# **Partnering Activity Update**

**November 2, 2021** 



#### **Cautionary Notes**

Forecasts and other forward-looking statements included in this document are based on information currently available and certain assumptions that the Company deems reasonable.

Actual performance and other results may differ significantly due to various factors. Such factors include, but are not limited to:

- (i) failures in new product development
- (ii) changes in general economic conditions due to reform of medical insurance system
- (iii) failures in obtaining the expected results due to effects of competing products or generic drugs
- (iv) infringements of the Company's intellectual property rights by third parties
- (v) stagnation of product supply from the delay in production due to natural disasters, fires and so on
- (vi) onset of new side effect of post-licensure medical product and,(vii) currency exchange rate fluctuations and interest rate trend.

Information about pharmaceutical products (including products currently in development) included in this document is not intended to constitute an advertisement of medical advice.

## Partnering Activity (2010~) (1)

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Date	Product name or Code number (Generic name)	Indication (MOA)	Phase (JP)	Phase (Overseas)	Partner (Agreements)
Sep 2010	KYPROLIS (Carfilzomib)	Multiple Myeloma (Proteasome inhibitor)	L	L	Amgen, USA (in-license/JP)
	CORALAN (Ivabradine)	Chronic Heart Failure (HCN channel blocker)	L	L	Servier, France (in-license/JP)
Sep 2011	PARSABIV (Etelcalcetide)	Secondary Hyperparathyroidism (Calcium sensing receptor agonist)	L	L	Amgen, USA (in-license/JP)
	OPDIVO (Nivolumab)	Melanoma, NSCLC, RCC, Hodgkin's Lymphoma, H&N cancer, Gastric cancer, Malignant pleural mesothelioma, Colorectal cancer (MSI-H), Esophageal cancer (Anti-PD-1 mAb)	L	L	BMS, USA (out-license/ except JP, KR & TW)
	ORENCIA (Abatacept)	Rheumatoid Arthritis Juvenile Idiopathic Arthritis (T cell activation inhibitor)	L	L	BMS, USA (in-license/JP)
Apr 2013	ONGENTYS (Opicapone)	Wearing-off phenomenon in Parkinson's Disease (COMT inhibitor)	L	L	Bial, Portugal (in-license/JP)
Oct 2013	DEMSER (Metyrosine)	Status of Catecholamine Excess Secretion in Pheochromocytoma (Tyrosine hydroxylase inhibitor)	L	L	Bausch Health, USA (in-license/JP)
Dec 2013	FORXIGA (Dapagliflozin)	Type 2 Diabetes, Type 1 Diabetes, Chronic Heart Failure, Chronic Kidney Disease (SGLT-2 inhibitor)	L	L	AstraZeneca, UK (in-license/JP)

## Partnering Activity (2010~) (2)

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Date	Product name or Code number (Generic name)	Indication (MOA)	Phase (JP)	Phase (Overseas)	Partner (Agreements)	
Jul 2014	OPDIVO (Nivolumab)	Melanoma, NSCLC, RCC, Hodgkin's Lymphoma, H&N cancer, Gastric cancer, Malignant pleural mesothelioma, Colorectal cancer (MSI-H), Esophageal cancer (Anti-PD-1 mAb)	L	L	BMS, USA (out-license/ JP, KR & TW)	
	YERVOY (Ipilimumab)	Melanoma, RCC, Colorectal cancer (MSI-H), NSCLC, Malignant pleural mesothelioma (Anti-CTLA-4 mAb)	L	L	BMS, USA (in-license/ JP, KR & TW)	
	ONO-4482 (Relatlimab)	Melanoma (Anti-LAG-3 mAb)	1/11	Filing		
	ONO-4686 BMS-986207	Solid Tumors (Anti-TIGIT mAb)	1/11	1/11		
	ONO-7701 (Linrodostat)	Bladder cancer (IDO1 inhibitor)	III	III		
	ONO-7807 BMS-986258	Solid Tumors (Anti-TIM-3 mAb)	1/11	1/11		
	ONO-7911 (Bempegaldesleukin)	Solid Tumors (PEGylated IL-2)	I	1/11		
		Melanoma, RCC, Bladder cancer (PEGylated IL-2)	_	III		

## Partnering Activity (2010~) (3)

				7.5	of October 20, 2021
Date	Product name or Code number (Generic name)	Indication (MOA)	Phase (JP)	Phase (Overseas)	Partner (Agreements)
Jul 2014	OPALMON (Limaprost α-CD)	Lumber Spinal Canal Stenosis (oral PGE1 analogue)	L	L	Meiji Seika Pharma, Japan (out-license/THA)
Mar 2016	ONO-9054 (Sepetaprost)	Glaucoma Ocular Hypertension (FP/EP3 dual receptor agonist)	II	II	Santen Pharmaceutical, Japan (out- license/Global)
May	MEKTOVI (Binimetinib) BRAFTOVI (Encorafenib)	BRAF-mutant Melanoma (MEK inhibitor - BRAF inhibitor)	L	L	Pfizer, USA (in-license/JP & KR)
2017		BRAF-mutant Colorectal cancer (MEK inhibitor - BRAF inhibitor)	L	L (BRAFTOVI)	
Aug	JOYCLU (Diclofenac etalhyaluronate)	Osteoarthritis (Hip joint, Knee joint) (Combined drug of hyaluronic acid and NSAID)	L	II	Seikagaku, Japan
2017		Enthesopathy (Combined drug of hyaluronic acid and NSAID)	II	_	(in-license/JP)
Jun 2019	ONO-7912 (Devimistat)	Pancreatic cancer Acute Myeloid Leukemia (Cancer metabolism inhibitor)	ı	III	Rafael Pharmaceuticals, USA (in-license/JP, KR, TW & ASEAN)

## Partnering Activity (2010~) (4)

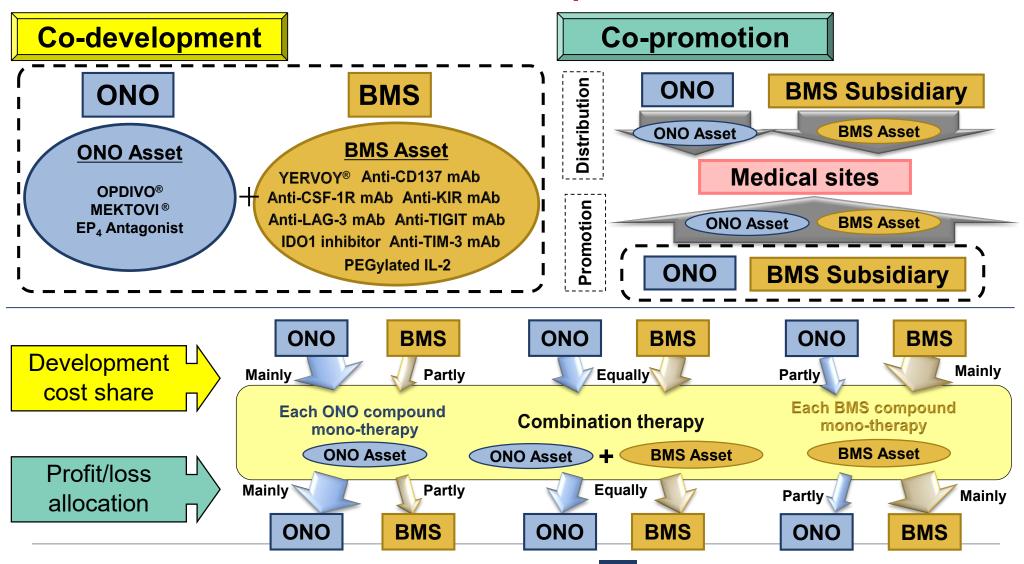
				, ,,,	Of October 20, 2021
Date	Product name or Code number (Generic name)	Indication (MOA)	Phase (JP)	Phase (Overseas)	Partner (Agreements)
	ONO-7913 (Magrolimab)	Non-Hodgkin's Lymphoma Colorectal cancer (Anti-CD47 mAb)	I	II	Gilead Sciences, USA (in-license/JP, KR, TW & ASEAN)
Jul		Myelodysplastic syndromes (Anti-CD47 mAb)	1	III	
2019		Acute Myeloid Leukemia (Anti-CD47 mAb)	_	III	
		Solid Tumors (Anti-CD47 mAb)	ı	ı	
Oct 2020	ONO-2017 (Cenobamate)	Partial-onset seizures (voltage-gated sodium currents inhibitor, γ-aminobutyric acid (GABA <sub>A</sub> ) ion channel modulator)	III	L	SK Biopharmaceuticals, Korea (in-license/JP)
Dec 2020	ONO-7018 (CTX-177)	Malignancies of lymphocytes (mucosa-associated lymphoid tissue lymphoma translocation protein 1 (MALT1) inhibitor)	Pre- clinical	Pre- clinical	Chordia Therapeutics, Japan (in-license/Global)
Feb 2021	ONO-7119 (RBN-2397)	Solid Tumors (Poly ADP-ribose polymerase 7 (PARP7) inhibitor)	I	I	Ribon Therapeutics, USA (in-license/JP, KR, TW & ASEAN)

### Collaboration with BMS for OPDIVO®

Start collaboration **Expand collaboration** in May 2005 in Sep 2011 **UltiMab OPDIVO® OPDIVO®** Human IP on PD-1 **Antibody Development** System<sup>®</sup> **Medarex** ONO **BMS** ONO **BMS Acquisition of** Royalty JP, KR & TW Medarex in July 2009 Worldwide except N America, Royalty JP, KR & TW Royalty Worldwide except N America **North America** Royalty Royalty **North America** 

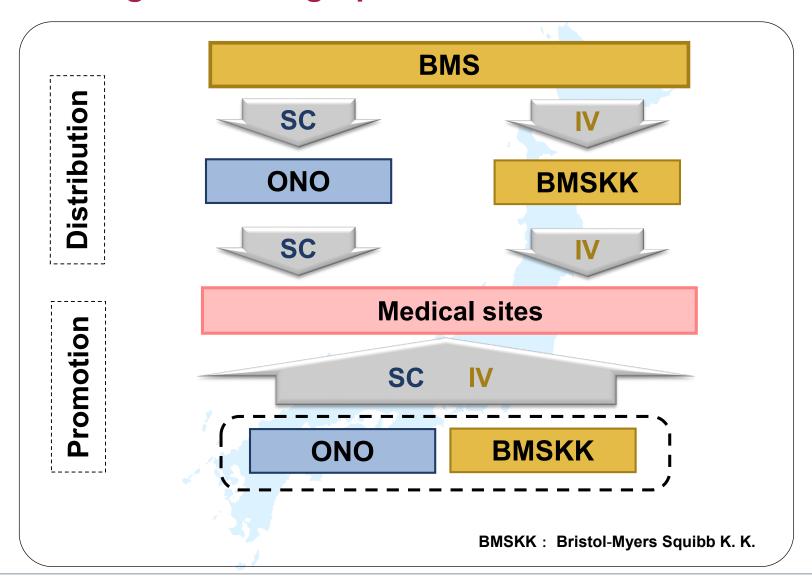
#### Strategic Alliance with BMS in JP, KR & TW

- To Strengthen Immuno-oncology Portfolio
   To Accelerate Combination Therapies



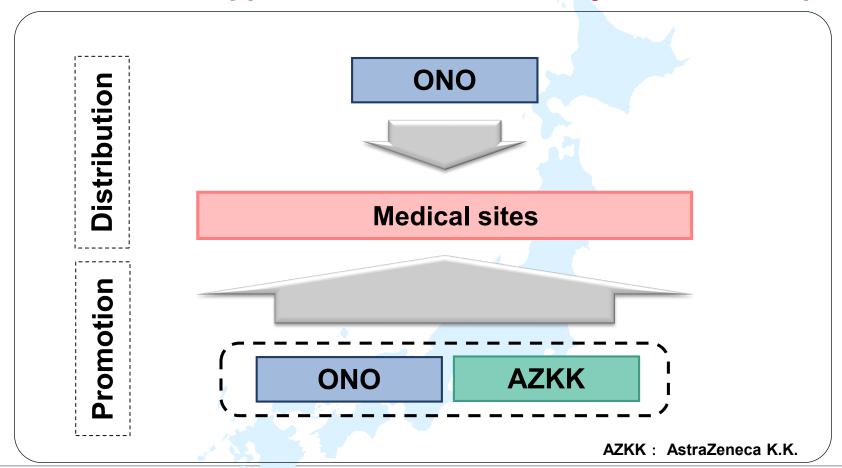
#### Collaboration with BMS for ORENCIA®

Novel Biologic Inhibiting Upstream Inflammation in RA



#### Collaboration with AstraZeneca for FORXIGA®

- The First SGLT-2 Inhibitor in the World for Type-2 Diabetes
- In 2019, additional approval for Type-1 diabetes in Japan
- In 2020, additional approval for Chronic Heart Failure in Japan
- In 2021, additional approval for Chronic Kidney Disease in Japan





Dedicated to the Fight against Disease and Pain