospital, Jiangmen, 26 Fujian Cancer Hospital, Fuzhou, 30 The First Affiliated Hospital of Xinxiang Medical College, Xinxiang, 31 Weifang People's Hospital, Weifang, 32 Qinghai University Affiliated Hospital, Kining, 34 Geijang, Neijiang, Neijia

## **Study Design**

A multicenter, placebo-controlled, randomized phase III trial in first-line ES-SCLC.



#### **Primary Endpoints**

- OS (IRC, RECIST1.1)
- PFS (IRC, RECIST1.1)

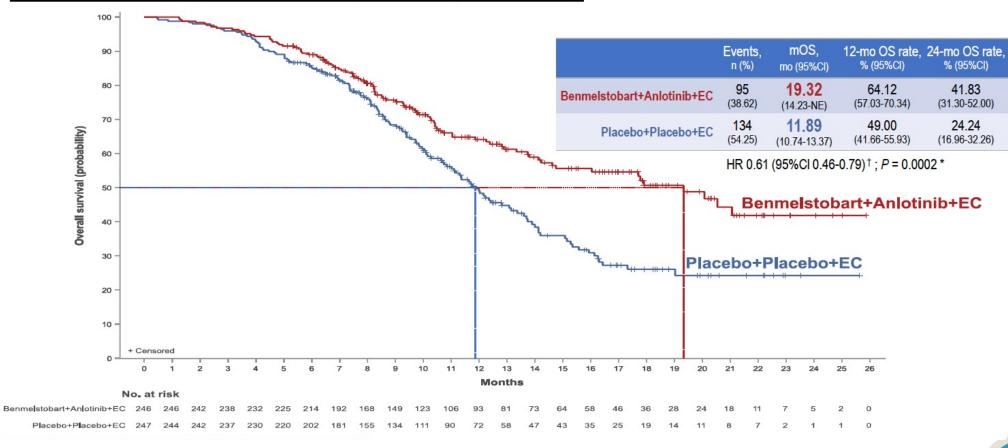
#### Secondary Endpoints

- PFS (investigator, RECIST1.1 and iRECIST)
- ORR
- DCR
- · DOR
- 6-mo/12-mo PFS rate
- 12-mo/18-mo OS rate
- · Quality of Life
- · Safety and tolerability

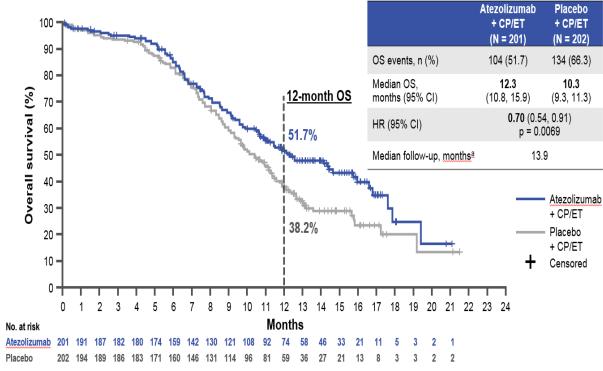
> Stratified by: ECOG PS (0/1); brain metastases (Y/N); liver metastases (Y/N).



## **Primary Endpoint: OS (ITT Population)**



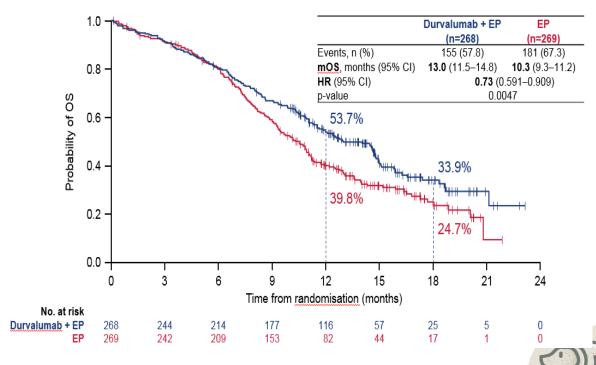
#### IMpower133 carboplatin/etoposide +/- atezolizumab



Horn L et al. NEJM. 2018 Dec 6; 379(23):2220-2229

#### CASPIAN cis/carboplatin/etoposide +/- durvalumab

#### **Overall Survival (Primary Endpoint)**



Paz-Aes L et al. Lancet. 2019 Nov 23;394(10212):1929-1939

Saftey Summary	Benmelstobart + Anlotinib + EC (N=246)		Placebo + Placebo + EC (N=246)*	
	Any grade	Grade ≥ 3	Any grade	Grade ≥ 3
Any TRAEs, n (%)	246 (100.0)	229 (93.1)	245 (99.6)	214 (87.0)
Leading to any dose reduction or interruption	124 (50.4)	83 (33.7)	57 (23.2)	39 (15.9)
Leading to any discontinuation	21 (8.5)	14 (5.7)	7 (2.8)	5 (2.0)
Leading to death	11 (4.5)	11 (4.5)	4 (1.6)	4 (1.6)
Any irAEs, n (%)	105 (42.7)	41 (16.7)	47 (19.1)	17 (6.9)
Leading to any dose reduction	16 (6.5)	13 (5.3)	5 (2.0)	3 (1.2)
Leading to any discontinuation	20 (8.1)	15 (6.1)	4 (1.6)	3 (1.2)
Leading to death	5 (2.0)	5 (2.0)	1 (0.4)	1 (0.4)
Any SAEs, n (%)	135 (54.9)	115 (46.7)	101 (41.1)	84 (34.1)
Benmelstobart-related ≥ Grade 3 SAEs	1	51 (20.7)	1	22 (8.9)
Anlotinib-related ≥ Grade 3 SAEs	1	56 (22.8)	1	33 (13.4)
Chemotherapy-related ≥ Grade 3 SAEs	1	92 (37.4)	1	63 (25.6)

## Conclusions

- Benmelstobar + Anlotinib + EC improved PFS and OS as firstline therapy in ES-SCLC patients compared to Placebo + EC
- Tolerable and manageable safety profile
- Addition of anti-angiogenic agent to immunochemotherapy in the first-line treatment of ES-SCLC resulted in historically longest PFS and OS in Chinese population
- Would be good to test in other patient populations
- How does Benmelstobar + Anlotinib + EC compare to Benmelstobar + EC?

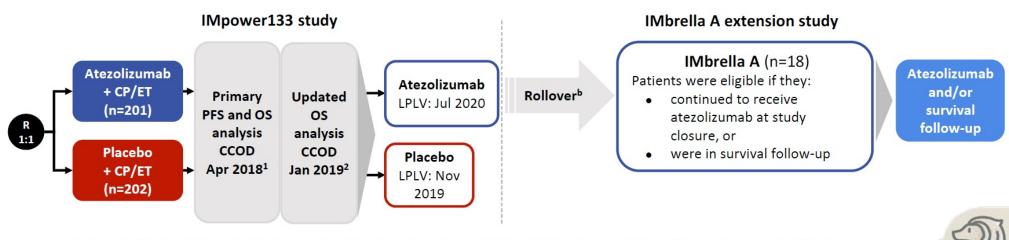
# Five-year survival in patients with ES-SCLC treated with atezolizumab in IMpower133: IMbrella A extension study results

Stephen V. Liu, <sup>1</sup> Rafal Dziadziuszko, <sup>2</sup> Shunichi Sugawara, <sup>3</sup> Steven Kao, <sup>4</sup> Maximilian Hochmair, <sup>5</sup> Florian Huemer, <sup>6</sup> Gilberto de Castro, Junior, <sup>7</sup> Libor Havel, <sup>8</sup> Reyes Bernabé Caro, <sup>9</sup> György Losonczy, <sup>10</sup> Jong-Seok Lee, <sup>11</sup> Dariusz Kowalski, <sup>12</sup> Zoran Andric, <sup>13</sup> Raffaele Califano, <sup>14</sup> Andrea Veatch, <sup>15</sup> Gregory Gerstner, <sup>16</sup> Marta Batus, <sup>17</sup> Stefanie Morris, <sup>18</sup> Monika Kaul, <sup>19</sup> Madeena Siddiqui, <sup>19</sup> Huafei Li, <sup>20</sup> Wei Zhang, <sup>19</sup> Barzin Nabet, <sup>19</sup> Martin Reck<sup>21</sup>

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## IMbrella A: an extension study of IMpower133<sup>a</sup>

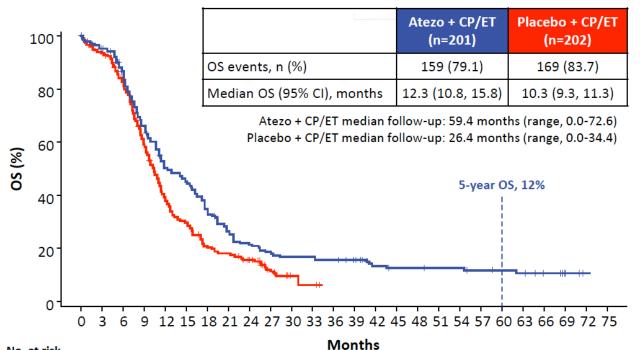
- IMbrella A is an open-label, non-randomised, multicentre extension and long-term observational study
- Patients in the IMpower133 control arm were not eligible for enrollment in IMbrella A
- Rollover from IMpower133 to IMbrella A for patients treated with atezolizumab in IMpower133 occurred between December 2019 and July 2020
- We report a merged analysis from IMpower133 and IMbrella A with a CCOD of 16 March 2023



Atezolizumab, 1200 mg IV, Day 1; CP, AUC 5 mg/mL/min IV, Day 1; ET, 100 mg/m² IV, Days 1–3. CCOD, clinical cutoff date; LPLV, last patient, last visit. a IMbrella A (NCT03148418) allowed rollover from other Roche/Genentech-sponsored atezolizumab trials; only results from patients who rolled over from IMpower133 are reported. b Eight patients who were alive did not rollover to IMbrella A (censored). 1. Horn L, et al. N Engl J Med 2018;379:2220-92; 2. Liu SV, et al. J Clin Oncol 2021; 39:619-30.



## IMpower133 and IMbrella A: long-term OS



OS rate (95% CI), %	IMpower133 and IMbrella A Atezo + CP/ET (n=201)	IMpower133 only Placebo + CP/ET (n=202)
1-year	52% (45-59)	39% (32-46)
2-year	22% (16-28)	16% (11-21)
3-year	16% (11-21)	NEª
4-year	13% (8-18)	NEª
5-year	12% (7-17)	NEª

No. at risk

Atezo + CP/ET 201 182 159 121 93 81 61 48 38 33 30 30 28 26 17 15 15 14 14 12 11 10 8 7 2

Placebo + CP/ET 202 186 160 114 74 55 39 34 25 11 3 2



## Conclusions

- First report of 5-year survival outcomes for patients who received first-line cancer immunotherapy with chemotherapy for ES-SCLC
- The OS data compare favorably with historical 5-year OS rates
- Long-term safety profile of atezolizumab + CP/ET in IMbrella A is encouraging
  - Late onset immune-mediated toxicities were rare and manageable
- Outcomes demonstrate the potential for durable survival benefit up to 5 years with atezolizumab + CP/ET
- What factors predict long term clinical benefit with immunotherapy?



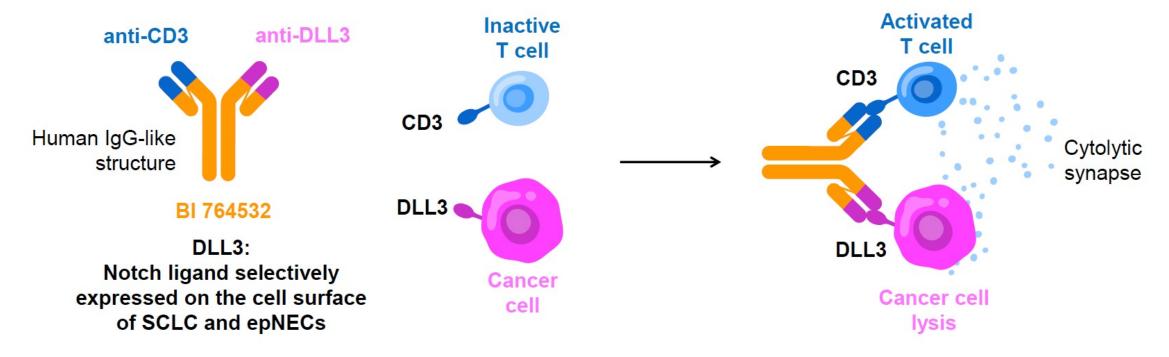
# Phase I dose escalation trial of the DLL3/CD3 IgG-like T cell engager BI 764532 in patients with DLL3+ tumors: focus on SCLC and LCNEC

Martin Wermke<sup>1</sup>, Yasutoshi Kuboki<sup>2</sup>, Enriqueta Felip<sup>3</sup>, Olatunji B. Alese<sup>4</sup>, Daniel Morgensztern<sup>5</sup>, Cyrus Sayehli<sup>6</sup>, Edurne Arriola<sup>7</sup>, Miguel F. Sanmamed<sup>8</sup>, Zohra Oum' Hamed<sup>9</sup>, Eric Song<sup>10</sup>, Matus Studeny<sup>11</sup>, Valentina Gambardella<sup>12</sup>

<sup>1</sup>TU Dresden University of Technology, NCT/UCC Early Clinical Trial Unit, Dresden, Germany; <sup>2</sup>Department of Experimental Therapeutics, National Cancer Center Hospital East, Kashiwa, Japan; <sup>3</sup>Department of Medical Oncology, Vall d'Hebron University Hospital & Vall d'Hebron Institute of Oncology, Barcelona, Spain; <sup>4</sup>Department of Hematology and Medical Oncology, Winship Cancer Institute, Emory University, Atlanta, GA, USA; <sup>5</sup>Washington University School of Medicine, St. Louis, MO, USA; <sup>6</sup>Interdisciplinary Study Center with ECTU, Medical Clinic and Polyclinic II of the University Hospital, Würzburg, Germany; <sup>7</sup>Department of Medical Oncology, Hospital del Mar-CIBERONC (Centro de Investigación Biomédica en Red de Oncología), Barcelona, Spain; Cancer Research Program, IMIM (Institut Hospital del Mar d'Investigacions Mèdiques), Barcelona, Spain; <sup>8</sup>Department of Immunology and Oncology, Clínica Universidad de Navarra, Pamplona, Spain; <sup>9</sup>Boehringer Ingelheim France S.A.S., Reims, France; <sup>10</sup>Boehringer Ingelheim (China) Investment Co., Shanghai, China; <sup>11</sup>Boehringer Ingelheim International GmbH, Ingelheim, Germany; <sup>12</sup>Department of Medical Oncology, Hospital Clínico Universitario, INCLIVA Biomedical Research Institute, University of Valencia, Valencia, Spain



### BI 764532: a novel DLL3-targeting T cell engager



- BI 764532 redirects the patient's own T cells to lyse DLL3-expressing cancer cells
- Potent preclinical antitumor activity against DLL3-positive cells and xenograft models<sup>1</sup>

### Inclusion criteria and patient baseline characteristics

#### Key inclusion criteria

Advanced SCLC, LCNEC, or epNEC

DLL3-positive (archived tissue or in-study biopsy) according to central\* review

Failed/ineligible for available standard therapies (≥1 line of platinum-based chemotherapy)

Adequate liver, bone marrow, and renal function

ECOG PS 0/1

\*Ventana DLL3 (SP347) assay at the Roche CDx CAP/CLIA laboratory

As of March 26 2023	N=107 <sup>†</sup>
Median age, years (range)	60.0 (32–79)
Male, n (%)	61 (57)
Prior lines of therapy, n (%)	
1–2	72 (67)
≥3	33 (31)
ECOG PS 0/1, n (%)	28 (26)/78 (73)
Prior PD-1/PD-L1, n (%)	52 (49)
Brain/liver metastases, n (%)	41 (38)/60 (56)

<sup>†</sup>Safety population: ≥1 dose of BI 764532











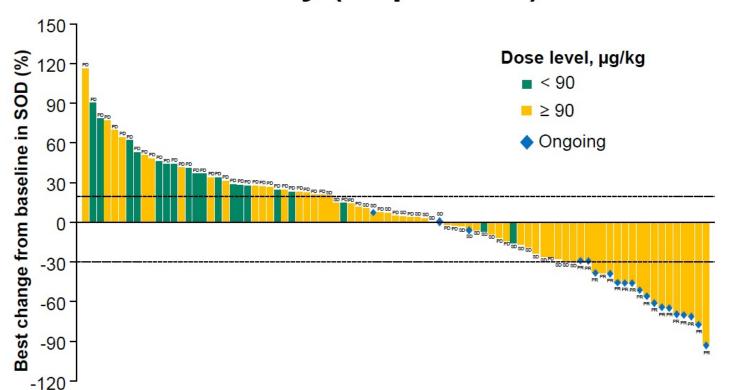
### Most common all-cause AEs in pts with SCLC and LCNEC (>15% patients)

	Patients (n=66)*		
AE, n (%)	All grade	Grade 1–2	Grade 3–5
Number of pts with ≥1 AE	66 (100)	31 (47)	35 (53)
CRS	32 (48)	31 (47)	1 (2)
Asthenia	21 (32)	19 (29)	2 (3)
Dysgeusia	18 (27)	18 (27)	0
Constipation	18 (27)	18 (27)	0
Lymphocyte count decreased	16 (24)	4 (6)	12 (18)
Nausea	15 (23)	14 (21)	1 (2)
Fatigue	13 (20)	12 (18)	1 (2)
Malignant neoplasm progression <sup>†</sup>	13 (20)	0	11 (17)
Decreased appetite	12 (18)	10 (15)	2 (3)
AST increased	12 (18)	11 (17)	1 (2)
Headache	12 (18)	12 (18)	0
Pyrexia	11 (17)	11 (17)	0

- CRS managed with supportive care, corticosteroids, and/or anti-IL-6R antibodies
- Patients with AEs/TRAEs leading to discontinuation: 15 / 6%



### Overall efficacy (all patients)



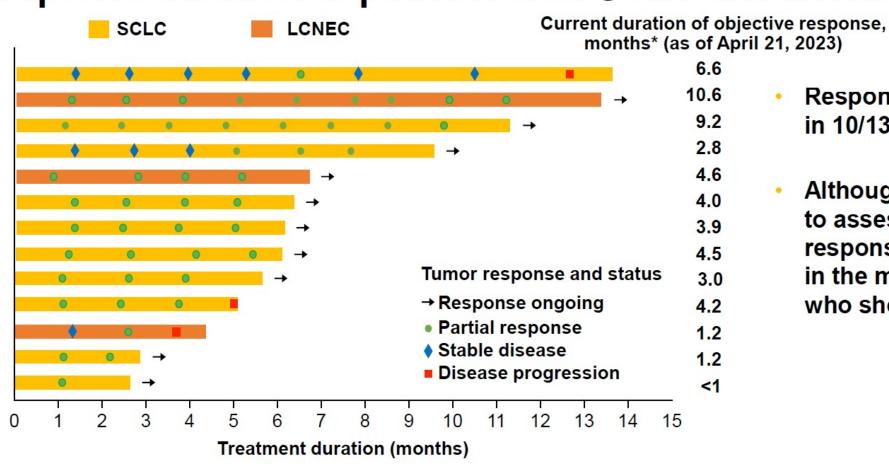
n, (%)	All tumors (n=99)*	SCLC (n=54)*	LCNEC (n=8)*
PR	18 (18)	10 (19)	3 (38)
SD	23 (23)	11 (20)	3 (38)
PD	45 (45)	23 (43)	2 (25)
DCR	41 (41)	21 (39)	6 (75)
NE†	13 (13)	10 (19)	0
*Efficacy	nonulation: >1 no	ct haceline tur	mor accecement

\*Efficacy population: ≥1 post-baseline tumor assessment or permanently discontinued prior to tumor assessment; responses evaluated per RECIST v1.1 criteria; †Discontinued prior to tumor assessment

Efficacy, i.e. tumor shrinkage, observed at doses ≥ 90 μg/kg



## Response duration in patients with SCLC and LCNEC



- Responses are ongoing in 10/13 responders
- Although it is too early to assess median DoR, responses are ongoing in the majority of those who showed a response



## Conclusions

- Safety profile of BI 764532 is acceptable and manageable at clinically efficacious dose levels in patients with SCLC and LCNEC
- CRS in 48% of patients with SCLC/LCNEC; mostly grade 1–2 and managed with standard supportive care
- Promising response rate in patients with SCLC/LCNEC (at doses ≥ 90 μg/kg): 26% and 60%
- Potential for durable responses
- Another promising DLL-3 targeting T-cell engager
  - Tarlatamab

# **Trials Targeting DLL3: Efficacy**

•				
	Topotecan	RovaT	Tarlatamab	HPN328
n	151 All 2 <sup>nd</sup> line,	287	106 2 <sup>nd</sup> line 28%, 3rd line 42%,	11 56% 2 <sup>nd</sup> and 3rd
	Refractory excluded	53%	≥4th 30%	lines
ORR DCR	21.9 % ND	14.3% 35.3%	24/106 (23%) (2 CR) 52%	27%
Median DOR	6.4 mo	3.5 mo	13 mo	ND
Median PFS	ND	3 mo	3.7 mo	ND
Median OS	8.7 mo	6.3 mo	13.2 mo	ND

Eckardt JR, et al. J Clin Oncol 2007 (topotecan); Blackhall F, J Thorac Oncol 2021 (RovaT); Borghaei H, et al. WCLC 2022 abstract OA12.05, Paz-Ares L, et al. Clin Oncol 2023 (tarlatamab); Johnson M, et al. ASCO 2022 abstract 8566 (HPN328)

# Ifinatamab deruxtecan (I-DXd; DS-7300) in patients with refractory SCLC: a subgroup analysis of a phase 1/2 study

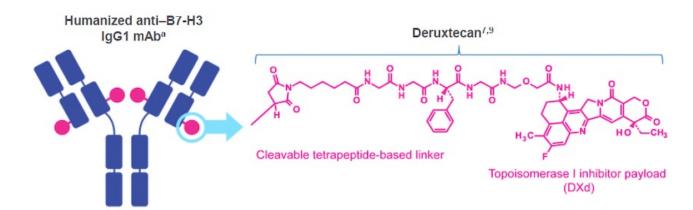
Melissa Johnson,<sup>1</sup> Mark Awad,<sup>2</sup> Takafumi Koyama,<sup>3</sup> Martin Gutierrez,<sup>4</sup> Gerald S Falchook,<sup>5</sup> Sarina A Piha-Paul,<sup>6</sup> Toshihiko Doi,<sup>7</sup> Taroh Satoh,<sup>8</sup> Naoko Okamoto,<sup>9</sup> Jasmeet Singh,<sup>9</sup> Naoto Yoshizuka,<sup>9</sup> Meng Qian,<sup>9</sup> Xiaozhong Qian,<sup>9</sup> Brittany P Tran,<sup>9</sup> Ololade Dosunmu,<sup>1</sup> Rakesh Mucha,<sup>1</sup> Hillarie Windish,<sup>1</sup> Manish R Patel<sup>1,10</sup>

<sup>1</sup>Sarah Cannon Research Institute, Nashville, TN, USA; <sup>2</sup>Dana-Farber Cancer Institute, Boston, MA, USA; <sup>3</sup>National Cancer Center Hospital, Tokyo, Japan; <sup>4</sup>John Theurer Cancer Center, Hackensack University Medical Center, Hackensack, NJ, USA; <sup>5</sup>Sarah Cannon Research Institute at HealthONE, Denver, CO, USA; <sup>6</sup>University of Texas MD Anderson Cancer Center, Houston, TX, USA; <sup>7</sup>National Cancer Center Hospital East, Chiba, Japan; <sup>8</sup>Osaka University Hospital, Osaka, Japan; <sup>9</sup>Daiichi Sankyo, Inc., Basking Ridge, NJ, USA; <sup>10</sup>Florida Cancer Specialists and Research Institute, Sarasota, FL, USA



#### Ifinatamab Deruxtecan (I-DXd; DS-7300) Was Designed With 7 Key Attributes

- B7-H3 is overexpressed in a wide range of cancer types and is associated with disease progression and lower survival 1-5
- I-DXd is a B7-H3 (CD276)-directed ADC composed of 3 parts:<sup>6-9,11</sup>
  - A humanized anti–B7-H3 IgG1 monoclonal antibody<sup>9,11</sup>
  - A topoisomerase I inhibitor payload (an exatecan derivative, DXd)
  - A tetrapeptide-based cleavable linker that covalently bonds the other 2 components



Payload mechanism of action:
topoisomerase I inhibitor<sup>7,9,11,b</sup>

High potency of payload<sup>9,11,b</sup>

Optimized drug-to-antibody ratio ≈ 4<sup>6–8,10,b</sup>

Payload with short systemic half-life<sup>9,11,b,c</sup>

Stable linker-payload<sup>9,11,b</sup>

Tumor-selective cleavable linker<sup>9,11,b</sup>

Bystander antitumor effect<sup>7,10,11,b</sup>

Image is for illustrative purposes only, actual drug positions may vary. The clinical relevance of these features is under investigation. Sased on animal data.

ADC, antibody-drug conjugate; B7-H3, B7 homolog 3; CD276, cluster of differentiation 276; DXd, deruxtecan; IgG1, immunoglobulin G1; mAb, monoclonal antibody.

1. Yamato M, et al. AACR-NCI-EORTC 2020. Abstract 28.2. Dong P, et al. Front Oncol. 2018;8:264. 3. Picarda E, et al. Clin Cancer Res. 2016;22(14):3425–3431. 4. Bendell JC, et al. J Clin Oncol. 2020;39(15 suppl 1). Abstract TPS3646.

5. Kontos F, et al. Clin Cancer Res. 2021;27(5):1227–1235. 6. Okajima D, et al. Mol Cancer Ther. 2021;20(12):2329–2340. 7. Nakada T, et al. Chem Pharm Bull (Tokyo). 2019;67(3):173–185. 8. Ogitani Y, et al. Clin Cancer Res. 2016;22(20):5097–5108.

9. Yamato M, et al. Mol Cancer Ther. 2022;21(4):635–646.10. Ogitani Y, et al. Cancer Sci. 2016;107(7):1039–1046. 11. Daiichi Sankvo. Data on file.



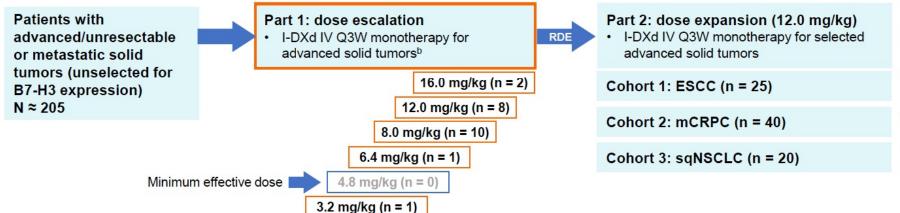
#### DS7300-A-J101 Study Design (NCT04145622)

- I-DXd is generally well tolerated with early signs of antitumor activity<sup>1,2</sup>
- We present a subgroup analysis of patients with SCLC (N = 22<sup>a</sup>) from part 1 treated with I-DXd at all doses studied
  - Patients dosed at ≥6.4 mg/kg (n = 21) were evaluable for efficacy

1.6 mg/kg (n = 0)

 $0.8 \, \text{mg/kg} \, (n = 0)$ 

 Baseline tumor biopsies were retrospectively examined for B7-H3 protein level by IHC and used for correlative analysis in biomarker-evaluable patients dosed at ≥6.4 mg/kg (n = 17)



#### Key primary endpoints

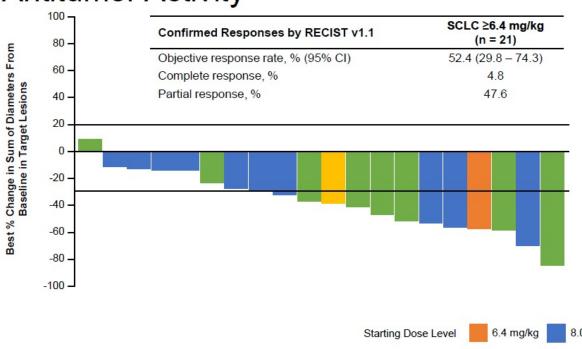
- Dose escalation: DLTs, SAEs, TEAEs, AESI
- Dose expansion: ORR, DOR, DCR, PFS, OS

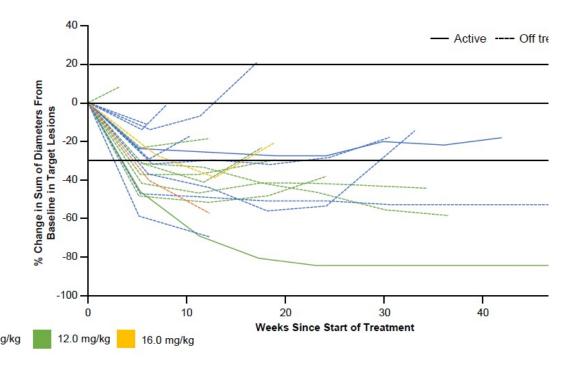
#### **Key secondary endpoints**

- PK
- Immunogenicity



#### Antitumor Activity<sup>a</sup>





- · Nearly all patients with post-baseline scans had a reduction in target lesions
- Median time to response was 1.2 months (95% CI, 1.2 1.4)

- Median duration of response was 5.9 months (95% CI, 2.8 7.5);
   two patients remain on treatment
- Median follow-up was 11.7 months (95% CI, 4.63 12.88)



#### Most Common (≥10%) All-Grade TEAEs Regardless of Causality

System Organ Class Preferred Term, n (%)	SCLC (	N = 22)
system Organ Class Freierreu Term, II (%)	Any Grade	Grade ≥3
Nausea	13 (59.1)	1 (4.5)
Fatigue	11 (50.0)	0 (0.0)
Anemia	6 (27.3)	1 (4.5)
Vomiting	6 (27.3)	0 (0.0)
Decreased appetite	5 (22.7)	1 (4.5)
Pyrexia	4 (18.2)	0 (0.0)
Constipation	4 (18.2)	1 (4.5)
IRR	3 (13.6)	0 (0.0)
Diarrhea	3 (13.6)	0 (0.0)
Dehydration	3 (13.6)	0 (0.0)
Dyspnea	3 (13.6)	0 (0.0)
Platelet count decreased	3 (13.6)	0 (0.0)
Arthralgia	3 (13.6)	0 (0.0)
Hyponatremia	3 (13.6)	0 (0.0)

- A total of three patients (13.6%) experienced an ILD or pneumonitis event (two Gr 1, one Gr 2)
  - All events were adjudicated by the ILD adjudication committee, of which one was adjudicated as drug-related ILD (Gr 2, 8.0 mg/kg) and discontinued treatment per protocol<sup>a</sup>
- · Prophylactic premedication for nausea, vomiting, and IRR were not permitted for primary prophylaxis during cycle 1 of dose escalation



## Conclusions

- I-DXd is a novel B7-H3-directed ADC that demonstrates robust and durable efficacy in patients with relapsed SCLC
- Generally well tolerated
- No apparent trend of correlation was observed between B7-H3 level and clinical efficacy parameters in the SCLC cohort
- Data support further clinical development of I-DXd, including a phase 2 study of patients with ES-SCLC following 1-3 prior lines of therapy (ongoing IDeate-1; NCT05280470)
- How will this ADC compare to others being evaluated in relapsed SCLC?

# Other ADCs in SCLC

- IMMU-132 (Sacituzumab govitecan)
  - Anti-TROP-2 antibody linked with SN-38 (active metabolite of irinotecan)
  - TROP-2 high expression in 18% of high-grade NE tumors (incl 10% SCLC)
    - Associated with lower lung cancer-specific survival
  - 53 patients: 60% pts showed tumor shrinkage from baseline, ORR 14%
    - DOR 5.7 mos, PFS 3.7 mos, OS 7.5 mos, CBR 34%
  - TROPiCS-03 ongoing phase II trial

### ABBV-011

- Seizure-related homolog protein (SEZ6)-targeting ADC, expressed in majority of SCLC
- 98 patients: ORR=19%, CBR=69% (ORR=25% in SEZ6-positive patients)
- ABBV-706 is next generation SEZ6-targeting ADC, phase I study underway



# **Overall Conclusions**

- First line standard of care for ES-SCLC pts remains platinum/etoposide + PD-L1 inhibitor
  - Increased rate of 5-year responders with immunotherapy
  - Potential for improved efficacy with addition of antivascular agents
- Novel and emerging agents in relapsed SCLC patients
  - DLL-3 targeting T-cell engagers (BI 764532, Tarlatamab)
  - ADCs (I-Dxd, Sacituzumab govitecan, ABBV-011)

