

Chimerix Inc

COMPANY AND PIPELINE OVERVIEW REPORT

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

Publication Date: 12-Dec-2012

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

Company Name	Chimerix Inc
Parent Company Name	Chimerix Inc
Website	http://www.chimerix.com/
Country	US
Number of Drugs in Active Development	7
Number of Inactive Drugs	4
Number of Patents as Owner	16
Number of Patents as Third Party	1
Number of Deals	9
Key Indications	Cytomegalovirus infection,Adenovirus infection,BK virus infection,Influenza virus infection,Polyomavirus infection,DNA virus infection,Dengue virus infection,Hepatitis,Mycobacterium tuberculosis infection,Plasmodium infection,Respiratory syncytial virus infection,Variola virus infection
Key Target-based Actions	Hepatitis C virus NS5B polymerase inhibitor,Cytochrome P450 reductase inhibitor,P-Glycoprotein inhibitor,Acetaldehyde dehydrogenase stimulator,B-lymphocyte antigen CD20 stimulator,BCL2 gene inhibitor,Cytosine deaminase stimulator,Glutathione S-transferase stimulator,Homeobox protein NANOG stimulator,Integrin alpha-4/beta-1 antagonist,P-Glycoprotein 3 stimulator,POU domain 5 transcription factor 1 stimulator,SOX transcription factor 2 stimulator
Key Technologies	Small molecule therapeutic,Oral formulation,Parenteral formulation unspecified,Prodrug,Lipid,Nucleotide and derivatives,Oral sustained release formulation,Drug combination,Adult stem cell therapy,Antibody,Chemical purification,Condensational synthesis,Crystalline form,Dermatological formulation,Drug implant,Embryonic stem cell therapy,Hydrolytic synthesis,Oligonucleotide,Ophthalmic gel formulation,Pluripotent stem cell therapy,Salt synthesis

COMPANY PROFILE

SUMMARY

Chimerix Inc began operations in the third quarter of 2002, to commercialize the proprietary chemistry developed in the laboratory of Dr Karl Hostetler at the University of California San Diego and the Veterans Administration Hospital in San Diego, CA. The company uses its proprietary lipid conjugate technology to enhance the oral availability and delivery of antiviral drugs to improve dosing parameters, broaden therapeutic applications and decrease the risk of adverse reactions. Chimerix intends to develop drug candidates through proof-of-concept clinical trials before seeking to outlicense clinical candidates to pharmaceutical companies for late stage clinical trials, distribution, and marketing.

LICENSING AGREEMENTS

In May 2006, Chimerix acquired Dr Leroy Townsend's chemical lead antiviral and oncology compound library from the University of Michigan. The company would add promising compounds to its technology platform, or license them to other pharmaceutical and biotechnology companies.

EARLY R&D

By May 2010, the company was also investigating compounds for malaria and dengue fever.

By August 2009, the company was investigating hepatitis C virus (HCV), respiratory syncytial virus (RSV) and influenza programs.

By May 2004, Chimerix was using its technology to create drug candidates for hepatitis C virus infection from known inhibitors of the viral polymerase.

FINANCIAL

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In February 2011, the company raised \$45 million from the closing of a series F financing.

In August 2009, Chimerix raised \$16.1 million from the closing of a series E financing.

In February 2007, Chimerix raised \$23.1 million from the private placement of series D preferred stock.

In November 2004, Chimerix raised \$11 million private placement of its series C preferred stock. The funds would augment a grant from the NIH for \$36.1 million awarded to Chimerix for the development of CMX-001 and would allow the company to accelerate its cytomegalovirus infection, multi-drug resistant HIV-1 infection and viral hepatitis programs.

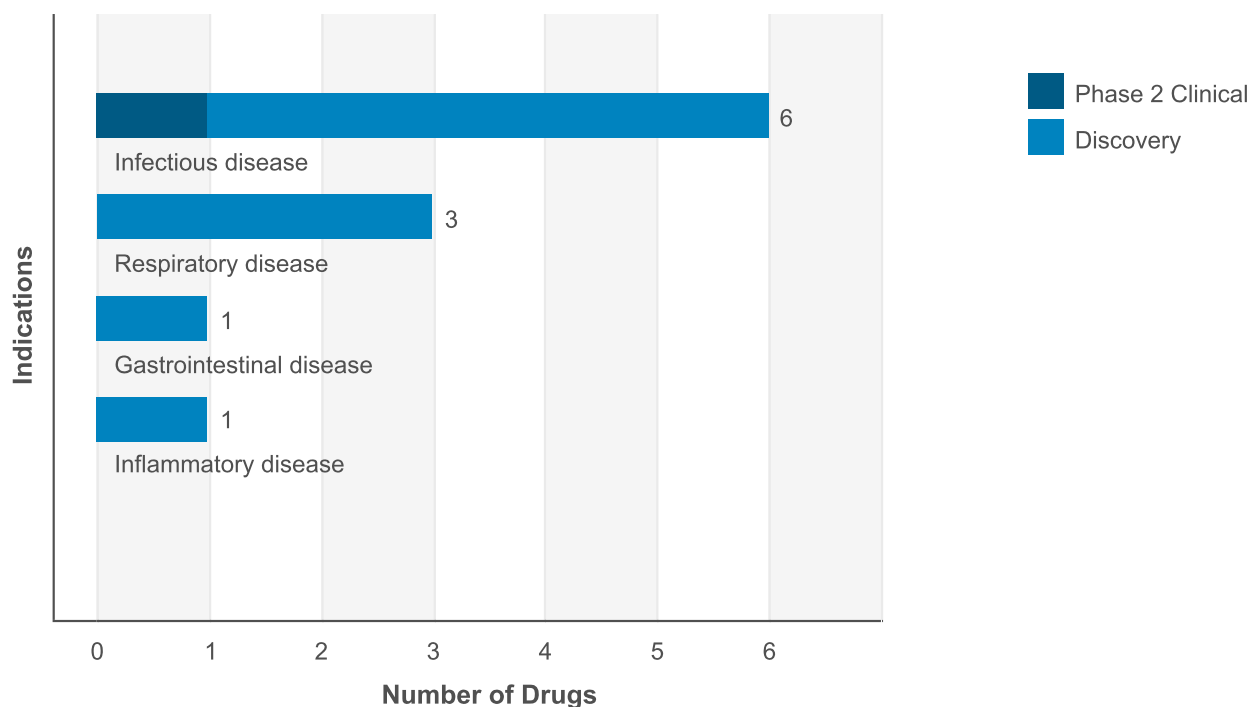
In September 2003, Chimerix closed a \$3.1 million preferred stock private financing. The funds were to be used to support Chimerix's drug development programs for HIV and HCV, and to continue to support the company's R&D activities.

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



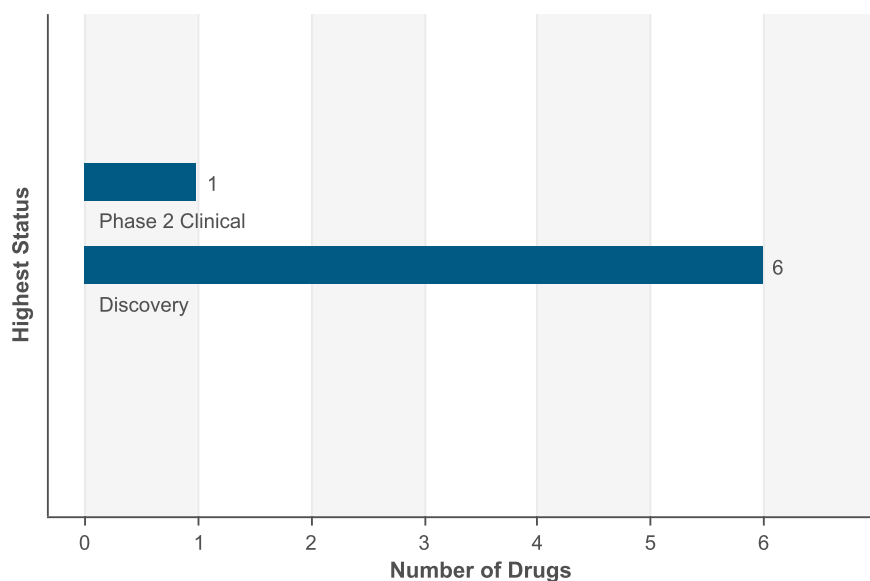
Drugs by Indication Table

Indication	Active	Inactive	Total
Infectious disease	6	4	10
Respiratory disease	3	0	3
Gastrointestinal disease	1	2	3
Inflammatory disease	1	2	3

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Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	1
Discovery	6
Discontinued	1
No Development Reported	3

DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	3	0	0	0	3
Drug - Asset Divestment	0	0	1	0	1
Drug - CRADA	1	0	0	0	1
Drug - Screening/Evaluation	1	0	0	0	1
Drug - Early Research/Development	1	0	0	0	1
Drug - Development/Commercialization License	1	0	1	0	2

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CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Infectious disease	1	9
Gastrointestinal disease	0	1
Inflammatory disease	0	1

Trials by Phase

Phase	Ongoing	All
Phase 2	1	3
Phase 1	0	5
Phase not specified	0	1

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

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
Immune disorder	3	1	4
Neoplasm	3	1	4
Ocular disease	1	0	1
Metabolic disorder	0	1	1
Neurological disease	1	1	2
Degeneration	1	0	1
Andrology	2	0	2
Cardiovascular disease	0	1	1
Endocrine disease	2	1	3
Genitourinary disease	3	0	3

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Fatigue	1	0	1
Surgical procedure	0	1	1
Gastrointestinal disease	5	1	6
Hematological disease	2	1	3
Musculoskeletal disease	1	0	1
Respiratory disease	2	0	2
Infectious disease	16	0	16
Inflammatory disease	5	0	5
Gynecology and obstetrics	1	0	1

* 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

CMX-001

Drug Name	CMX-001
Key Synonyms	
Originator Company	Chimerix Inc
Active Companies	Chimerix Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Adenovirus infection, Cytomegalovirus infection, DNA virus infection, Variola virus infection, Polyomavirus infection, BK virus infection
Target-based Actions	
Other Actions	Viral replication inhibitor, Unspecified drug target, Synergist, Antiviral
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	20-Sep-2012

antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix

Drug Name	antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix
Key Synonyms	
Originator Company	iThemba Pharmaceuticals Pty Ltd
Active Companies	Chimerix Inc, iThemba Pharmaceuticals Pty Ltd
Inactive Companies	Medicines for Malaria Venture
Highest Status	Discovery
Active Indications	Plasmodium infection
Target-based Actions	
Other Actions	Antiparasitic, Unspecified drug target
Technologies	Small molecule therapeutic
Last Change Date	14-Dec-2011

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nucleoside analogs (hepatitis C virus infection), Chimerix

Drug Name	nucleoside analogs (hepatitis C virus infection), Chimerix
Key Synonyms	
Originator Company	Chimerix Inc
Active Companies	Chimerix Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Hepatitis
Target-based Actions	Hepatitis C virus NS5B polymerase inhibitor
Other Actions	Antiviral
Technologies	Nucleotide and derivatives, Small molecule therapeutic
Last Change Date	31-Aug-2011

influenza A and B virus targeting compounds, Chimerix

Drug Name	influenza A and B virus targeting compounds, Chimerix
Key Synonyms	
Originator Company	Chimerix Inc
Active Companies	Chimerix Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Influenza virus infection
Target-based Actions	
Other Actions	Unspecified drug target, Antiviral
Technologies	Small molecule therapeutic
Last Change Date	25-Feb-2011

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respiratory syncytial virus targeting compounds, Chimerix

Drug Name	respiratory syncytial virus targeting compounds, Chimerix
Key Synonyms	
Originator Company	Chimerix Inc
Active Companies	Chimerix Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Respiratory syncytial virus infection
Target-based Actions	
Other Actions	Unspecified drug target, Antiviral
Technologies	Small molecule therapeutic, Parenteral formulation unspecified
Last Change Date	25-Feb-2011

dengue virus targeting compounds, Chimerix

Drug Name	dengue virus targeting compounds, Chimerix
Key Synonyms	
Originator Company	Chimerix Inc
Active Companies	Chimerix Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Dengue virus infection
Target-based Actions	
Other Actions	Unspecified drug target, Antiviral
Technologies	Small molecule therapeutic, Parenteral formulation unspecified
Last Change Date	05-Jan-2011

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Mycobacterium tuberculosis infection targeting compounds, Chimerix

Drug Name	Mycobacterium tuberculosis infection targeting compounds, Chimerix
Key Synonyms	
Originator Company	Chimerix Inc
Active Companies	Chimerix Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Mycobacterium tuberculosis infection
Target-based Actions	
Other Actions	Antibacterial, Unspecified drug target
Technologies	Small molecule therapeutic
Last Change Date	05-Jan-2011

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