

OncoMed Pharmaceuticals Inc

COMPANY AND PIPELINE OVERVIEW REPORT

Coverage of the company and a summary of the drug pipeline portfolio.

Publication Date: 01-Mar-2014

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GLOSSARY

Number of Drugs in Active Development

Number of drugs associated with the company or subsidiary that are currently in active development, i.e. the development status for the drug(s) is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Number of Inactive Drugs

Number of drugs associated with the company or subsidiary that are currently classified as inactive, i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.

Number of Patents as Owner

Number of patents associated with the company where the company is listed as owner; i.e. the relationship type (or way the patent refers to the company) is: Patent Assignee/Owner, Patent owner (not assignee), Licensee for development and marketing, Licensee – marketing only (Distributor), Patent assignee of family member, Inferred assignee.

Number of Patents as Third Party

Number of patents associated with the company where the company is listed as third party; i.e. the relationship type (or way the patent refers to the company) is: Patent assignee (not owner), Ex-Licensee for development and marketing, Ex-Licensee marketing only (Distributor), Customer of technology, Ex-Customer of technology, Patent opponent or infringer, Affiliate organization of inventor, Owner of underlying technology.

Patents summary table

This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

Number of Deals

A count of deals where the company or one of its subsidiaries is the primary company.

Key Indications

Displays top ten key indications for the company and its subsidiaries based on frequency (indications occurring with high and identical frequency are always included, and this may result in more than ten Key Indications being listed). Includes both indications associated with patents where the company is patent owner and indications associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Key Target-based Actions

Displays top ten key target-based actions for the company and its subsidiaries based on frequency (actions occurring with high and identical frequency are always included, and this may result in more than ten Key Target-based Actions being listed). Includes both target-based actions associated with patents where the company patent owner and target-based actions associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended. A target-based action is one that is associated with a target.

Key Technologies

Displays top ten key technologies for the company and its subsidiaries based on frequency (technologies occurring with high and identical frequency are always included, and this may result in more than ten Key Technologies being listed). Includes both key technologies associated with patents where the company relationship is patent owner and key technologies associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

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OncoMed Pharmaceuticals Inc

COMPANY OVERVIEW

Company Name	OncoMed Pharmaceuticals Inc
Parent Company Name	OncoMed Pharmaceuticals Inc
Website	http://www.oncomed.com/
Country	US
Number of Drugs in Active Development	8
Number of Inactive Drugs	0
Number of Patents as Owner	35
Number of Patents as Third Party	1
Number of Deals	12
Key Indications	Cancer, Solid tumor, Pancreas tumor, Colorectal tumor, Ovary tumor, Breast tumor, Lung tumor, Hematological neoplasm, Non-small-cell lung cancer, Small-cell lung cancer
Key Target-based Actions	Delta-like protein ligand 4 inhibitor, VEGF receptor antagonist, Notch-1 receptor antagonist, Notch-2 receptor antagonist, Notch-3 receptor antagonist, Frizzled-7 receptor antagonist, Frizzled-8 receptor antagonist, Leucine rich repeat containing protein modulator, Notch receptor modulator, RSPO3 gene inhibitor
Key Technologies	Biological therapeutic, Parenteral formulation unspecified, Infusion, Intravenous formulation, Monoclonal antibody humanized, Immunoglobulin-G, Monoclonal antibody human, Antibody, Monoclonal antibody, Drug combination, Peptide, Protein fusion, Small molecule therapeutic

COMPANY PROFILE

SUMMARY

OncoMed, established in 2004 and headquartered in Mountain View, CA, is a biotechnology company that discovers and develops mAbs and small molecules targeting biological pathways to destroy cancer stem cells.

LICENSING AGREEMENTS

In January 2010, OncoMed Pharmaceuticals and Fluidigm Corporation agreed to apply Fluidigm's microfluidic tools to the analysis of tumor cell heterogeneity. Financial details were undisclosed.

In June 2006, MorphoSys granted OncoMed Pharmaceuticals access to HuCAL GOLD antibody therapy use in cancer drug discovery programs. The agreement included an upfront payment and annual user fees. In June 2008, OncoMed exercised its option to extend its license agreement for MorphoSys' HuCAL GOLD antibody library and initiated development of two cancer stem cell therapeutic antibody programs.

EARLY R&D

In June 2010, Bayer Schering Pharma and OncoMed Pharmaceuticals were collaborating on the discovery, development and commercialization of cancer stem cell-based, Wnt signaling pathway-targeting, anticancer antibody, peptide, and small molecule therapeutics; the research would potentially include five compounds, including OncoMed's lead candidate OMP-18R5. Bayer also took on an additional project to discover and develop further anti-Wnt signalling small molecule therapeutics.

FINANCIAL

In May 2012, OncoMed planned to raise \$115 million from an IPO of its shares. The company would be listed on the NASDAQ under the ticker symbol 'OMED'. In July 2013, OncoMed reported its IPO would consist of 4.8 million shares priced at \$17.00 per share. Underwriters would be granted a 30-day option to buy 720,000 additional shares. Later that month, the initial public offering of 5,520,000 shares was completed and the underwriters exercised their option to purchase up to 720,000 additional shares of common stock; by that time, the company raised gross proceeds of \$94 million from the IPO. In December 2013, NASDAQ reported that, OncoMed would be added to the NASDAQ Biotechnology Index under the ticker symbol 'OMED', as a result of the annual re-ranking, which would become effective

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prior to market open on December 23, 2013.

In November 2008, OncoMed completed the final \$93 million tranche of its series B financing round. A total of \$154 million was raised from the financing.

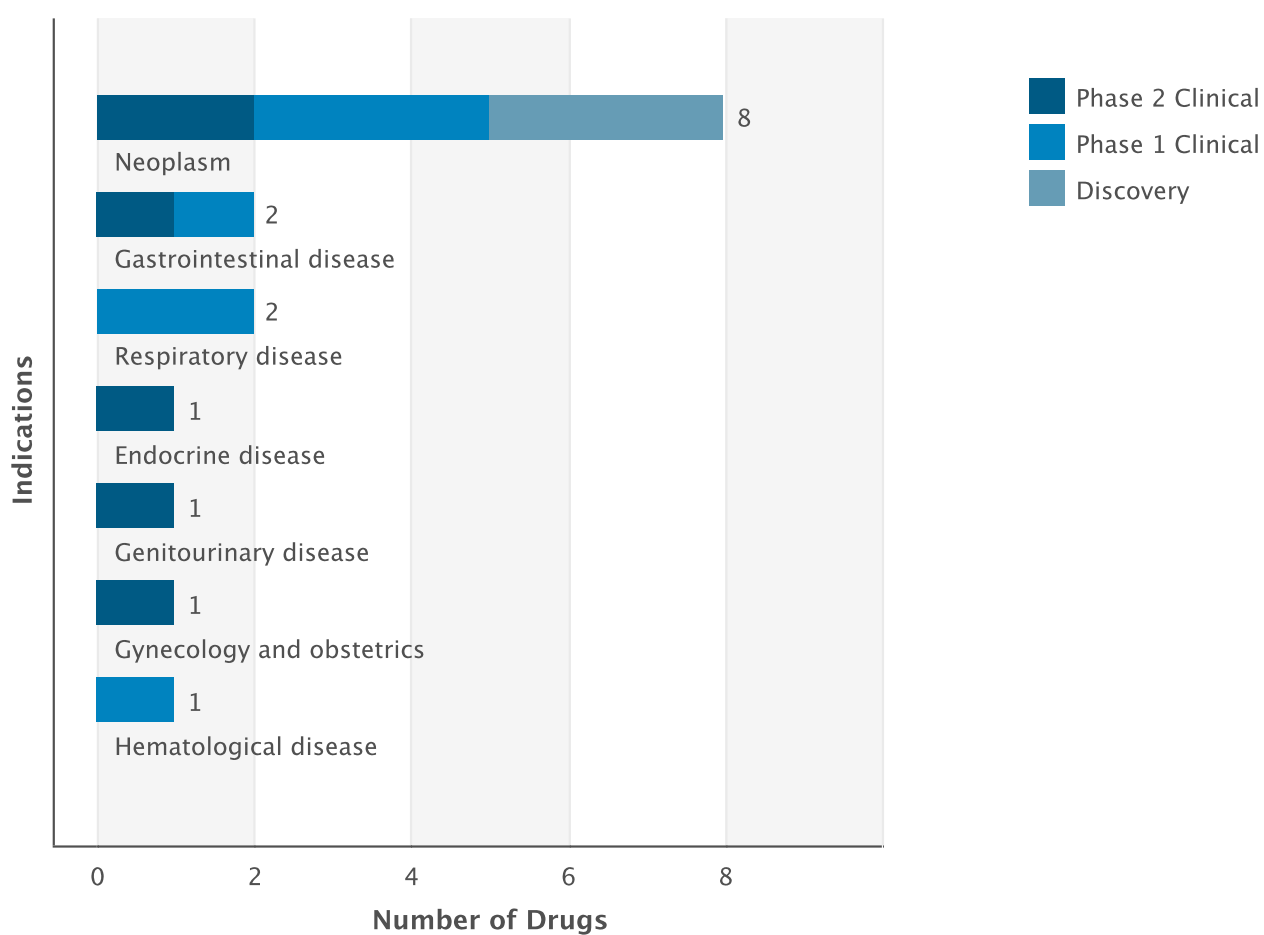
In September 2005, OncoMed raised \$13.9 million in a series A preferred stock financing.

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



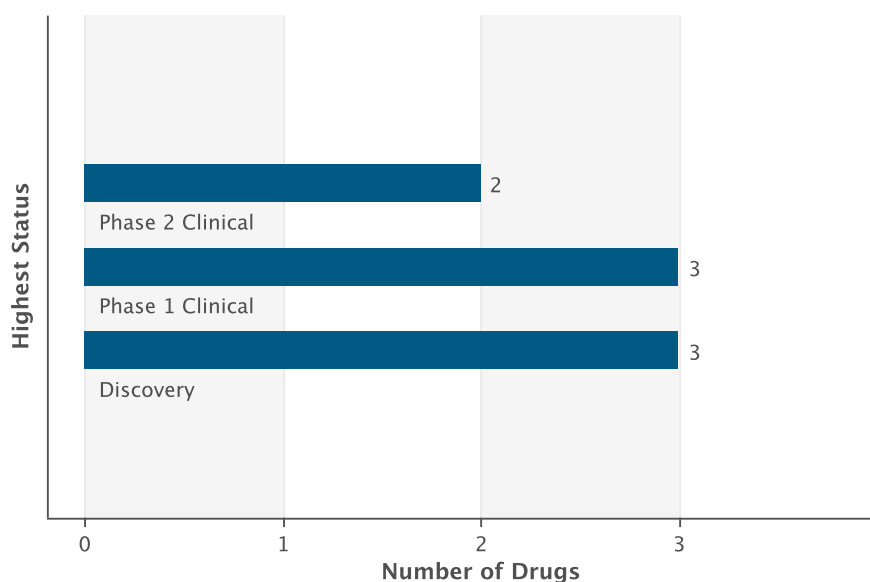
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Drugs by Indication Table

Indication	Active	Inactive	Total
Neoplasm	8	0	8
Gastrointestinal disease	2	0	2
Respiratory disease	2	0	2
Genitourinary disease	1	0	1
Hematological disease	1	0	1
Endocrine disease	1	0	1
Gynecology and obstetrics	1	0	1

Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	2
Phase 1 Clinical	3
Discovery	3

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DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	0	0	2	0	2
Drug - Funding	1	0	0	0	1
Drug - Early Research/Development	0	0	1	0	1
Drug - Development/Commercialization License	3	0	0	0	3
Drug - Manufacturing/Supply	0	0	1	0	1
Drug - Development Services	0	0	2	0	2
Technology - Delivery/Formulation	0	0	1	0	1
Technology - Target Validation	0	0	1	0	1

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Neoplasm	13	20
Gastrointestinal disease	5	9
Endocrine disease	5	9
Gynecology and obstetrics	2	4
Respiratory disease	3	3
Genitourinary disease	1	3
Immune disorder	1	1
Hematological disease	1	1

Trials by Phase

Phase	Ongoing	All
Phase 2	1	1
Phase 1	13	20

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

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Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

PATENTS *

Indication	As Owner	As Third Party	Total
Cardiovascular disease	2	0	2
Endocrine disease	20	0	20
Gastrointestinal disease	20	0	20
Genitourinary disease	16	0	16
Hematological disease	2	0	2
Andrology	10	0	10
Immune disorder	2	1	3
Musculoskeletal disease	0	1	1
Neoplasm	35	0	35
Neurological disease	1	1	2
Respiratory disease	15	0	15
Inflammatory disease	0	1	1
Gynecology and obstetrics	20	0	20
Dermatological disease	7	0	7

* This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

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PRODUCT PORTFOLIO DRUGS

PLEASE NOTE: Highest status refers to highest development of that drug for one of the active companies

demcizumab

Drug Name	demcizumab
Key Synonyms	demcizumab
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	OncoMed Pharmaceuticals Inc, Celgene Corp
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Non-small-cell lung cancer, Solid tumor, Pancreas tumor, Ovary tumor, Colorectal tumor, Cancer
Target-based Actions	Notch receptor modulator, Delta-like protein ligand 4 inhibitor
Other Actions	Angiogenesis inhibitor, Anticancer monoclonal antibody
Technologies	Monoclonal antibody humanized, Immunoglobulin-G, Intravenous formulation, Infusion, Biological therapeutic
Last Change Date	30-Jan-2014

OMP-59R5

Drug Name	OMP-59R5
Key Synonyms	tarextumab
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	OncoMed Pharmaceuticals Inc, GlaxoSmithKline plc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Pancreas tumor, Small-cell lung cancer, Solid tumor
Target-based Actions	Notch-3 receptor antagonist, Notch-2 receptor antagonist
Other Actions	Anticancer, Anticancer monoclonal antibody
Technologies	Monoclonal antibody human, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	23-Jan-2014

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OMP-54F28

Drug Name	OMP-54F28
Key Synonyms	ipafricept
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	Bayer Schering Pharma AG, OncoMed Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Solid tumor, Cancer
Target-based Actions	Frizzled-8 receptor antagonist
Other Actions	Anticancer, Stem cell inhibitor
Technologies	Intravenous formulation, Infusion, Biological therapeutic, Protein fusion
Last Change Date	21-Feb-2014

OMP-52M51

Drug Name	OMP-52M51
Key Synonyms	
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	GlaxoSmithKline plc, OncoMed Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Hematological neoplasm, Cancer, Solid tumor
Target-based Actions	Notch-1 receptor antagonist
Other Actions	Anticancer monoclonal antibody
Technologies	Monoclonal antibody humanized, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	15-Nov-2013

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vantictumab

Drug Name	vantictumab
Key Synonyms	vantictumab
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	OncoMed Pharmaceuticals Inc, Bayer Schering Pharma AG
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Cancer
Target-based Actions	Frizzled-7 receptor antagonist
Other Actions	Anticancer monoclonal antibody, Stem cell inhibitor
Technologies	Monoclonal antibody human, Immunoglobulin-G, Intravenous formulation, Infusion, Biological therapeutic
Last Change Date	05-Dec-2013

RSPO3-LGR pathway inhibitor (antibody, cancer), Oncomed

Drug Name	RSPO3-LGR pathway inhibitor (antibody, cancer), Oncomed
Key Synonyms	
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	OncoMed Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	RSPO3 gene inhibitor, Leucine rich repeat containing protein modulator
Other Actions	Anticancer antibody, Anticancer protein kinase inhibitor
Technologies	Antibody, Parenteral formulation unspecified
Last Change Date	04-Feb-2014

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anti-DLL4/VEGF bispecific mAb (cancer), Oncomed/Celgene

Drug Name	anti-DLL4/VEGF bispecific mAb (cancer), Oncomed/Celgene
Key Synonyms	
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	Celgene Corp, OncoMed Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	VEGF receptor antagonist, Delta-like protein ligand 4 inhibitor
Other Actions	Anticancer protein kinase inhibitor, Anticancer monoclonal antibody
Technologies	Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	19-Feb-2014

Wnt signalling pathway targeted small molecules (cancer), Oncomed/Bayer Schering Pharma

Drug Name	Wnt signalling pathway targeted small molecules (cancer), Oncomed/Bayer Schering Pharma
Key Synonyms	
Originator Company	OncoMed Pharmaceuticals Inc
Active Companies	Bayer Schering Pharma AG, OncoMed Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	
Other Actions	Anticancer
Technologies	Small molecule therapeutic
Last Change Date	09-Mar-2012

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