

## **Alder Biopharmaceuticals Inc**

### **COMPANY AND PIPELINE OVERVIEW REPORT**

A comprehensive coverage of the company and a summary of the drug pipeline portfolio.

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## ABOUT COMPANY AND PIPELINE OVERVIEW REPORT

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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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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**PLEASE NOTE:** the financials section where present in the report includes: Share Information, Stock Performance chart (including the consensus recommendation), and Major Shareholders. Financial Performance presents graphical and tabular data on Worldwide Sales, Operating Income and Net Income over time, together with a Quarterly earnings update. Balance Sheet lists Assets, Liabilities and Stockholders Equity, and Forecasts includes: EPS Forecast and Other Forecasts. The data reported in all sections (except share information and major stock holders) are correct as of the publication date of the report (and not the download date). For share information and major stock holders the data is correct for the date shown with these sections

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# Alder Biopharmaceuticals Inc

## COMPANY OVERVIEW

Company Name	Alder Biopharmaceuticals Inc
Parent Company Name	Alder Biopharmaceuticals Inc
Website	http://www.alderbio.com/
Country	US
Number of Drugs in Active Development	3
Number of Inactive Drugs	6
Number of Patents as Owner	18
Number of Patents as Third Party	0
Number of Deals	3
Key Indications	Rheumatoid arthritis, Anemia, Cachexia, Fatigue, Graft versus host disease, Migraine, Pain, Psoriatic arthritis, Crohns disease, Oral mucositis
Key Target-based Actions	Hepatocyte growth factor antagonist, NGF receptor antagonist, IL-6 antagonist, CGRP receptor antagonist, Proprotein convertase PC9 inhibitor, Interleukin-6 ligand inhibitor, Albumin agonist, C-reactive protein inhibitor, Albumin modulator, C-reactive protein modulator, CD126 antagonist, CGRP receptor agonist, Cytokine receptor agonist, Hepatocyte growth factor agonist, Interferon antagonist, Jak1 tyrosine kinase inhibitor, Jak2 tyrosine kinase inhibitor, Jak3 tyrosine kinase inhibitor, LDL receptor agonist, MAP kinase inhibitor, NGF receptor agonist, Proprotein convertase PC9 stimulator, STAT-3 inhibitor, Syk tyrosine kinase inhibitor, TNF alpha ligand, Triosephosphate dehydrogenase modulator, p38 MAP kinase inhibitor
Key Technologies	Biological therapeutic, Monoclonal antibody humanized, Parenteral formulation unspecified, Monoclonal antibody, Protein recombinant, Intravenous formulation, Subcutaneous formulation, Infusion, Antibody fragment, Antibody

## COMPANY PROFILE

### SUMMARY

Alder Biopharmaceuticals Inc, founded in January 2004, is focused on the identification, development and manufacture of antibody therapeutics for cancer, inflammatory, autoimmune and cardiovascular diseases.

### LICENSING AGREEMENTS

In December 2005, Alder agreed to identify and manufacture Schering-Plough's antibody therapeutics. Using its yeast production system and high throughput antibody selection technology, Alder would work on up to ten Schering-Plough antibodies. Alder would receive milestone payments, research support and royalties. In June 2009, the agreement was expanded to include candidates with potential applications to central nervous system disorders. Alder would receive an upfront payment, milestones, royalties and committed funding for Alder personnel engaged in the project.

In November 2005, Alder agreed to use its yeast production system to produce research materials for one of Seattle Genetics' preclinical therapeutic antibodies.

### FINANCIAL

In June 2014, the company was added to the Russell 3000 Index.

In May 2014, the company announced the pricing of its initial public offering of 8 million shares of its common stock at a price of \$10 per share. The shares had begun trading on the NASDAQ Global Market under the ticker symbol "ALDR". Alder had granted the underwriters a 30-day option to buy up to 1.2 million additional shares of common stock at the initial public offering price to cover over-allotments, if any. The offering was expected to close on May 13, 2014. Later that month, the offering was closed and the company raised net proceeds of \$80.1 million from the sale of an aggregate of 8,875,396 shares of its common stock, including 875,396 shares pursuant to the partial exercise of the underwriters' over-allotment option.

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In April 2012, the company closed a \$38 million series D financing.

In January 2007, Alder raised \$40 million from a series C financing round.

In July 2006, Alder raised \$16 million in a series B financing round.

In August 2005, Alder raised \$11.1 million in a series A financing.

SUBSIDIARY COMPANIES

Names
AlderBio Holdings LLC

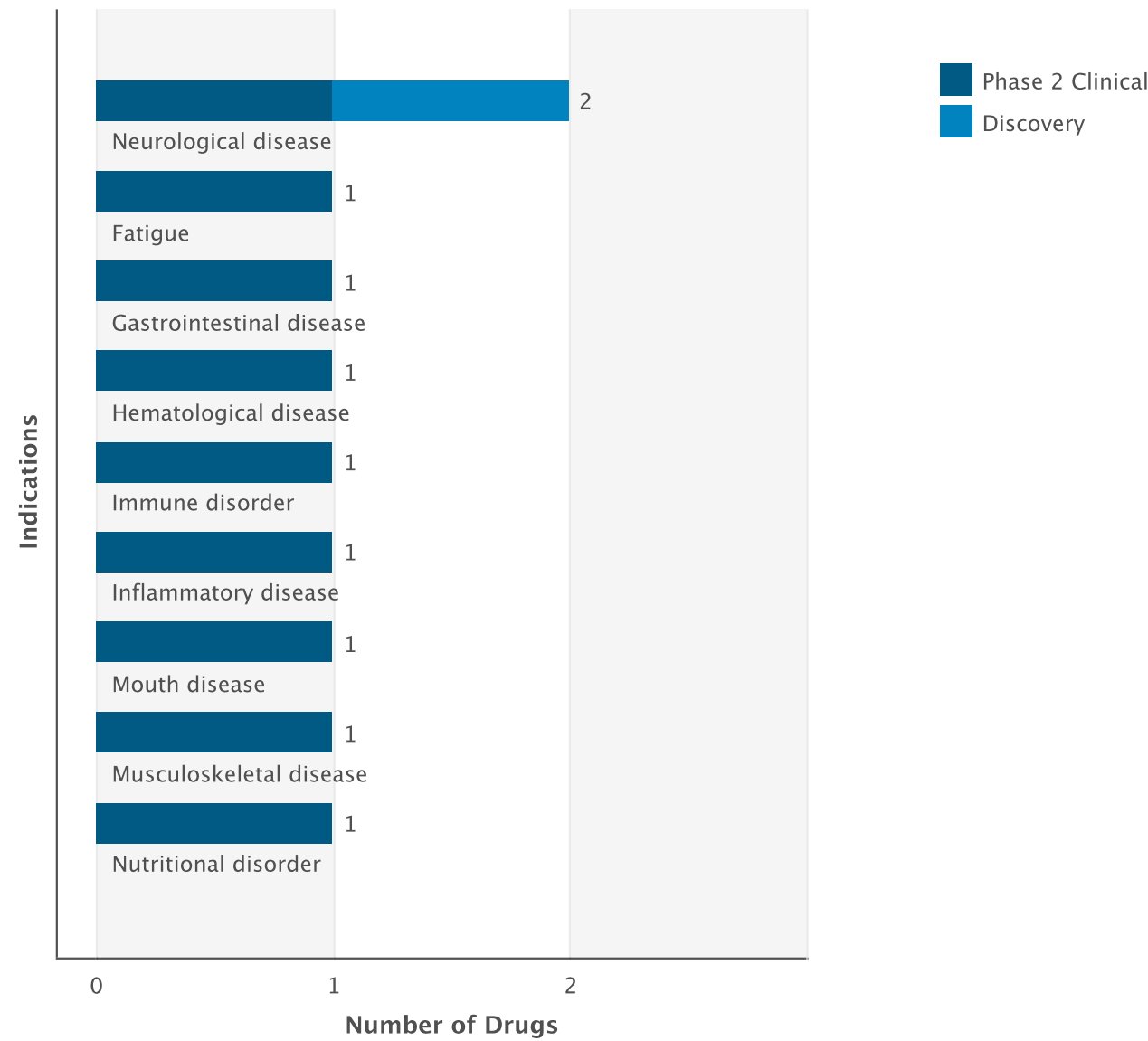
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PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



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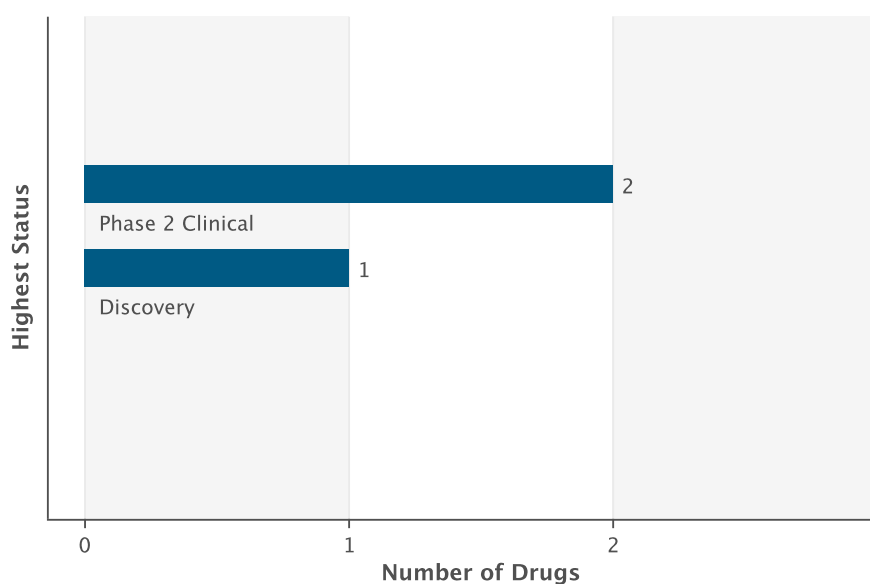


## Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	2	1	3
Neoplasm	0	2	2
Hematological disease	1	1	2
Inflammatory disease	1	1	2
Fatigue	1	0	1
Cardiovascular disease	0	1	1
Metabolic disorder	0	1	1
Nutritional disorder	1	0	1
Musculoskeletal disease	1	0	1
Immune disorder	1	0	1
Gastrointestinal disease	1	0	1
Mouth disease	1	0	1

## Drugs by Highest Status

### Active Drugs by Highest Status Chart



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## Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	2
Discovery	1
No Development Reported	6

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	1	0	0	0	1
Drug - Screening/Evaluation	1	0	0	0	1
Drug - Development/Commercialization License	1	0	0	0	1

## CLINICAL TRIALS

### Trials by Condition Studied

Condition Studied	Ongoing	All
Neurological disease	1	4
Nutritional disorder	0	3
Immune disorder	0	3
Fatigue	0	2
Neoplasm	0	2
Musculoskeletal disease	0	2
Inflammatory disease	0	2
Respiratory disease	0	1
Hematological disease	0	1
Mouth disease	0	1

### Trials by Phase

Phase	Ongoing	All
Phase 2	1	5
Phase 1	0	6

### Phase Definitions

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**Phase 3 Clinical**

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

**Phase 2 Clinical**

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	5	0	5
Endocrine disease	4	0	4
Gastrointestinal disease	7	0	7
Genitourinary disease	2	0	2
Growth disorder	1	0	1
Hematological disease	3	0	3
Degeneration	3	0	3
Immune disorder	6	0	6
Psychiatric disorder	1	0	1
Musculoskeletal disease	6	0	6
Neoplasm	10	0	10
Ocular disease	2	0	2
Metabolic disorder	3	0	3
Neurological disease	5	0	5
Nutritional disorder	5	0	5
Respiratory disease	3	0	3
Infectious disease	4	0	4
Injury	1	0	1
Inflammatory disease	7	0	7
Fatigue	3	0	3
Temperature disorder	1	0	1

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Dermatological disease	1	0	1
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\* 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

### clazakizumab

<b>Drug Name</b>	clazakizumab
<b>Key Synonyms</b>	clazakizumab
<b>Originator Company</b>	Alder Biopharmaceuticals Inc
<b>Active Companies</b>	Alder Biopharmaceuticals Inc
<b>Inactive Companies</b>	Bristol-Myers Squibb Co
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Anemia, Oral mucositis, Graft versus host disease, Cachexia, Fatigue, Crohns disease, Psoriatic arthritis, Rheumatoid arthritis
<b>Target-based Actions</b>	IL-6 antagonist
<b>Other Actions</b>	Anti-inflammatory
<b>Technologies</b>	Monoclonal antibody humanized, Subcutaneous formulation, Intravenous formulation, Infusion, Biological therapeutic, Protein recombinant
<b>Last Change Date</b>	03-Dec-2014

### ALD-403

<b>Drug Name</b>	ALD-403
<b>Key Synonyms</b>	
<b>Originator Company</b>	Alder Biopharmaceuticals Inc
<b>Active Companies</b>	Alder Biopharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Migraine
<b>Target-based Actions</b>	CGRP receptor antagonist
<b>Other Actions</b>	
<b>Technologies</b>	Monoclonal antibody humanized, Subcutaneous formulation, Intravenous formulation, Infusion, Biological therapeutic, Protein recombinant
<b>Last Change Date</b>	12-Dec-2014

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## ALD-906

<b>Drug Name</b>	ALD-906
<b>Key Synonyms</b>	
<b>Originator Company</b>	Alder Biopharmaceuticals Inc
<b>Active Companies</b>	Alder Biopharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Pain
<b>Target-based Actions</b>	NGF receptor antagonist
<b>Other Actions</b>	Analgesic
<b>Technologies</b>	Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified
<b>Last Change Date</b>	22-Nov-2012

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