Annual Flash Report (unaudited) Fiscal Year ended March 31, 2016

Supplemental Information

Status of Development Pipeline

as of May 9, 2016

I. Main Pipelines Other than ONO-4538

i. Developments Status in Japan

Approved

- Proemend[®] for i.v. infusion (ONO-7847 / MK-0517)*1
 - Additional indication for pediatric use
 - Chemotherapy-induced nausea and vomiting in pediatric patients [NK1 receptor antagonist]
 - Injection • In-license (Merck & Co., Inc.)
- Orencia[®] SC (ONO-4164 / BMS-188667)*2 **Additional formulation**
 - Orencia® SC 125 mg Auto-injector 1 mL
 - Injection
 - In-license (Bristol-Myers Squibb Company)

Filed

- ONO-7057 / Carfilzomib
 - New chemical entities
 - Multiple Myeloma [Proteasome inhibitor]
 - Injection
 - In-license (Onyx Pharmaceuticals, Inc.)
 - ONO-5163 / AMG-416 / Etelcalcetide Hydrochloride New chemical entities
 - Secondary hyperparathyroidism [Calcium sensing receptor agonist]
 - Injection
 - In-license (Amgen Inc.)

- Ongoing clinical studies
 Orencia[®] IV (ONO-4164 / BMS-188667)
 Additional indication
 - - Juvenile Rheumatoid Arthritis [T-cell activation inhibitor] / Phase III
 - Injection
 - In-license (Bristol-Myers Squibb Company)
 - Orencia[®] IV (ONO-4164 / BMS-188667) Additional indication

 - Lupus nephritis[T-cell activation inhibitor]
 - / Pĥase IIÎ
 - Injection
 - In-license (Bristol-Myers Squibb Company)
 - Orencia[®] SC (ONO-4164 / BMS-188667) Additional indication

 - Rheumatoid Arthritis [T-cell activation inhibitor] / Phase III
 - Injection
 - In-license (Bristol-Myers Squibb Company) ONO-7057 / Carfilzomib
 - Additional Dosing Regimen and additional indication
 - Multiple Myeloma [Proteasome inhibitor] / Phase III Injection
 - In-license (Onyx Pharmaceuticals, Inc.)
- ONO-1162 / Ivabradine
 - New chemical entities
 - Chronic heart failure [If channel inhibitor]
 - / Phase III Tablet
 - In-license (Les Laboratoires Servier)
- Onoact[®] Intravenous Infusion 50 mg / 150 mg (ONO-1101)
 - Additional indication for pediatric use
 - Tachyarrhythmia in low cardiac function [Short acting beta 1 blocker] / Phase II/III
 - Injection
 - In-house

Ongoing clinical studies

- Onoact[®] Intravenous Infusion 50 mg / 150 mg (ONO-1101)
 - **Additional indication**
 - Ventricular arrhythmia [Short acting beta 1 blocker]
 - Phase II/III
 - Injection • In-house
- ONO-7643 / RC-1291 New chemical entities
 - Cancer anorexia/cachexia [Ghrelin mimetic]
 - / Phase II
 - Tablet
 - In-license (Helsinn Healthcare, S.A.)

ONO-6950

- New chemical entities
- Bronchial asthma [LT receptor antagonist] / Phase II
- Tablet
- In-house

ONO-2370 / Opicapone

- New chemical entities Parkinson's disease [Long acting COMT inhibitor]
- / Phase II
- Tablet
- In-license (Bial)
- ONO-5371 / Metyrosine
- New chemical entities
 - Pheochromocytoma [Tyrosine hydroxylase inhibitor] / Phase I/II
 - Capsule
 - In-license (Valeant Pharmaceuticals North America LLC.)
- **ONO-7268 MX1**
 - New chemical entities
 - Hepatocellular carcinoma [Therapeutic cancer
 - peptide vaccines] / Phase I
 - Injection
 - In-license (OncoTherapy Science, Inc.)
- **ONO-7268 MX2**
 - New chemical entities
 - Hepatocellular carcinoma [Therapeutic cancer
 - peptide vaccines] / Phase I

New chemical entities

New chemical entities

inhibitor] / Phase I

- Injection
- In-license (OncoTherapy Science, Inc.)
- ONO-2160/CD
 - New chemical entities
 - Parkinson's disease [levodopa pro-drug] / Phase I

B cell lymphoma [Bruton's tyrosine kinase (Btk)

Overactive bladder [bladder smooth muscle relaxant]

- Tablet
- In-house

Capsule • In-house

/ Phase I

In-house

Tablet

ONO-8577*3

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ONO-4059

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 announced on February 2, 2016 *1: Approval for a partial change in approved items of the manufacturing and marketing authorization of Proemend[®] for intravenous infusion was obtained in Japan for the treatment of chemotherapy-induced nausea and vomiting for pediatric patients.

*2: Orencia[®] SC was obtained in Japan for the manufacturing and marketing approval of subcutaneous injection 125 mg Autoinjector 1 mL.

*3: Phase I of ONO-8577 (bladder smooth muscle relaxant) was initiated for overactive bladder.

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

ii . Developments Status outside Japan

Ongoing clinical studies

ONO-6950

- New chemical entities
- Bronchial asthma [LT receptor antagonist] / Phase II Tablet
- USA
- In-house
- ONO-2952
 - New chemical entities
 - Irritable bowel syndrome [TSPO antagonist] / Phase II
 Tablet
 - Tablet
 - USA
- In-house ONO-9054*4
 - New chemical e
 - New chemical entities
 Glaucoma, ocular hypertension [PG receptor (FP / EP3) agonist] / Phase II
 - Eye drop
 - USA
 - Out-license (Santen Pharmaceutical Co., Ltd.)
 - ONO-4059
 - New chemical entities
 - B cell lymphoma [Bruton's tyrosine kinase (Btk) inhibitor] / Phase I
 - Capsule
 - USA & Europe
 - Out-license (Gilead Sciences, Inc.)
- **ONO-8055**

New chemical entities

- Underactive bladder [PG receptor (EP2 / EP3)
- agonist] / Phase I
- Tablet
- Europe
- In-house

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 announced on February 2, 2016 *4: A licensing agreement was entered with Santen Pharmaceutical Co., Ltd. to grant Santen exclusive right to manufacture, develop and commercialize globally ONO-9054, an FP and EP3 dual receptor agonist.

Note: "In-house" compounds include a compound generated from collaborative research.

In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

- ONO-1266
 - New chemical entities
 - Portal hypertension [S1P receptor antagonist] / Phase I
 - Capsule
 - USA
 - In-house
 - **ONO-4232**
 - New chemical entities
 - Acute heart failure [PG receptor (EP4) agonist]
 - / Phase I
 - Injection
 - UŠA
 - In-house
 - ONO-4474
 - New chemical entities
 Osteoarthritis [Tropomyosin receptor kinase (Trk)
 - inhibitor] / Phase I Capsule
 - CapsuleEurope
 - In-house

II. Main Pipelines ONO-4538 etc

i . Developments Status in Japan, South Korea, and Taiwan

Approved

Product Name / Development Code	Development Indications	Area	In-house / In-license
Opdivo [®] Intravenous Infusion (ONO-4538) /BMS-936558	Non-small cell lung cancer*1	South Korea	In-house (Co-development with Bristol- Myers Squibb Company)
	Melanoma*2	Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)
	Non-small cell lung cancer (Squamous)*2	Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 announced on February 2, 2016 *1: Approval for the partial change in approved items of the manufacturing and marketing approval for Opdivo[®] Intravenous Infusion was obtained in South Korea for the additional indication of locally advanced or metastatic non-small cell lung cancer refractory to existing chemotherapy.

refractory to existing chemotherapy. *2: The manufacturing and marketing approval for Opdivo[®] Intravenous Infusion was obtained in Taiwan for the treatment of unresectable or metastatic melanoma and metastatic squamous non-small cell lung cancer.

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

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Product Name / Development Code	Development Indications	Area	In-house / In-license
	Non-small cell lung cancer (Non- Squamous)	Taiwan*3	In-house (Co-development with Bristol- Myers Squibb Company)
Opdivo [®] Intravenous Infusion (ONO-4538) /BMS-936558	Renal cell carcinoma Japan Taiwan*3		In-house (Co-development with Bristol- Myers Squibb Company)
	Hodgkin's lymphoma*4	Japan	In-house (Co-development with Bristol- Myers Squibb Company)

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 amounced on February 2, 2016 *3: A supplemental application for approval for the additional indication of Opdivo[®] Intravenous Infusion was filed in Taiwan for the treatment of unresectable or metastatic renal cell carcinoma and previously treated non-squamous non-small cell lung cancer.

*4: A supplemental application for approval for the additional indication of Opdivo[®] Intravenous Infusion was filed in Japan for the treatment of relapsed or refractory Hodgkin's lymphoma.

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

Product Name / Development Code	Development Indications	Clinical Stage	Area	In-house / In-license
			Japan	In-house
	Head and neck cancer	Phase III	South Korea	(Co-development with Bristol-
Opdivo [®] Intravenous Infusion			Taiwan	Myers Squibb Company)
(ONO-4538)/BMS-936558			Japan	In-house
	Gastric cancer	Phase III	South Korea	(Co-development with Bristol-
			Taiwan	Myers Squibb Company)

Ongoing clinical studies

Product Name / Development Code	Development Indications	Clinical Stage	Area	In-house / In-license
	Esophageal cancer	Phase III	Japan South Korea Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)
	Small cell lung cancer	Phase III	Japan South Korea Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)
	Hepatocellular carcinoma	Phase III	Japan South Korea Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)
	Glioblastoma	Phase III	Japan	In-house (Co-development with Bristol- Myers Squibb Company)
	Urothelial cancer*5	Phase III	Japan South Korea Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)
Opdivo [®] Intravenous Infusion (ONO-4538) /BMS-936558	Ovarian cancer	Phase II	Japan	In-house (Co-development with Bristol- Myers Squibb Company)
	Solid tumor*6 (Cervical cancer, Endometrial cancer, Soft tissue sarcoma)	Phase II	Japan	In-house (Co-development with Bristol- Myers Squibb Company)
	Malignant pleural mesothelioma*7	Phase II	Japan	In-house (Co-development with Bristol- Myers Squibb Company)
	Virus- positive/negative solid tumor	Phase I/II	Japan South Korea Taiwan	In-house (Co-development with Bristol- Myers Squibb Company)
	Biliary tract cancer	Phase I	Japan	In-house (Co-development with Bristol- Myers Squibb Company)
Urelumab (ONO-4481) /BMS-663513	Solid tumor	Phase I	Japan	In-house (Co-development with Bristol- Myers Squibb Company)

Ongoing clinical studies

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 announced on February 2, 2016 *5: Phase III of Opdivo[®] Intravenous Infusion was initiated for the treatment of Urothelial cancer. *6: Phase II of Opdivo[®] Intravenous Infusion was initiated for the treatment of Solid tumor (Cervical cancer, Endometrial cancer, and Soft tissue sarcoma). *7: Phase II of Opdivo[®] Intravenous Infusion was initiated for the treatment of Malignant pleural mesothelioma.

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

ii . Developments Status in Europe and the United States

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Product Name / Development Code	Development Indications	Area	In-house / In-license
			In-house
Opdivo [®] Intravenous Infusion (ONO-4538) / BMS-936558	Renal cell carcinoma *8	Europe	(Co-development with Bristol-
			Myers Squibb Company)
	N		In-house
	Non-small cell lung cancer (Non-squamous) *9	Europe	(Co-development with Bristol-
			Myers Squibb Company)

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 announced on February 2, 2016 *8: Approval for the partial change in approved items of the manufacturing and marketing approval for Opdivo[®] Intravenous Infusion was obtained in Europe for the additional indication of previously treated advanced renal cell carcinoma. *9: Approval for the partial change in approved items of the manufacturing and marketing approval for Opdivo[®] Intravenous Infusion was obtained in Europe for the additional indication of locally advanced or metastatic non-squamous non-small cell lung cancer after prior chemotherapy.

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

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Product Name / Development Code	Development Indications	Area	In-house / In-license
Opdivo [®] Intravenous Infusion (ONO-4538) /BMS-936558	Hodgkin's lymphoma*10	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)

Changes from Third Quarter Flash Report for the Fiscal Year ending March 2016 announced on February 2, 2016 *10: A supplemental application for approval for the additional indication of Opdivo[®] Intravenous Infusion was filed in USA and Europe for the treatment of previously treated classical Hodgkin lymphoma.

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.

Product Name / Development Code	Development Indications	Clinical Stage	Area	In-house / In-license
	Head and neck cancer	Phase III	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Glioblastoma	Phase III	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
Opdivo [®] Intravenous Infusion	Small cell lung cancer	Phase III	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
(ONO-4538) / BMS-936558	Urothelial cancer	Phase III	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Hepatocellular carcinoma	Phase III	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Esophageal cancer	Esophageal cancer Phase III		In-house (Co-development with Bristol- Myers Squibb Company)

Ongoing clinical studies

Ongoing clinical studies				
Product Name / Development Code	Development Indications	Clinical Stage	Area	In-house / In-license
	Diffuse large B cell lymphoma	Phase II	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Follicular lymphoma	Phase II	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Colon cancer	Phase I/II	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
Opdivo [®] Intravenous Infusion (ONO-4538) / BMS-936558	Solid tumors (triple negative breast cancer, gastric cancer, pancreatic cancer, small cell lung cancer, urothelial cancer, ovarian cancer)	Phase I/II	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Virus-positive/negative solid tumor	Phase I/II	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Hematologic cancer (T-cell lymphoma, multiple myeloma, chronic leukemia, etc.)	Phase I	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Chronic myeloid leukemia	Phase I	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)
	Hepatitis C	Phase I	USA Europe	In-house (Co-development with Bristol- Myers Squibb Company)

Note: "In-house" compounds include a compound generated from collaborative research. In the case of clinical development of the anticancer compound in the same indication, the most advanced clinical phase is described.