Passion for Innovation.
Compassion for Patients.™



# FY2023 Q3 Financial Results Presentation

# DAIICHI SANKYO CO., LTD.

Koji Ogawa
Executive Officer, CFO
January 31, 2024

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## **Agenda**

1 FY2023 Q3 Financial Results

- 2 FY2023 Forecast/ Annual Dividend
- 3 Business Update
- 4 R&D Update
- 5 Appendix



## **Overview of FY2023 Q3 Results**



(Bn JPY)

		FY2022 Q3 YTD Results	FY2023 Q3 YTD Results	YoY
Revenue	Revenue		1,173.3	+23.7% 225.0
Cost of sales*		257.4	310.3	52.9
SG&A expenses	*	330.8	433.9	103.1
R&D expenses*	:	241.7	256.8	15.1
Core operating	Core operating profit *		172.2	+45.5% 53.9
Temporary inco	me*	11.0	26.9	15.8
Temporary expe	enses*	2.2	4.6	2.3
Operating profi	it	127.1	194.6	+53.0%
Profit before ta	X	127.5	199.8	72.4
Profit attributable to owners of the Company		86.7	163.6	+88.7% 76.9
Currency	USD/JPY	136.53	143.29	+6.76
Rate	EUR/JPY	140.60	155.28	+14.68

<sup>\*</sup>As an indicator of ordinary profitability, "core operating profit" which excludes temporary income and expenses from operating income is disclosed. Income and expenses related to: sale of fixed assets, restructuring (excluding the sales of pipeline and launched products), impairment, loss compensation, reconciliation, and other non-temporary and material gains and losses are included in the "temporary income and expenses".

Temporary income and expenses are excluded from results and forecast for cost of sales, SG&A expenses and R&D expenses shown in the list above.

## Revenue



## Increased by 225.0 Bn JPY (Increased by 185.0 Bn JPY excl. forex impact)

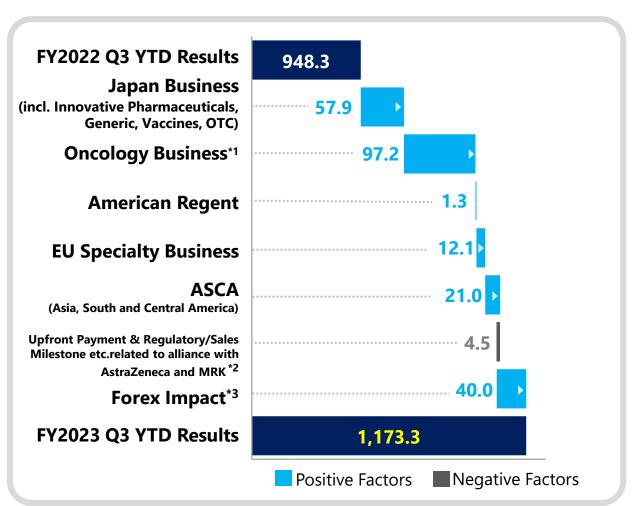
**Positive Factors** 

Upfront Payment related to +5.7

alliance with MRK

(Bn JPY)

**Negative Factors** 



Lixiana +1 Enhertu + Tarlige + Vacciness Business +1	+9.2 +6.3			
Oncology Business Unit*1  Enhertu +9  Vanflyta +				
American Regent Unit  Venofer + GE injectables +		Injectafer		-5.6
	+9.4 +6.0	Olmesartan		-1.7
ASCA (Asia, South and Central Antenne Enhertu +1		Business Unit		
Upfront Payment & Regulatory/Sales Milest	tone etc. r	elated to alliance	with AstraZeneca and M	RK*2

<sup>\*1</sup> Revenue for Daiichi Sankyo, Inc. and Daiichi Sankyo Europe's oncology products

<sup>\*2</sup> Merck & Co., Inc., Rahway, NJ, USA

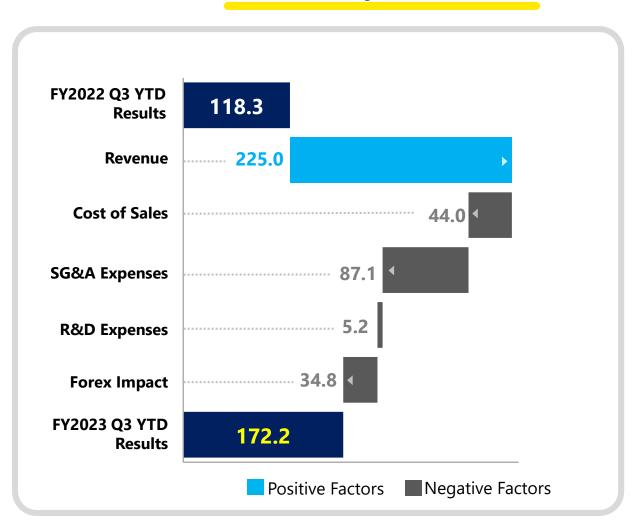
<sup>\*3</sup> Forex impact USD: +16.5, EUR: +19.1, ASCA: +4.4

# **Core Operating Profit**



(Bn JPY)

## **Increased by 53.9 Bn JPY** (Increased by 48.6 Bn JPY excl. forex impact)



Revenue +225.0
incl. forex impact of +40.0

Cost of Sales +44.0

Increase in cost of sales due to the revenue increase

SG&A Expenses +87.1

Increase in expenses related to Enhertu due to an increase in profit share of gross profit with AstraZeneca

R&D Expenses +5.2
Increase in 5DXd ADCs\* R&D investments

Forex Impact +34.8 (Profit Decreased)

Cost of Sales +8.9

SG&A Expenses +16.0

R&D Expenses +9.9

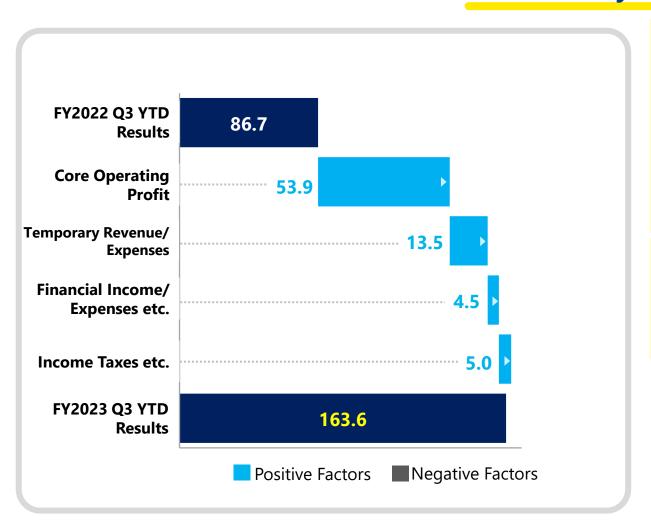
<sup>\*</sup>ENHERTU®: trastuzumab deruxtecan (International Nonproprietary Name: INN), T-DXd, DS-8201 (HER2-directed ADC), **Dato-DXd**: datopotamab deruxtecan (INN), DS-1062 (TROP2-directed ADC), **HER3-DXd**: patritumab deruxtecan (INN), U3-1402 (HER3-directed ADC), **I-DXd**: ifinatamab deruxtecan (INN), DS-7300 (B7-H3-directed ADC), **R-DXd**: raludotatug deruxtecan, DS-6000 (CDH6-directed ADC)

# **Profit Attributable to Owners of the Company**



## **Increased by 76.9 Bn JPY**

(Bn JPY)



#### Temporary Income/Expenses +13.5 (Profit Increased)

	FY2022 Q3 YTD Results	FY2023 Q3 YTD Results	YoY
Temporary Income	11.0 <sup>*1</sup>	26.9 <sup>*2</sup>	+15.8
Temporary Expenses	2.2	4.6	+2.3

- \*1 Gains related to sales of subsidiary of Daiichi Sankyo (China) (6.0) Gains on reversal related to closure of Plexxikon (3.3)
- \*2 Lump sum payment received from Novartis following the settlement of Plexxikon's patent infringement lawsuit (26.1)

## Financial Income/Expenses etc. +4.5 (Profit Increased)

- Increase in interest income +9.6
- Improvement in investment securities +5.3 valuation gains/losses
- Deterioration in forex gains/losses -9.3

#### Income Taxes etc. -5.0 (Profit Increased)

	FY2022 Q3 YTD Results	FY2023 Q3 YTD Results	YoY
<b>Profit before Tax</b>	127.5	199.8	+72.4
Income Taxes etc.	40.8	35.7	-5.0
Tax rate	32.0%	17.9%	-14.1%

# **Revenue: Business Units (incl. Forex Impact)**



(Bn JPY)

		FY2022 Q3 YTD Results	FY2023 Q3 YTD Results	YoY
Japan Business		356.4	412.3	+55.9
Daiichi Sankyo Healthcare		54.8	59.9	+5.1
<b>Oncolgy Business</b>		124.7	233.0	+108.2
Enhertu		122.1	227.5	+105.4
Turalio	Turalio		4.1	+1.4
American Regent		143.5	152.0	+8.5
Injectafer		41.8	38.0	-3.8
Venofer	nofer		45.2	+7.0
GE injectables	ctables		59.1	+3.5
<b>EU Specialty Business</b>		112.5	137.6	+25.1
Lixiana	iana		107.3	+19.6
Nilemdo/Nustendi	lemdo/Nustendi		12.1	+7.2
Olmesartan		14.8	14.5	-0.3
ASCA (Asia, South and Centra	l America) Business	106.4	131.8	+25.4
Currency	USD/JPY	136.53	143.29	+6.76
Rate	EUR/JPY	140.60	155.28	+14.68

# **Revenue: Major Products in Japan**



(Bn JPY)

		FY2022 Q3 YTD Results	FY2023 Q3 YTD Results	YoY
Lixiana	anticoagulant	79.5	89.5	+10.0
Pralia	treatment for osteoporosis/ inhibitor of the progression of bone erosion associated with rheumatoid arthritis	30.4	33.3	+2.9
Tarlige	pain treatment	29.1	35.4	+6.3
Vimpat	anti-epileptic agent	16.7	20.0	+3.2
Ranmark	treatment for bone complications caused by bone metastases from tumors	15.6	15.8	+0.3
Tenelia	type 2 diabetes mellitus treatment	17.0	16.1	-0.9
Enhertu	anti-cancer agent (HER2-directed antibody drug conjugate)	8.5	17.7	+9.2
Efient	antiplatelet agent	15.7	19.7	+3.9
Canalia	type 2 diabetes mellitus treatment	12.5	12.5	-0.1
Loxonin	anti-inflammatory analgesic	14.7	12.5	-2.3
Emgality	prophylaxis of migraine attacks	4.7	5.7	+1.0



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## **Revision to the forecast**



(Bn JPY)

			(11111)
	FY2023	FY2023	vs. Forecast
	Forecast	Forecast	as of Oct.
	(As of Oct.)	(As of Jan.)	as of Oct.
Revenue	1,550.0	1,580.0	+30.0
Cost of sales *	410.0	413.0	+3.0
SG&A expenses *	610.0	619.0	+9.0
R&D expenses *	375.0	368.0	-7.0
Core operating profit*	155.0	180.0	+25.0
Temporary income*	-	27.0	+27.0
Temporary expenses*	5.0	7.0	+2.0
Operating profit	150.0	200.0	+50.0
Profit before tax	160.0	205.0	+45.0
Profit attributable to owners of the Company	135.0	175.0	+40.0

Currency	USD/JPY	143.00	143.72	+0.72
Rate	EUR/JPY	154.19	155.21	+1.02

Assumption of currency rate for Q4: USD/JPY 145, EUR/JPY 155

#### Revenue

: Increase by forex impact, sales increase of Inavir® due to outbreak of influenza, sales increase due to supply of Daichirona®, etc.

#### **Cost of sales**

**:** Increase due to the revenue increase, increase by forex impact

**!** Improvement in cost of sales ratio by change in product mix

#### **SG&A Expenses**

: Increase due to ADC production expansion

#### **R&D Expenses**

Decrease by increase of cost sharing for 3 DXd ADC products with Merck & Co., Inc., Rahway, NJ, USA

#### **Temporary income**

• Increase by lump sum payment received from Novartis following the settlement of Plexxikon's patent infringement lawsuit

#### **Profit before tax**

: Increase in financial expenses due to deterioration in forex gains/losses etc.

Forex Impact vs. as of Oct.

Revenue +8.5 Bn JPY Core operating profit +5.5 Bn JPY

Income and expenses related to: sale of fixed assets, restructuring (excluding the sales of pipeline and launched products), impairment, loss compensation, reconciliation, and other non-temporary and material gains and losses are included in the "temporary income and expenses".

<sup>\*</sup> As an indicator of ordinary profitability, "core operating profit" which excludes temporary income and expenses from operating income is disclosed.

Temporary income and expenses are excluded from results and forecast for cost of sales, SG&A expenses and R&D expenses shown in the list above.

## **Revision of Annual Dividend**

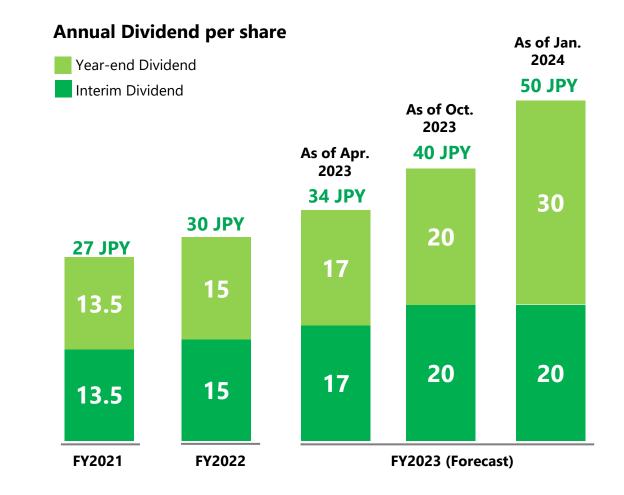


## Increase FY2023 annual dividend forecast per share to 50 JPY

(Increase by 10 JPY compared to forecast as of October 2023; by 20 JPY compared to FY2022)

#### FY2023 Annual Dividend Forecast

- Forecast as of April 2023 Increase by 4 JPY to 34 JPY compared to FY2022 due to increased likelihood of achieving KPIs for FY2025 driven by sales growth of ENHERTU® and others
- Forecast as of October 2023
  Increase by 6 JPY to 40 JPY compared to forecast as of April 2023 due to received upfront payment related to strategic collaboration with Merck & Co., Inc., Rahway, NJ, USA for 3 DXd ADC products, and strong performance of ENHERTU® and others
- Forecast as of January 2024
  Increase by 10 JPY compared to forecast as of October 2023 to 50 JPY upon FY2023 consolidated forecast revision based on continuous strong business performance and received lump sum payment from Novartis following the settlement of Plexxikon's patent infringement lawsuit





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**ENHERTU**®

## Revenue



(Bn JPY)

		FY2023 Q3 YTI	D Results	FY2023 Fo	orecast	<reference></reference>
			YoY		vs. Forecast as of Oct.	Total Consideration
Product Sales		276.0	136.3	383.9	2.2	-
	Japan	17.7	9.2	22.8	1.3	-
	US	162.8	63.0	226.3	-3.2	-
	Europe	64.7	42.4	94.5	1.7	-
	ASCA	30.8	21.6	40.3	2.4	-
Up	front payment	<b>7.6</b> *1	0.2	10.1 *1	0.3	149.0
Reg	gulatory milestone payment	10.0 *1	-9.7	12.4 *1	0.4	137.7
	US HER2+ Breast Cancer 3L	0.7	0.0	0.9	0.0	13.7
	EU HER2+ Breast Cancer 3L	0.4	0.0	0.5	0.0	7.9
	US HER2+ Gastric Cancer 2L + 3L	0.6	0.0	0.8	0.0	12.1
	US HER2+ Breast Cancer 2L	0.7	-2.6	0.9	0.0	13.1
	EU HER2+ Breast Cancer 2L	0.5	-2.0	0.7	0.0	10.1
	US HER2-low Breast Cancer (post-chemo)	1.4	-5.4	1.9	0.1	27.7
	EU HER2-low Breast Cancer (post-chemo)	1.0	1.0	1.3	0.0	19.8
	EU HER2+ Gastric Cancer 2L	0.2	-0.9	0.3	0.0	4.8
	US HER2 Mutant NSCLC 2L	0.9	-3.4	1.2	0.0	17.3
	EU HER2 Mutant NSCLC 2L	3.6	3.6	3.8	0.2	11.1
Qu	id related payment	<b>0.9</b> *1	0.0	1.2 *1	0.0	17.2
Sal	es milestone payment	-	-	<b>29.0</b> *2 *3	-	42.2
	Total	294.4	126.8	436.5	2.9	346.0

- \*1 Revenue recognized in each period
- \*2 Converted with assumed forex rate for FY2023 Q4 of 145 JPY to 1 USD (130 JPY to 1 USD as of Apr.)
- \*3 Milestone of 200Mn USD for achieving annual product sales of 2 Bn USD in cocommercialization territory with AstraZeneca. (Total amount to be recognized as revenue in FY2023)

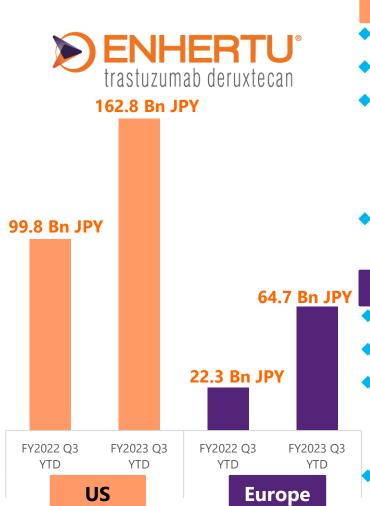
Ref. Total sales milestone payment: 1.75 Bn USD (Max)



# **Performance in Each Region (US, EU)**



Global product sales: FY2023Q3 YTD results 276.0 Bn JPY (YoY +136.3 Bn JPY) FY2023 forecast 383.9 Bn JPY (vs. Forecast as of Oct. +2.2 Bn JPY)



#### US

- Product sales: FY2023Q3 YTD results 162.8 Bn JPY (1,136 Mn USD) FY2023 forecast 226.3 Bn JPY (1,575 Mn USD)
- Indication: HER2+ mBC 2L+, HER2 low mBC (post-chemo), HER2+ mGC 2L+, HER2 mutant mNSCLC 2L+

#### Market share status

- ➤ HER2+ mBC 2L: Maintaining No.1 and increasing new patient share
- ➤ HER2 low mBC: Maintaining No.1 new patient share
- ➤ HER2+ mGC 2L: Maintaining No.1 new patient share
- ➤ HER2 mutant mNSCLC 2L: Maintaining No.1 new patient share

#### Other progress

➤ Classified in NCCN<sup>\*1</sup> guidelines: endometrial cancer (Sep. 2023), cervical cancer (Sep. 2023)

head and neck cancer (Dec. 2023), ovarian cancer (Jan. 2024)

#### **Europe**

- Product sales: FY2023Q3 YTD results 64.7 Bn JPY (452 Mn USD) FY2023 forecast 94.5 Bn JPY (658 Mn USD)
- Indication: HER2+ mBC 2L+, HER2 low mBC (post-chemo), HER2+ mGC 2L+, HER2 mutant mNSCLC 2L+

#### Market share status

- ➤ HER2+ mBC 2L: Maintaining No.1 new patient share in France, Germany and Spain, achieved No.1 new patient share in Italy
- > HER2 low mBC: Maintaining No.1 new patient share in France and Germany

#### Other progress

- > Launched in Italy (Jul. 2023)
- > Approved for HER2 mutant mNSCLC 2L+ and started promotion (Oct. 2023)

\*1 NCCN: National Comprehensive Cancer Network

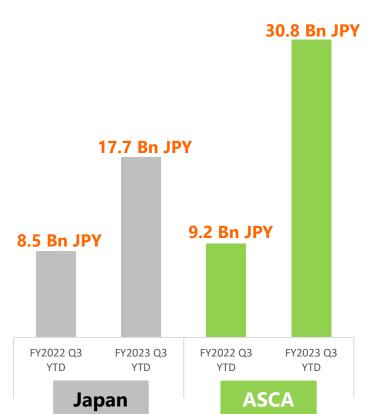


## Performance in Each Region (Japan, ASCA)



Global product sales: FY2023Q3 YTD results 276.0 Bn JPY (YoY +136.3 Bn JPY) FY2023 forecast 383.9 Bn JPY (vs. Forecast as of Oct. +2.2 Bn JPY)





#### **Japan**

- Product sales: FY2023Q3 YTD results 17.7 Bn JPY FY2023 forecast 22.8 Bn JPY
- ◆ Indication: HER2+ mBC 2L+, HER2 low mBC (post-chemo), HER2+ mGC 3L, HER2 mutant mNSCLC 2L+

#### Market share status

- > HER2+ mBC 2L: Maintaining No.1 new patient share
- > HER2 low mBC: Maintaining No.1 new patient share
- ➤ HER2+ mGC 3L: Maintaining No.1 new patient share
- ➤ HER2 mutant mNSCLC 2L: Steady uptake in capturing new patient share

#### Other progress

- > Approved for HER2 mutant mNSCLC 2L+ and started promotion (Aug. 2023)
- Classified as a preferred regimen for HER2 mutant mNSCLC 2L+ treatment in guidelines in Japan (Nov. 2023)

#### **ASCA**

- Product sales: FY2023Q3 YTD results 30.8 Bn JPY FY2023 forecast 40.3 Bn JPY
- ◆ Indication: HER2+ mBC 2L+, HER2 low mBC (post-chemo), HER2+ mGC 2L+, HER2 mutant mNSCLC 2L+

#### Market share status

> Sales growing in Brazil, China and Taiwan

#### Other progress

- > China: Launched for HER2+ mBC 2L (Jun. 2023), Approved for HER2 low mBC (post-chemo) and started promotion (Jul. 2023)
- ➤ Brazil: Approved for HER2+ mGC 2L+ and HER2 mutant mNSCLC 2L+ and started promotion (Nov. 2023)

Blue letters: updates from Q2

# **Major Updates on Patent Disputes**



## **Dispute with Novartis regarding Plexxikon's Patents**

- Dec. 2023 Our U.S. subsidiary Plexxikon settled with Novartis
  - Plexxikon received a lump sum payment of 182 Mn USD (26.1 Bn JPY) and the settlement resulted in the dismissal of Novartis's appeal
  - The payment is recorded as "Temporary income" in Q3 financial results

#### **Course of events**

- ◆ Aug. 2017: Plexxikon filed a claim that Novartis' BRAF inhibitor Tafinlar® infringes Plexxikon's U.S. Patents to the U.S. District Court for the Northern District of California.
- ◆ Sep. 2022: the U.S. District Court ordered in favor of Plexxikon
- ◆ Oct. 2022: Novartis filed an appeal to the U.S. Court of Appeals for the Federal Circuit.

## Dispute with Seagen (SGN) regarding Daiichi Sankyo ADC ① (Arbitration on ADC Technology)

- Nov. 2023 Final award issued by an arbitrator
  - The final award followed and incorporated the Aug. 2022 decision\* by the arbitrator, and required SGN to pay 46 Mn USD in attorneys' fees and arbitration costs to Daiichi Sankyo.
    - \* Aug. 2022 decision by arbitrator denied all claims by SGN that it has ownership interest in certain intellectual property rights related to Daiichi Sankyo's ADC technology
  - The final award confirmed that the arbitrator once again denied all claims made by SGN, and with this award, the arbitration proceedings were concluded.

# **Major Updates on Patent Disputes**



## Dispute with Seagen (SGN) regarding Daiichi Sankyo ADC ② (Disputes regarding SGN's patent)

◆ Nov. 2023 DS filed a notice of appeal to the U.S. Court of Appeals for the Federal Circuit seeking review of the amended final judgment by the U.S. District Court for the Eastern District of Texas

#### **Course of events for patent infringement litigation in Texas**

- Oct. 2020: SGN filed a patent infringement lawsuit in the U.S. District Court for the Eastern District of Texas
- ◆ Apr. 2022: A trial was conducted in the court and the jury awarded SGN 41.8 Mn USD in damages
- ◆ Jul. 2022: The Court entered a judgment confirming the aforementioned jury verdict
- ◆ Oct. 2023: The Court's amended final judgment requires DS to pay SGN a royalty of 8% on sales of ENHERTU® from April 1, 2022 through November 4, 2024 (the expiry of SGN's U.S. patent) in addition to the 41.8 Mn USD in damages previously awarded by the Court in July 2022
- Jan. 2024 The U.S. Patent and Trademark Office (USPTO) rendered a Final Written Decision invalidating all challenged claims of SGN's U.S. patent in a Post Grant Review (PGR)
  - The patent was the sole patent-in-suit in the infringement litigation in the U.S. District Court for the Eastern District of Texas between the parties, an appeal of which is now pending.

#### Course of events for PGR

- ◆ Dec. 2020: DS filed a petition with the USPTO for the PGR contesting the patentability
- April 2022: The USPTO initiated the PGR
- ◆ July 2022: The USPTO deinstituted the PGR
- ◆ Feb. 2023: The USPTO reinitiated the PGR on the ground that DS's petition "presents compelling evidence of unpatentability"

# **Other Regional Initiatives**



### Japan

- **◆ DAICHIRONA® FOR INTRAMUSCULAR INJECTION COVID-19 vaccine** 
  - > Dec. 2023 Supply Omicron XBB.1.5-adapted monovalent vaccine



## Europe

- Update on Collaboration with Esperion Therapeutics, Inc.
  - Jan. 2024 DSE and Esperion amended their collaboration as below
    - for Esperion to transition to DSE manufacturing and supply responsibilities (tech transfer)
    - to expand their collaboration in Europe and other territories, with DSE receiving the full right to the potential development and commercialization of a triple formulation product \*1 \*1 bempedoic acid, ezetimibe and a statin
    - for DSE to now lead regulatory communications with the European Medicines Agency (EMA) regarding the pending "Cardiovascular outcome trial" label update for Nilemdo/Nustendi
    - for DSE to pay Esperion 100Mn USD after execution of amended agreement, and 25Mn USD after EMA's decision on pending CLEAR Outcomes study \*2 (125Mn USD in total)
    - for Esperion to dismiss the pending litigation against DSE

<sup>\*2</sup> The trial has been designed to evaluate if bempedoic acid reduces CV events in high- and very high-risk patients who tolerate no or very low doses of statin

# **Meeting Information**



## **ESG Meeting**

- Date and time: Thursday, February 29, 2024 16:00-17:30 (JST)
- ◆ Speaker: Kama Chairperson of the Board, Manabe CEO, Okuzawa COO, Fukuoka CStO\*¹,
   Ogawa CFO, Matsumoto CHRO\*² and others
   \*¹ Chief Strategy Officer、\*² Chief Human Resources Officer
- Meeting style: on site+virtual (Zoom)

## **ENHERTU**<sup>®</sup> Business Briefing

- Date and time: Friday, March 22, 2024 7:30-9:00 (JST) (Thursday, March 21, 2024 18:30-20:00 (EDT))
- Speaker: Manabe CEO, Ken Keller Global Head, Oncology Business Unit
- Meeting style: virtual (Zoom)



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## **5DXd ADCs Update**

Next Wave Update

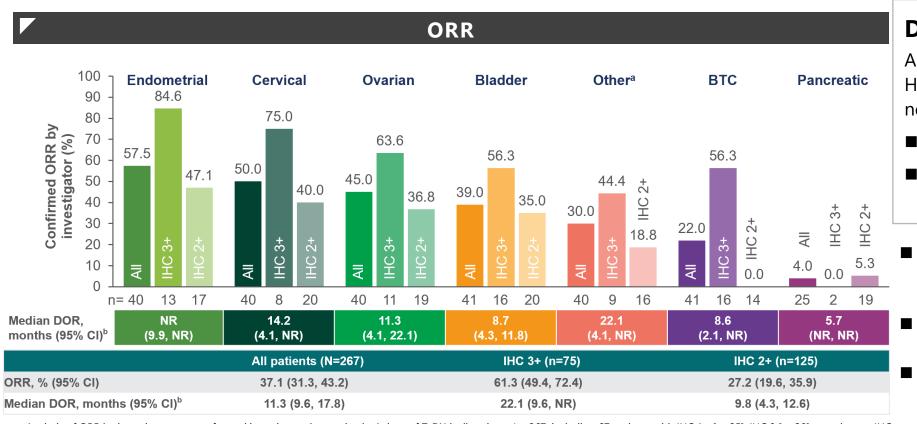
News Flow



## **DESTINY-PanTumor02 study**



# Filing accepted with priority review in US in Jan 2024 for a tumor agnostic therapy in previously treated patients with HER2 expressing solid tumors



## **DESTINY-PanTumor02 study**

An open-label, multicenter study, in HER2-expressing advanced solid tumors not eligible for curative therapy

- Primary endpoint: confirmed ORR
- Secondary endpoint: DOR, DCR, PFS, OS etc.
- Demonstrated clinically meaningful and durable responses and the safety profile was consistent with the known profile
- Submission data package includes DESTINY-CRC02 study and others\*
- PDUFA date: May 30<sup>th</sup>, 2024

Analysis of ORR by investigator was performed in patients who received  $\geq 1$  dose of T-DXd; all patients (n=267; including 67 patients with IHC 1+ [n=25], IHC 0 [n=30], or unknown IHC status [n=12] by central testing) and patients with centrally confirmed HER2 IHC 3+ (n=75) or IHC 2+ (n=125) status. Analysis of DOR was performed in patients with objective response who received  $\geq 1$  dose of T-DXd; all patients (n=99; including 19 patients with IHC 1+ [n=6], IHC 0 [n=9], or unknown IHC status [n=4] by central testing) and patients with centrally confirmed HER2 IHC 3+ (n=46) or IHC 2+ (n=34) status. Responses in extramammary Paget's disease, head and neck cancer, oropharyngeal neoplasm, and salivary gland cancer; includes patients with a confirmed objective response only,

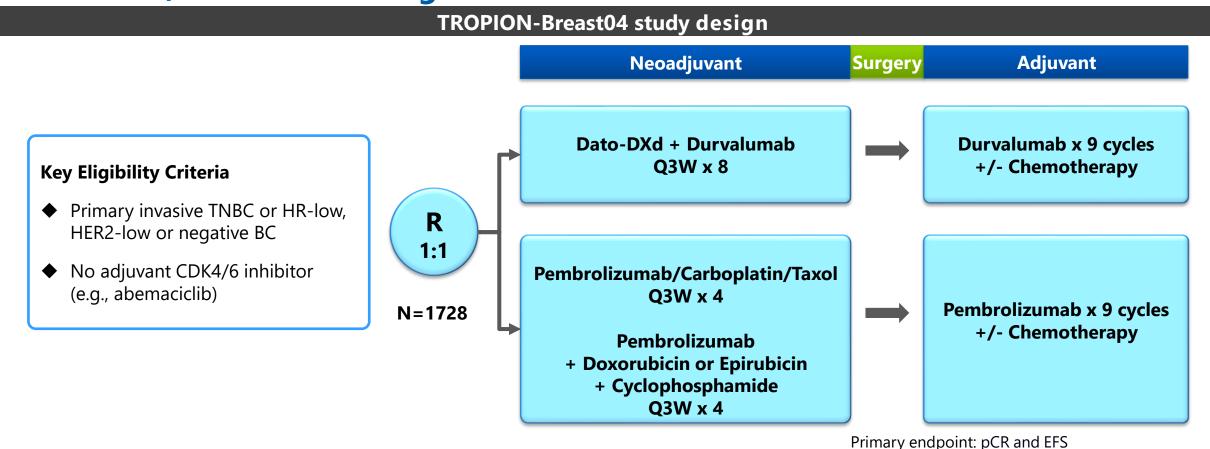
BTC: biliary tract cancer, CI: confidence interval, CRC: colorectal cancer, DCR: disease control rate, DOR: duration of response, IHC: immunohistochemistry, NR: not reached, ORR: objective response rate, OS: overall survival, PDUFA: Prescription Drug User Fee Act, PFS: progression-free survival

\*Include DESTINY-Breast01, DESTINY-Gastric02 and DESTINY-Lung01 data

# **TROPION-Breast04 study**



# Started new Ph3 study for neoadjuvant and adjuvant therapy of TNBC or HR-low, HER2-low or negative BC in Nov 2023

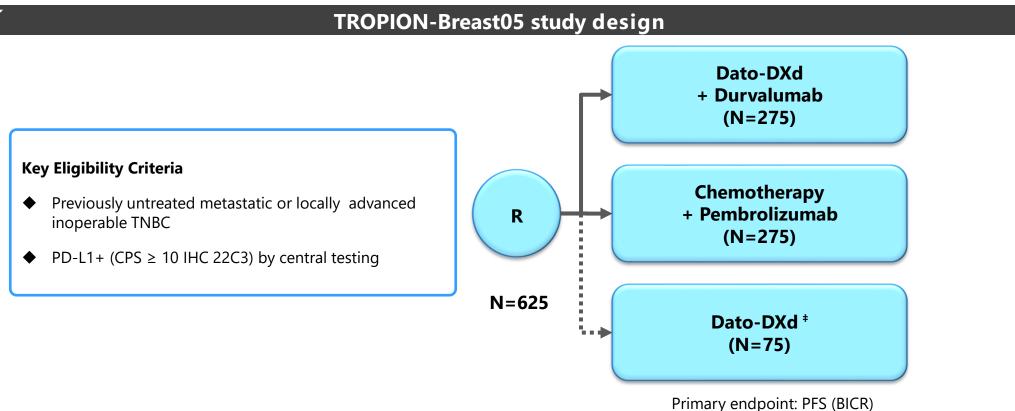


Secondary endpoint: OS, DDFS, safety, PROs, etc.

# **TROPION-Breast05 study**



# Started Ph3 combination study with durvalumab for PD-L1 positive metastatic TNBC 1L in Nov 2023



Primary endpoint: PFS (BICR)
Secondary endpoint: OS, PFS (inv), ORR, DOR, etc.

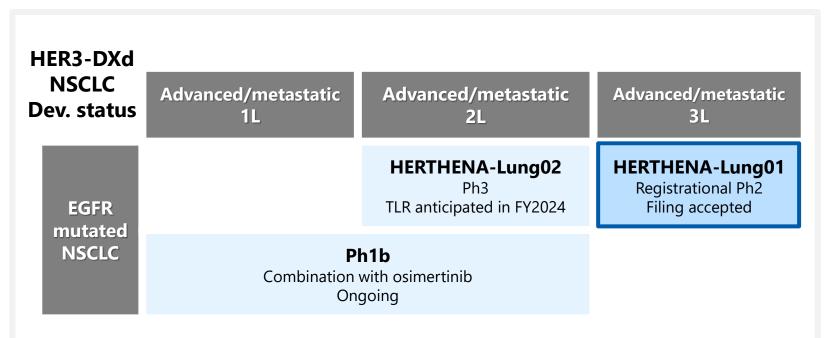
<sup>&</sup>lt;sup>‡</sup> This arm will be applied only to selected countries and regions with 1:1:1 randomization strategy, otherwise 1:1 in other arms.



# **HERTHENA-Lung01 study**



# Filing accepted with priority review in US for the treatment of patients with EGFR mutated NSCLC 3L, as a potential first HER3-targeted drug



## **HERTHENA-Lung01 study**

Registrational Ph2 study to evaluate antitumor activities of HER3-DXd in patients with EGFR mutated NSCLC previously treated with at least one EGFR TKI and PBC

- Primary endpoint is ORR, and secondary endpoints are DOR, PFS, OS etc
- FDA granted BTD in Dec 2021
- HERTHENA-Lung02 study (Ph3) is ongoing as a confirmatory study
- Sep 2023: Data presented at WCLC. Efficacy was observed across diverse mechanisms of EGFR TKI resistance and across a broad range of pretreatment tumor HER3 membrane expression
- Dec 2023: Under the RTOR program, filing accepted and priority review granted in US. PDUFA date: Jun 26<sup>th</sup>, 2024

# **HERTHENA-PanTumor01 study**



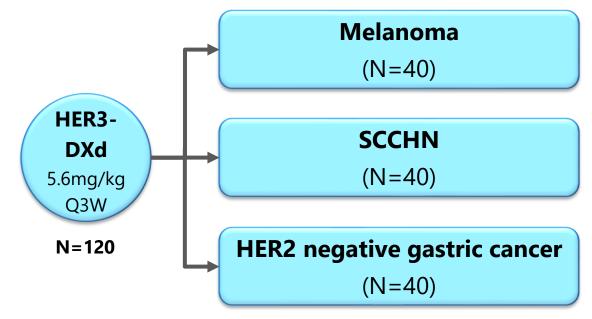
## Seeking to expand to new tumor types

### **HERTHENA-PanTumor01 study design**

#### **HERTHENA-PanTumor01 study**

Ph2 study in patients with locally advanced or metastatic solid tumors

■ Patients who have received 1 or more prior lines of therapy



Primary endpoint: ORR

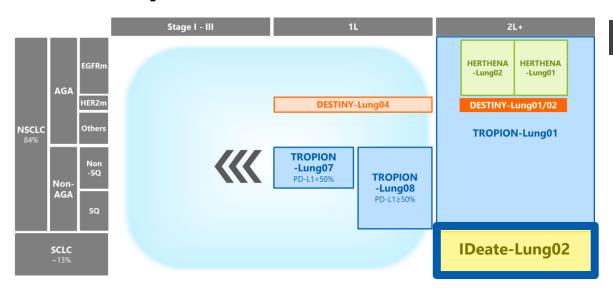
Secondary endpoint: DOR、DCR, PFS, OS, safety, etc.

- ■Selected new tumor targets based on in-house preclinical data
- ■Potential new cohorts to be added in the future
- ■Study start planned in FY2023

## IDeate-Lung02 study\*\* SCLC 2L+ Ph3 study



## Plan to start a pivotal study based on the promising data in SCLC patients in FY2024 H1



## I-DXd 12 mg/kg Q3W R 1:1 **TPC** Topotecan, Amrubicin,

**IDeate-Lung02 Study Design** 

Lurbinectedin

DOR, DCR, TTR, safety, etc.

Primary Endpoint: ORR by BICR, OS

Secondary Endpoint: ORR by investigator, PFS,

## **IDeate-Lung02 Study**

Ph3 study for relapsed SCLC

■ Patient has received prior therapy with at least one prior platinum-based line

N = 468

<sup>\*</sup> I-DXd: Ifinatamab deruxtecan, DS-7300

<sup>\*\*</sup> Clinical Trials.gov indicates IDeate-2 for this study which will be renamed to IDeate-Lung02

# **REJOICE-Ovarian01 study**



# Based on promising Ph1 data, planning to initiate Ph2/3 for platinum-resistant ovarian cancer in FY2023 Q4

#### **REJOICE-Ovarian01 study design** (N=650) Ph2 part Ph3 part Ph3 dose **DS-6000 DS-6000** 4.8mg/kg, Q3W **Population** RP3D, Q3W Platinum-resistant ovarian, R R **DS-6000** Recommended primary peritoneal or fallopian 5.6mg/kg, Q3W 1:1:1 1:1 tube cancer **Investigator's choice** 1 to 3 prior lines of therapy (Paclitaxel, PLD, Gemcitabine, **DS-6000** 6.4mg/kg, Q3W Topotecan) ■ Primary endpoint: PFS, ORR ■ Primary endpoint: ORR

■ Secondary endpoint: Safety, DOR, DCR, PFS, etc.

■ Secondary endpoint: OS, DOR, DCR, safety, etc.

# Other clinical progresses and regulatory updates



### **ENHERTU**®

 Dec 2023: Filing accepted in China for HER2 positive locally advanced or metastatic gastric or GEJ adenocarcinoma 3L based on DESTINY-Gastric06 study data

#### **Dato-DXd**

- FY2023 Q4: Expected to obtain a filing acceptance in US based on TROPION-Lung01 study data
- FY2023 Q4: Expected to obtain a filing acceptance in US based on TROPION-Breast01 study data



## 5DXd ADCs Update

## **Next Wave Update**

News Flow

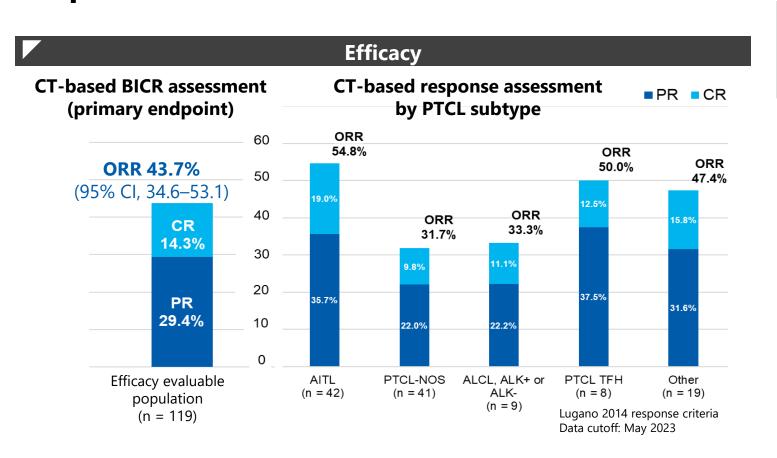
## **Valemetostat**

# **VALENTINE-PTCL01 Primary Results**



**ASH 2023** 

# Valemetostat monotherapy provided a clinically meaningful benefit for patients with R/R PTCL



#### **VALENTINE-PTCL01**

A Ph2 single-arm study in R/R PTCL (N=133) treated with 200 mg/day valemetostat

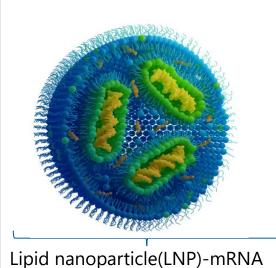
- Valemetostat monotherapy demonstrated a high ORR of 43.7% with CR rate 14.3%
- Responses were durable (mDOR 11.9 months)
- The safety profile was acceptable and AEs were generally manageable; 57.9% patients experienced grade ≥3 TEAEs (cytopenias were the most common)
- Planning regulatory submission in Japan in FY2023

AITL: angioimmunoblastic T-cell lymphoma, ALCL: anaplastic large cell lymphoma, ALK: anaplastic lymphoma kinase, ASH: American Society of Hematology, BICR: blinded independent central review, CI: confidence interval, CT: computed tomography, CR: complete response, mDOR: median duration of response, ORR: objective response rate, PR: partial response, PTCL-NOS: PTCL-not otherwise specified, R/R-PTCL: relapsed or refractory peripheral T-cell lymphomas, TEAEs: treatment emergent adverse events, TFH: T follicular helper

# **Approval of COVID-19 vaccine**



## DAICHIRONA® FOR INTRAMUSCULAR INJECTION\*



- **♦DS** original cationic lipid is applied
  - Best lipid and lipid composition ratio are selected based on efficacy & safety perspectives
- **◆The first mRNA vaccine made in Japan**
- COVID-19 vaccine for Omicron XBB.1.5 strain was approved in Japan in Nov 2023

<sup>\*</sup> The research and development of DAICHIRONA® FOR INTRAMUSCULAR INJECTION-is being conducted through the "Vaccine development project" promoted by the Japan Agency for Medical Research and Development (AMED) and the "Urgent improvement project for vaccine manufacturing systems" supported by the Japanese Ministry of Health, Labour and Welfare (MHLW).

# Ph1b/2 study start





#### Target Disease

### ■ Netherton syndrome

- An autosomal recessive genetic disease affecting skin, hair and immune system
- Caused by mutations in the SPINK5 gene, which encodes LEKTI, a serine protease inhibitor
- Incidence is estimated at 1/200,000 births

## Current status of development

## ■ Ph1b/2 study started in Dec 2023

- Randomized, placebo-controlled, double-blind study in patients with Netherton syndrome
- Primary objective: safety
- Secondary objective: pharmacokinetics, pharmacodynamics, early clinical signal

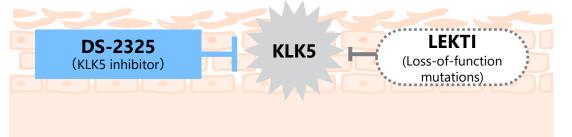
### Following designations granted in US

- Orphan drug designation (Dec 2022)
- Fast track designation (Feb 2023)
- Rare pediatric disease designation (May 2023)

#### Mode of Action

#### Skin of Netherton syndrome patient

- Desquamation
- Inflammation





5DXd ADCs Update

Next Wave Update

## **News Flow**





As of Jan 2024

Regulatory decisions					
	DESTINY-PanTumor02, DESTINY-CRC02, etc.: HER2 IHC3+ solid tumors				
ENHERTU®	• US: FY2024 H1				
LINITERTO	DESTINY-Gastric06: HER2+ GC, 3L+				
	• CN: FY2024 H1				
HER3-DXd	HERTHENA-Lung01: EGFR mutated NSCLC, 3L  • US: FY2024 H1				

## Planned regulatory filing\*

TROPION-Lung01: NSCLC, 2/3L

• US: FY2023 Q4

Dato-DXd

TROPION-Breast01: HR positive and HER2 low or

negative BC, 2/3L
• US: FY2023 Q4

ENHERTU® DESTINY-Lung05: HER2 mutant NSCLC, 2L

• CN: FY2023 Q4

**EZHERMIA**®

**VALENTINE-PTCL01:** r/r PTCL

• JP: FY2023 Q4

### Key data readouts

**ENHERTU®** 

DESTINY-Breast06\*:

HR+ and HER2 low BC, chemo naïve, Ph3

• FY2024 H1

BC: breast cancer, CN: China, CRC: colorectal cancer, GC: gastric cancer, HR: hormone receptor, IHC: immunohistochemistry, NSCLC: non-small cell lung cancer, PTCL: peripheral T cell lymphoma, r/r: relapsed/refractory

#### **Bold: update from FY2023 Q2**

Timeline indicated is based on the current forecast and subject to change \*\* Timeline for "Planned regulatory filing" indicates expected filing acceptance date \*: event-driven study



# **Agenda**

- 1 FY2023 Q3 Financial Results
- 2 Business Update
- 3 R&D Update
- **4** Appendix

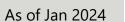




# **Major R&D Milestones (ENHERTU®)**

As of Jan 2024

D.v.o.: o	-4	Target Indication	FY20	23	EV2024
Proje	Ct	[phase, study name]	H1	H2	FY2024
		• HR+/HER2 low, chemo naive [Ph3, DESTINY-Breast06]			• TLR anticipated
	ВС	• HER2+, 1L [Ph3, DESTINY-Breast09]			• TLR anticipated
ENHERTU®		• HER2+, neoadjuvant [Ph3, DESTINY-Breast11]			• TLR anticipated
	GC	• HER2+, 3L+ [Ph2, DESTINY-Gastric06]	• TLR obtained	• Filed (CN)	<ul> <li>Regulatory decision anticipated (CN)</li> </ul>
	NSCLC	• HER2 mutant, 2L [Ph2, DESTINY-Lung05]		<ul> <li>TLR obtained</li> <li>Planned regulatory filing* (CN)</li> </ul>	
I	Other tumors	<ul> <li>HER2 expressing tumors [Ph2, DESTINY-PanTumor02]</li> </ul>	• TLR obtained	• Filed (US)	<ul> <li>Regulatory decision anticipated (US)</li> </ul>



# **Major R&D Milestones (Dato-DXd)**



Duning		Target Indication	FY20	EV2024	
Projec		[phase, study name]	H1	H2	FY2024
	NSCLC	• 2/3L [Ph3, TROPION-Lung01]	• TLR obtained	• Planned regulatory filing** (US)	
		• HR+ and HER2 low or negative, 2/3L [Ph3, TROPION-Breast01]	• TLR obtained	<ul> <li>Planned regulatory filing* (US)</li> </ul>	
Dato-DXd	BC -	• TNBC, PD-1/PD-L1 ineligible,1L [Ph3, TROPION-Breast02]			• TLR anticipated
		<ul> <li>TNBC or HR low, HER2 low or negative BC, neoadjuvant/adjuvant [Ph3, TROPION-Breast04]</li> </ul>		• Study started	
		• TNBC, PD-L1 positive, 1L [Ph3, TROPION-Breast05]		• Study started	



# Major R&D Milestones (HER3-DXd, I-DXd, DS-6000)

As of Jan 2024

Project		Target Indication [phase, study name]	FY2023		EV2024
			H1	H2	FY2024
HER3-DXd	NSCLC	• EGFR mutated, 3L [Ph2, HERTHENA-Lung01]		• Filed (US)	<ul> <li>Regulatory decision anticipated (US)</li> </ul>
		<ul> <li>EGFR mutated, 2L [Ph3, HERTHENA-Lung02]</li> </ul>			TLR anticipated
	Other tumors	<ul> <li>Melanoma, SCCHN,         HER2 negative GC         [Ph2, HERTHENA-PanTumor01]</li> </ul>		• Study start planned	
I-DXd	SCLC	• 2L+ [Dose optimization, Ph2, IDeate- Lung01 (IDeate-1)**]			TLR anticipated
		• 2L+ [Ph3, IDeate-Lung02 (IDeate-2) *]			• Study start planned
DS-6000 (R-DXd)	OVC	• 2L+ [Ph2/3, REJOICE-Ovarian01]		• Study start planned	





As of Jan 2024

D : .		FY2023		F)/2024	
Project	Target Indication [phase, study name]	H1	H2	FY2024	
EZHARMIA®	• r/r PTCL [Registrational Ph2, VALENTINE-PTCL01]	• TLR obtained	<ul> <li>Planned regulatory filing* (JP)</li> </ul>	<ul> <li>Regulatory decision anticipated (JP)</li> </ul>	
DS-2325	• Netherton syndrome [Ph1b/2]		• Study started		
DAICHIRONA® (DS-5670)	<ul> <li>COVID-19 mRNA vaccine (mutant strain), booster vaccination [Ph3]</li> </ul>	• Filing accepted (JP)	• Approved (JP)		

# Daiichi-Sankyo

# **Major R&D Pipeline: 5DXd ADCs**

#### As of Jan 2024

Phase 1		Phase 2		Phase 3	
(US/EU/Asia) HER2+ BC 2L+/1L DESTINY-Breast07	(CN) NSCLC, TNBC TROPION-PanTumor02	(US/EU/Asia) TNBC (durvalumab combo) BEGONIA	(JP/US/EU/Asia) EGFR mutated NSCLC (osimertinib combo) 2L ORCHARD	(JP/US/EU/Asia) HER2+ BC adjuvant* <sup>1</sup> DESTINY-Breast05	(JP/US/EU/Asia) TNBC neoadjuvant and adjuvant (durvalumab combo) TROPION-Breast04
(US/EU/Asia) HER2 low BC Chemo naïve/post chemo DESTINY-Breast08	(JP/US/EU/Asia) NSCLC (w/o AGA, pembrolizumab combo) TROPION-Lung02	(CN) HER2 mutant NSCLC 2L+ DESTINY-Lung05	(US/EU/Asia) resectable early-stage NSCLC (durvalumab combo) neoadjuvant NeoCOAST-2	(JP/US/EU/Asia) HER2 low BC chemo naïve DESTINY-Breast06	(JP/US/EU/Asia) PD-L1 positive TNBC 1L (mono or durvalumab combo) TROPION-Breast05
(JP/US/EU/Asia) HER2+ GC combo, 2L+/1L DESTINY-Gastric03	(JP/US/EU) NSCLC (w/o AGA, durvalumab, AZD2936 and MEDI5752 combo) TROPION-Lung04	(US/EU/Asia) NSCLC (durvalumab combo) 2L+ HUDSON	(JP/US/EU/Asia) in prep, melanoma, SCCHN, HER2 negative GC, 2L+ HERTHENA-PanTumor01	(JP/US/EU/Asia) HER2+ BC 1L DESTINY-Breast09	(JP/US/EU/Asia) EGFR mutated NSCLC 2L HERTHENA-Lung02
(US/EU/Asia) HER2+ NSCLC (durvalumab, MEDI5752 combo) 1L DESTINY-Lung03	(JP/US/EU/Asia) solid tumors (AZD5305 combo) PETRA	(JP/US/EU/Asia) solid tumors TROPION-PanTumor03	(JP/US/EU/Asia) ES-SCLC, 2L+ IDeate-Lung01 (IDeate-1)	(JP/US/EU/Asia) HER2+ BC neoadjuvant DESTINY-Breast11	(JP/US/EU/Asia) in prep ES-SCLC, 2L+ IDeate-Lung02 (IDeate-2)
(US/EU) BC, bladder (nivolumab combo)	(JP/US/EU/Asia) NSCLC	(US/EU/Asia) TNBC (durvalumab combo) BEGONIA	(JP/US/EU/Asia) in prep ovarian cancer REJOICE-Ovarian01	(JP/EU/Asia) HER2+ GC 2L DESTINY-Gastric04	Regulatory phase
(US/EU) BC, NSCLC (pembrolizumab combo)	(JP/US/Asia) EGFR mutated NSCLC (osimertinib combo)			(JP/US/EU/Asia) NSCLC (w/ HER2 exon 19 or exon 20 mutation) 1L DESTINY-Lung04	(US) HER2 expressing tumors DESTINY-PanTumor02, DESTINY-CRC02 etc
(US/EU/Asia) solid tumors (AZD5305 combo) PETRA	(JP/US) ESCC, CRPC, squamous NSCLC, SCLC, etc. IDeate-PanTumor01			(JP/US/EU/Asia) non-squamous NSCLC (w/o AGA, pembrolizumab combo) 1L TROPION-Lung07	(CN) HER2+ GC 3L DESTINY-Gastric06
(JP/US) solid tumors TROPION-PanTumor01	(JP/US) renal cell carcinoma, ovarian cancer			(JP/US/EU/Asia) NSCLC (w/o AGA, pembrolizumab combo) 1L TROPION-Lung08	(JP/US/EU/Asia) NSCLC 2/3L TROPION-Lung01
ENHERTU® Dato-DXd	HER3-DXd I-DXd DS-60 (R-DX	(JP/US/EU/Asia) TNBC (PD-1/PD-L1 inhibitor ineligible) 1L TROPION-Breast02	(JP/US/EU/Asia) BC* <sup>3</sup> 2/3L TROPION-Breast01		
	oe submitted for approval in some countries/re Orphan drug designation (designated in at lea	(JP/US/EU/Asia) TNBC adjuvant* <sup>2</sup> (mono or durvalumab combo) TROPION-Breast03	(US) EGFR mutated NSCLC 3L HERTHENA-Lung01		

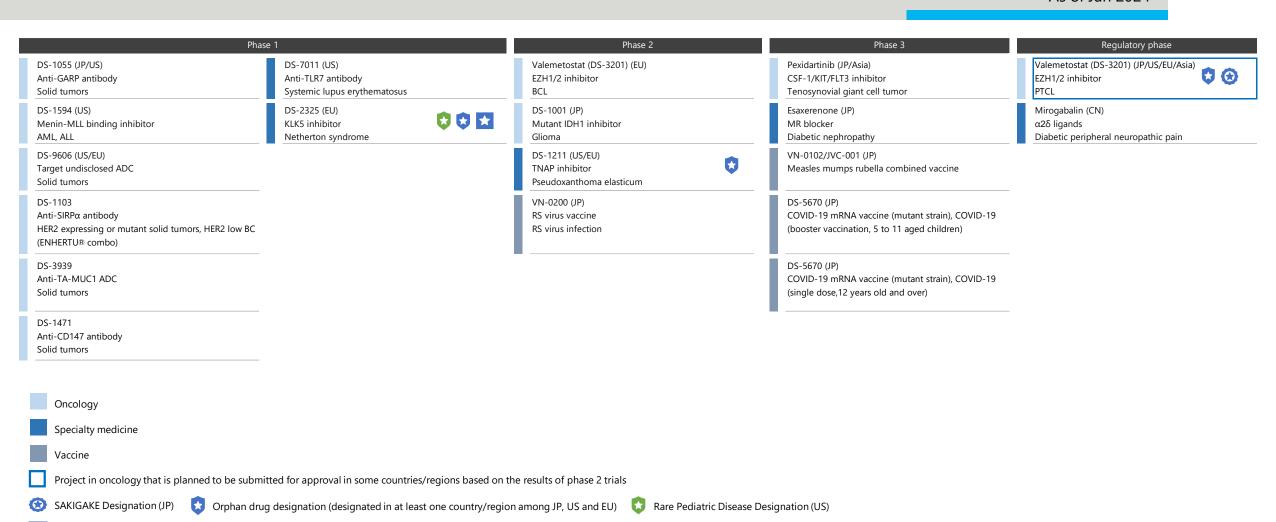
- \* 1 Adjuvant therapy for HER2 positive breast cancer patients with residual invasive disease following neoadjuvant therapy
- \*2 Adjuvant therapy for TNBC patients with residual invasive disease following neoadjuvant therapy
- \*3 HR+, HER2 low or negative BC

AGA: actionable genomic alterations, BC: breast cancer, CRC: colorectal cancer, CRPC: castration-resistant prostate cancer, ESCC: esophageal squamous cell carcinoma, ES-SCLC: extensive stage-small cell lung cancer, GC: qastric cancer, NSCLC: non-small cell lung cancer, SCLC: small cell lung cancer, TNBC: triple negative breast cancer

# **Major R&D Pipeline: Next Wave**



As of Jan 2024



ALL: acute lymphoblastic leukemia, BCL: B cell lymphoma, LBCL: large B cell lymphoma, PTCL: peripheral T-cell lymphoma

Fast Track Designation (US)

## **Contact address regarding this material**

Daiichi Sankyo Co., Ltd.

Corporate Communications Department

TEL: +81-3-6225-1125

Email: <u>DaiichiSankyolR@daiichisankyo.co.jp</u>