

## **ChemoCentryx 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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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# ChemoCentryx Inc

## COMPANY OVERVIEW

Company Name	ChemoCentryx Inc
Parent Company Name	ChemoCentryx Inc
Website	http://www.chemocentryx.com/
Country	US
Number of Drugs in Active Development	9
Number of Inactive Drugs	12
Number of Patents as Owner	53
Number of Patents as Third Party	0
Number of Deals	4
Key Indications	Autoimmune disease, Inflammatory disease, Inflammatory bowel disease, Rheumatoid arthritis, Restenosis, Multiple sclerosis, Vasculitis, Atopic dermatitis, Cancer, Metabolic disorder, Non-insulin dependent diabetes
Key Target-based Actions	CCR1 chemokine antagonist, CCR9 chemokine antagonist, CCR2 chemokine antagonist, CXCR7 chemokine antagonist, Complement C5a receptor antagonist, Chemokine receptor-like 1 antagonist, CCR4 chemokine antagonist, CD11b antagonist, CXCR3 chemokine antagonist, CXCR4 chemokine antagonist, CXCR6 chemokine antagonist
Key Technologies	Small molecule therapeutic, Oral formulation, Capsule formulation, Systemic formulation unspecified, Crystalline form, Analytical method, Antibody, Diagnostic method, Drug screening, Fluorescence, Imaging, Immunodetection, Monoclonal antibody humanized, Peptide, Radiolabeling

## COMPANY PROFILE

### SUMMARY

ChemoCentryx is a private technology and drug discovery company located in the US, and is committed to the R&D of orally-delivered small molecule therapeutics for infectious and inflammatory diseases based on the biology of chemokines and chemokine receptors.

Initial funding for the company was provided through a Research, Collaborative and Investment Agreement with Techno Corp and their subsidiary, R&D Systems. Major non-dilutive support has also been obtained through the Defense Advanced Research Program through two separate grants.

### LICENSING AGREEMENTS

In August 2006, GlaxoSmithKline (GSK) and ChemoCentryx joined forces to develop drugs targeting chemokine and chemoattractant receptors for the treatment of inflammatory disorders. The deal included CCX-282, for which ChemoCentryx retained an option to codevelop and comarket to US specialists. ChemoCentryx would receive \$63.5 million in cash and series D financing upfront, research funding, up to \$1.5 billion in milestone payments and double-digit royalties.

### EARLY R&D

By April 2008, the company was evaluating compounds targeting chemokine receptors such as CCR5, CCR10, CCR12 and CXCR2 for preclinical development.

### FINANCIAL

In February 2012, the company priced an IPO of 4.5 million shares at \$10.00 per share, and underwriters were granted a 30-day option to purchase an additional 0.675 million shares, to cover overallocments. The shares would begin trading on the NASDAQ Global Market under 'CCXI' symbol from February 08, 2012. At that time, the offering was expected to close on February 13, 2012; the offering was completed later in February 2012; at that time, the company raised \$63.7 million gross proceeds from the private placement. Net proceeds raised were \$57 million.

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In June 2006, ChemoCentryx completed a series C financing, raising \$17.7 million.

In June 2004, ChemoCentryx announced that it had closed a private financing round raising gross proceeds of \$33 million. HBM BioVentures and Alta Partners acted as significant new investors in the round.

#### **R&D GRANTS**

In October 2003, the NIAID awarded ChemoCentryx a \$14 million grant to develop first-in-class immune modulatory agents targeting chemokine receptors, for the prevention and treatment of infectious diseases that may be caused by biological warfare pathogens.

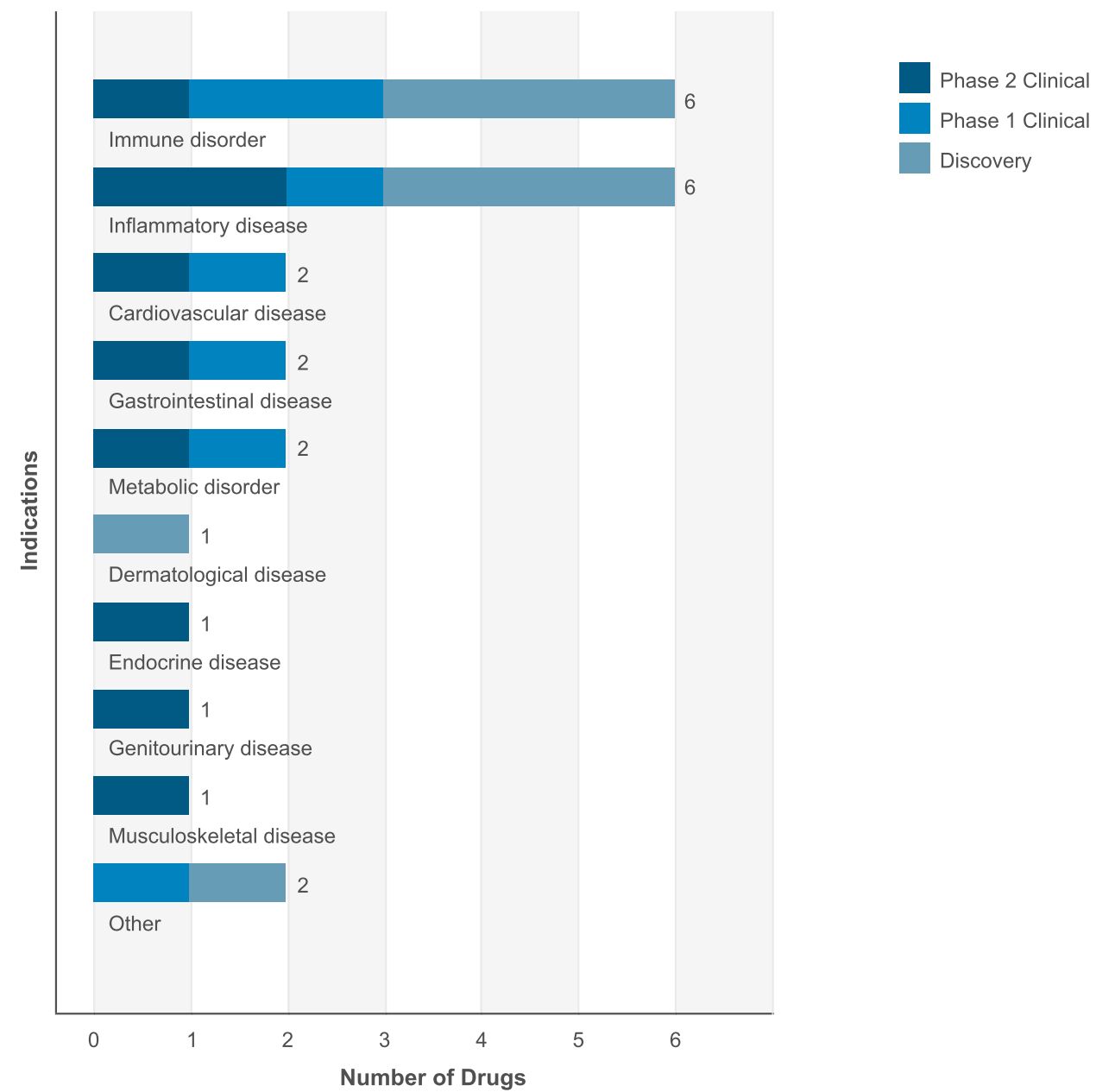
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PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



Drugs by Indication Table

Indication	Active	Inactive	Total
Inflammatory disease	6	7	13

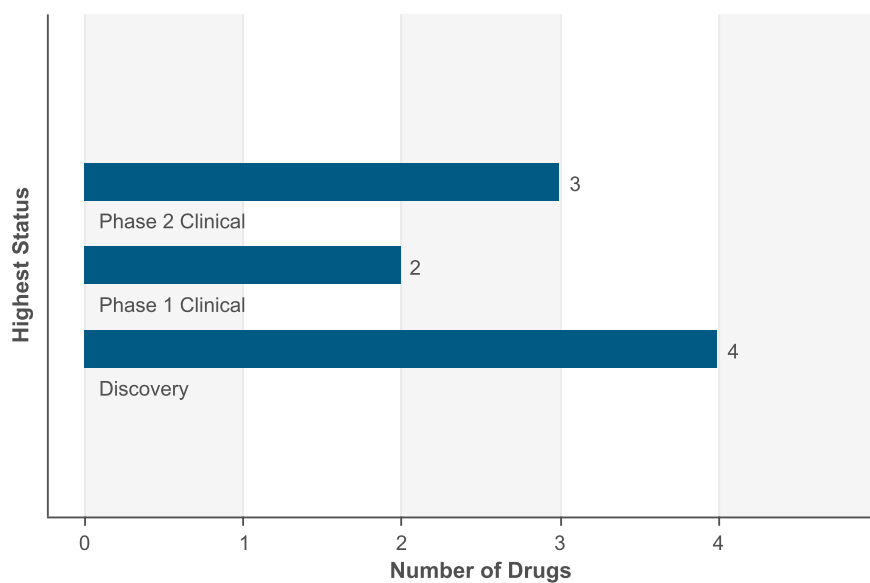
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Immune disorder	6	6	12
Gastrointestinal disease	2	3	5
Neoplasm	1	3	4
Dermatological disease	1	2	3
Neurological disease	1	2	3
Metabolic disorder	2	1	3
Cardiovascular disease	2	1	3
Musculoskeletal disease	1	1	2
Infectious disease	0	1	1
Respiratory disease	1	0	1
Hematological disease	0	1	1
Endocrine disease	1	0	1
Genitourinary disease	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	3

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Phase 1 Clinical	2
Discovery	4
Discontinued	2
No Development Reported	9

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Early Research/Development	0	0	1	0	1
Drug - Development/Commercialization License	1	0	0	0	2
Drug - Commercialization License	1	0	0	0	1

## CLINICAL TRIALS

### Trials by Condition Studied

Condition Studied	Ongoing	All
Inflammatory disease	1	13
Immune disorder	0	10
Gastrointestinal disease	1	9
Metabolic disorder	1	4
Cardiovascular disease	1	3
Endocrine disease	1	3
Musculoskeletal disease	0	3
Neurological disease	0	2
Genitourinary disease	2	2

### Trials by Phase

Phase	Ongoing	All
Phase 3	0	1
Phase 2	3	8
Phase 1	0	9

### Phase Definitions

#### Phase 3 Clinical

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

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**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	24	0	24
Endocrine disease	12	0	12
Gastrointestinal disease	24	0	24
Genitourinary disease	4	0	4
Hematological disease	7	0	7
Degeneration	8	0	8
Andrology	1	0	1
Immune disorder	38	0	38
Musculoskeletal disease	29	0	29
Neoplasm	30	0	30
Ocular disease	3	0	3
Metabolic disorder	14	0	14
Neurological disease	24	0	24
Nutritional disorder	5	0	5
Prophylaxis	2	0	2
Respiratory disease	23	0	23
Infectious disease	24	0	24
Injury	2	0	2
Inflammatory disease	46	0	46
Otorhinolaryngological disease	1	0	1
Gynecology and obstetrics	2	0	2
Dermatological disease	23	0	23

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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.

## PRODUCT PORTFOLIO DRUGS

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

### CCX-354

<b>Drug Name</b>	CCX-354
<b>Key Synonyms</b>	
<b>Originator Company</b>	ChemoCentryx Inc
<b>Active Companies</b>	GlaxoSmithKline plc, ChemoCentryx Inc
<b>Inactive Companies</b>	Forest Laboratories Inc
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Rheumatoid arthritis
<b>Target-based Actions</b>	CCR1 chemokine antagonist
<b>Other Actions</b>	Anti-inflammatory, Leukocyte infiltration inhibitor
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	14-Jun-2012

### CCX-140

<b>Drug Name</b>	CCX-140
<b>Key Synonyms</b>	
<b>Originator Company</b>	ChemoCentryx Inc
<b>Active Companies</b>	ChemoCentryx Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Non-insulin dependent diabetes, Diabetic nephropathy, Multiple sclerosis, End stage renal disease, Restenosis
<b>Target-based Actions</b>	CCR2 chemokine antagonist
<b>Other Actions</b>	Anti-inflammatory, Hypoglycemic agent
<b>Technologies</b>	Oral formulation, Capsule formulation, Small molecule therapeutic
<b>Last Change Date</b>	28-Nov-2012

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### CCX-168

<b>Drug Name</b>	CCX-168
<b>Key Synonyms</b>	
<b>Originator Company</b>	ChemoCentryx Inc
<b>Active Companies</b>	GlaxoSmithKline plc, ChemoCentryx Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Inflammatory disease, Autoimmune disease, Vasculitis
<b>Target-based Actions</b>	Complement C5a receptor antagonist, CD11b antagonist
<b>Other Actions</b>	Anti-inflammatory
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	15-Jun-2012

### CCX-872

<b>Drug Name</b>	CCX-872
<b>Key Synonyms</b>	
<b>Originator Company</b>	ChemoCentryx Inc
<b>Active Companies</b>	ChemoCentryx Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 1 Clinical
<b>Active Indications</b>	Metabolic disorder
<b>Target-based Actions</b>	CCR2 chemokine antagonist
<b>Other Actions</b>	
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	28-Nov-2012

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## CCX-507

Drug Name	CCX-507
Key Synonyms	
Originator Company	ChemoCentryx Inc
Active Companies	ChemoCentryx Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Inflammatory bowel disease
Target-based Actions	CCR9 chemokine antagonist
Other Actions	Anti-inflammatory
Technologies	Systemic formulation unspecified, Small molecule therapeutic
Last Change Date	09-Jan-2013

## CXCR7 antagonists, ChemoCentryx

Drug Name	CXCR7 antagonists, ChemoCentryx
Key Synonyms	
Originator Company	ChemoCentryx Inc
Active Companies	ChemoCentryx Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Glioblastoma, Cancer, Inflammatory disease
Target-based Actions	CXCR7 chemokine antagonist
Other Actions	Anticancer, Anti-inflammatory, Angiogenesis inhibitor
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	12-Sep-2012

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### CXCR6 antagonist (oral, inflammatory/autoimmune diseases), ChemoCentryx

<b>Drug Name</b>	CXCR6 antagonist (oral, inflammatory/autoimmune diseases), ChemoCentryx
<b>Key Synonyms</b>	
<b>Originator Company</b>	ChemoCentryx Inc
<b>Active Companies</b>	ChemoCentryx Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Inflammatory disease, Autoimmune disease
<b>Target-based Actions</b>	CXCR6 chemokine antagonist
<b>Other Actions</b>	Anti-inflammatory
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	13-Sep-2012

### CCR4 antagonist (oral, pulmonary diseases/atopic dermatitis/autoimmune disease), ChemoCentryx

<b>Drug Name</b>	CCR4 antagonist (oral, pulmonary diseases/atopic dermatitis/autoimmune disease), ChemoCentryx
<b>Key Synonyms</b>	
<b>Originator Company</b>	ChemoCentryx Inc
<b>Active Companies</b>	ChemoCentryx Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Lung disease, Autoimmune disease, Atopic dermatitis
<b>Target-based Actions</b>	CCR4 chemokine antagonist
<b>Other Actions</b>	Dermatological agent, Anti-inflammatory
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	13-Sep-2012

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CCR1 antagonists (autoimmune diseases), ChemoCentryx

Drug Name	CCR1 antagonists (autoimmune diseases), ChemoCentryx
Key Synonyms	
Originator Company	ChemoCentryx Inc
Active Companies	ChemoCentryx Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Autoimmune disease
Target-based Actions	CCR1 chemokine antagonist
Other Actions	Chemotaxis inhibitor
Technologies	Small molecule therapeutic
Last Change Date	04-Jun-2012

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