

Immune Design Corp

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

Company Name	Immune Design Corp
Parent Company Name	Immune Design Corp
Website	http://www.immunedesign.com/
Country	US
Number of Drugs in Active Development	9
Number of Inactive Drugs	1
Number of Patents as Owner	11
Number of Patents as Third Party	0
Number of Deals	14
Key Indications	Cancer, HSV-2 infection, Allergy, Influenza virus infection, Merkel cell carcinoma, Solid tumor, Vaccination, Viral infection, Bacterial infection, Fungal infection, Parasitic infection
Key Target-based Actions	TLR-4 agonist,T-cell surface glycoprotein CD8 stimulator,Cancer testis antigen NY-ESO-1 inhibitor,Carbonic anhydrase-IX stimulator,Glutamate carboxypeptidase II stimulator,HIV GAG protein stimulator,Hemagglutinin stimulator,Homeobox protein Nkx 3.1 stimulator,Prostate specific antigen stimulator,Prostatic acid phosphatase stimulator,Rev protein stimulator,TLR agonist,Viral envelope glycoprotein stimulator
Key Technologies	Biological therapeutic, Parenteral formulation unspecified, Systemic formulation unspecified, Virus recombinant, Gene transfer system viral, Drug combination, Intradermal formulation, Intramuscular formulation, Intratumoral formulation, Antigen

COMPANY PROFILE

SUMMARY

Immune Design, founded in 2008, aims to develop prophylactic and therapeutic vaccines for infectious diseases, cancer, allergy and autoimmune disorders. The company has identified improved adjuvants and novel technologies targeting and controlling dendritic cells.

In April 2014, the Paris Commercial Court found, among other things, that Henogen SA had breached its contractual obligations to THERAVECTYS by making lentiviral vectors for Immune Design Corp (IDC). In July 2014, THERAVECTYS filed a lawsuit against IDC in the Delaware Court of Chancery, to seek preliminary and permanent injunctive relief, and also monetary damages. THERAVECTYS raised claims of tortious interference with contractual relations, misappropriation of trade secrets, unfair competition and unjust enrichment, by manufacture of lentiviral vectors for IDC by Henogen.

COMPANY LOCATION

The company is headquartered in Seattle, WA.

By October 2013, the company had expanded operations to include a San Francisco office with plans to further expand in the Bay Area.

LICENSING AGREEMENTS

In November 2008, the Immune Design Corp was granted a license to the Infectious Disease Research Institute (IDRI)'s Glycopyranosyl Lipid Adjuvant (GLA) technology, for combination with undisclosed therapeutic vaccine products in a number of indications. IDRI would retain worldwide exclusive rights to develop the technology for products against certain indications, including infectious disease, in the developing world, and would retain rights to develop the technology non-commercially for provision to not-for-profit organizations. Immune Design concurrently established its Global Access Plan, to provide better access to GLA-formulated products for diseases in the developing world.



FINANCIAL

In July 2014, immune design planned to raise \$60 million from an initial offering of 5,000,000 shares, priced at \$12 per share. The company also granted the underwriters a 30-day option to purchase up to 750,000 additional shares of common stock. At that time, the offering was expected to close on July 29, 2014. The shares had begun trading on the NASDAQ Global Market under the symbol "IMDZ". Later in July 2014, the company raised gross proceeds of \$60 million from the closed offering.

In October 2013, the company raised \$49 million in a series C financing which included an upfront investment of \$32.5 million, with an additional investment of \$16.5 million.

In July 2010, Immune Design secured \$32 million in series B financing.

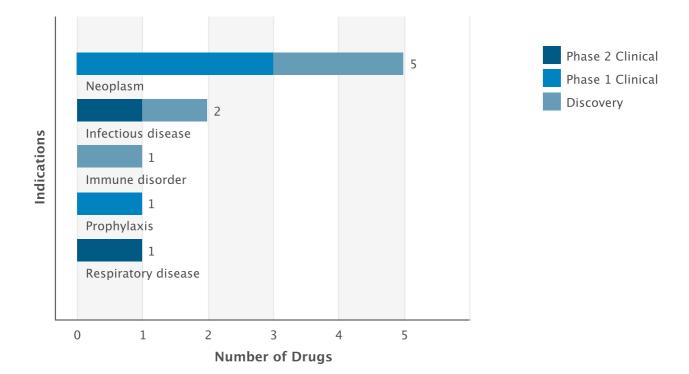
In June 2008, Immune Design raised \$18 million in series A financing.

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



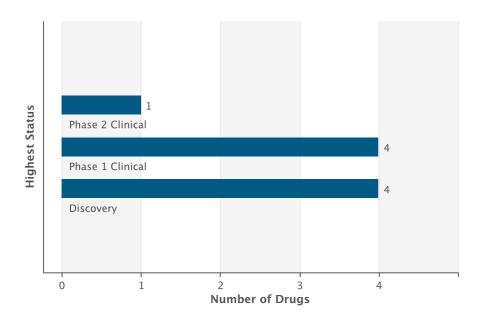


Drugs by Indication Table

Indication	Active	Inactive	Total
Neoplasm	5	0	5
Infectious disease	2	1	3
Prophylaxis	1	1	2
Respiratory disease	1	1	2
Immune disorder	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	1
Phase 1 Clinical	4
Discovery	4
No Development Reported	1



DEALS

Deal Type	Prin	cipal	Par	tner	Total
	Active	Inactive	Active	Inactive	
Drug - Development Services	0	0	6	0	6
Technology - Other Proprietary	2	0	0	0	2
Technology - Delivery/Formulation	1	0	1	0	2
Drug - Development/Commercialization License	4	0	0	0	4

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Neoplasm	3	4
Genitourinary disease	1	1
Endocrine disease	1	1
Dermatological disease	0	1
Respiratory disease	1	1
Gynecology and obstetrics	1	1

Trials by Phase

Phase	Ongoing	All
Phase 2	0	1
Phase 1	3	4

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 Clinica

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	4	0	4
Neoplasm	7	0	7



Respiratory disease	3	0	3
Infectious disease	11	0	11
Inflammatory disease	1	0	1
Otorhinolaryngological disease	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.



PRODUCT PORTFOLIO DRUGS

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

therapeutic vaccine (GLA adjuvanted, pandemic influenza), Immune Design/Medicago

Drug Name	therapeutic vaccine (GLA adjuvanted, pandemic influenza), Immune Design/Medicago
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Medicago Inc, Immune Design Corp
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Influenza virus infection
Target-based Actions	TLR-4 agonist
Other Actions	Therapeutic vaccine, Antiviral
Technologies	Systemic formulation unspecified, Biological therapeutic
Last Change Date	13-Nov-2013

glucopyranosyl lipid A adjuvant, Immune Design Corp

Drug Name	glucopyranosyl lipid A adjuvant, Immune Design Corp
Key Synonyms	
Originator Company	Infectious Disease Research Institute
Active Companies	Immune Design Corp
Inactive Companies	Infectious Disease Research Institute
Highest Status	Phase 1 Clinical
Active Indications	Vaccination
Target-based Actions	TLR-4 agonist
Other Actions	Adjuvant, Immunostimulant
Technologies	Systemic formulation unspecified, Small molecule therapeutic
Last Change Date	13-Apr-2014

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LV-305

Drug NameLV-305Key SynonymsImmune Design CorpOriginator CompanyImmune Design CorpActive CompaniesImmune Design CorpInactive CompaniesPhase 1 ClinicalHighest StatusPhase 1 ClinicalActive IndicationsCancerTarget-based ActionsT-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitorOther ActionsAnticancer, Therapeutic vaccine, Retrovirus based gene therapyTechnologiesVirus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulationLast Change Date06-Jun-2014		
Originator Company Immune Design Corp Immune Design Corp Inactive Companies Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions T-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitor Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Drug Name	LV-305
Active Companies Inactive Companies Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions T-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitor Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Key Synonyms	
Inactive Companies Highest Status Phase 1 Clinical Active Indications Cancer Target-based Actions T-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitor Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Technologies Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Originator Company	Immune Design Corp
Highest Status Phase 1 Clinical Cancer Target-based Actions T-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitor Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Active Companies	Immune Design Corp
Active Indications Cancer Target-based Actions T-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitor Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Inactive Companies	
Target-based Actions T-cell surface glycoprotein CD8 stimulator, Cancer testis antigen NY-ESO-1 inhibitor Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Highest Status	Phase 1 Clinical
Other Actions Anticancer, Therapeutic vaccine, Retrovirus based gene therapy Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Active Indications	Cancer
Technologies Virus recombinant, Biological therapeutic, Parenteral formulation unspecified, Intradermal formulation	Target-based Actions	
Intradermal formulation	Other Actions	Anticancer, Therapeutic vaccine, Retrovirus based gene therapy
Last Change Date 06-Jun-2014	Technologies	
	Last Change Date	06-Jun-2014

G-305

Drug Name	G-305
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Cancer
Target-based Actions	TLR-4 agonist
Other Actions	Anticancer, Therapeutic vaccine
Technologies	Intramuscular formulation, Biological therapeutic
Last Change Date	28-Feb-2014



ID-G100

Drug Name	ID-G100
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Merkel cell carcinoma
Target-based Actions	TLR-4 agonist
Other Actions	Anticancer, Therapeutic vaccine
Technologies	Intratumoral formulation, Biological therapeutic
Last Change Date	28-Jan-2014

IDC-G103

Drug Name	IDC-G103
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	HSV-2 infection
Target-based Actions	TLR-4 agonist
Other Actions	Therapeutic vaccine, Antiviral
Technologies	Biological therapeutic, Parenteral formulation unspecified
Last Change Date	22-Apr-2014

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therapeutic vaccine (GLA adjuvanted, allergy), Sanofi/Immune Design

Drug Name	therapeutic vaccine (GLA adjuvanted, allergy), Sanofi/Immune Design
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp, Sanofi
Inactive Companies	
Highest Status	Discovery
Active Indications	Allergy
Target-based Actions	TLR-4 agonist
Other Actions	Therapeutic vaccine, Immunomodulator
Technologies	Systemic formulation unspecified, Biological therapeutic
Last Change Date	18-Apr-2014

checkpoint inhibitors (LV-305 +/-GLA, cancer), Immune Design

Drug Name	checkpoint inhibitors (LV-305 +/-GLA, cancer), Immune Design
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	TLR-4 agonist
Other Actions	Immunostimulant, Anticancer, Retrovirus based gene therapy, Therapeutic vaccine
Technologies	Biological therapeutic, Parenteral formulation unspecified, Gene transfer system viral
Last Change Date	28-Jul-2014



LV-305 + G-305

Drug Name	LV-305 + G-305
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Solid tumor
Target-based Actions	TLR-4 agonist, T-cell surface glycoprotein CD8 stimulator
Other Actions	Retrovirus based gene therapy, Therapeutic vaccine, Anticancer
Technologies	Drug combination, Virus recombinant, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	06-Jun-2014



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