

Immune Design Corp

COMPANY AND PIPELINE OVERVIEW REPORT

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

Publication Date: 09-Jul-2013

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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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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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	6
Number of Inactive Drugs	0
Number of Patents as Owner	10
Number of Patents as Third Party	0
Number of Deals	5
Key Indications	Vaccination,Cancer,HSV-2 infection,Allergy,Influenza virus infection,Viral infection,Bacterial infection,Fungal infection,Parasitic infection,Autoimmune disease,HIV infection,Infectious disease,Seasonal allergic rhinitis
Key Target-based Actions	TLR-4 agonist,T-cell surface glycoprotein CD8 stimulator,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
Key Technologies	Biological therapeutic,Parenteral formulation unspecified,Systemic formulation unspecified,Virus recombinant,Small molecule therapeutic,Antigen,Gene transfer system viral,Vector expression,Cell culture technique,Cell delivery system,Drug combination,Emulsion formulation,Glycoprotein,Lipid,Peptide,Polynucleotide sequence,Protein

COMPANY PROFILE

SUMMARY

Immune Design aims to develop prophylactic and therapeutic vaccines for infectious diseases. The company has identified improved adjuvants and novel technologies targeting and controlling dendritic cells.

COMPANY LOCATION

The company is headquartered in Seattle, WA.

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

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

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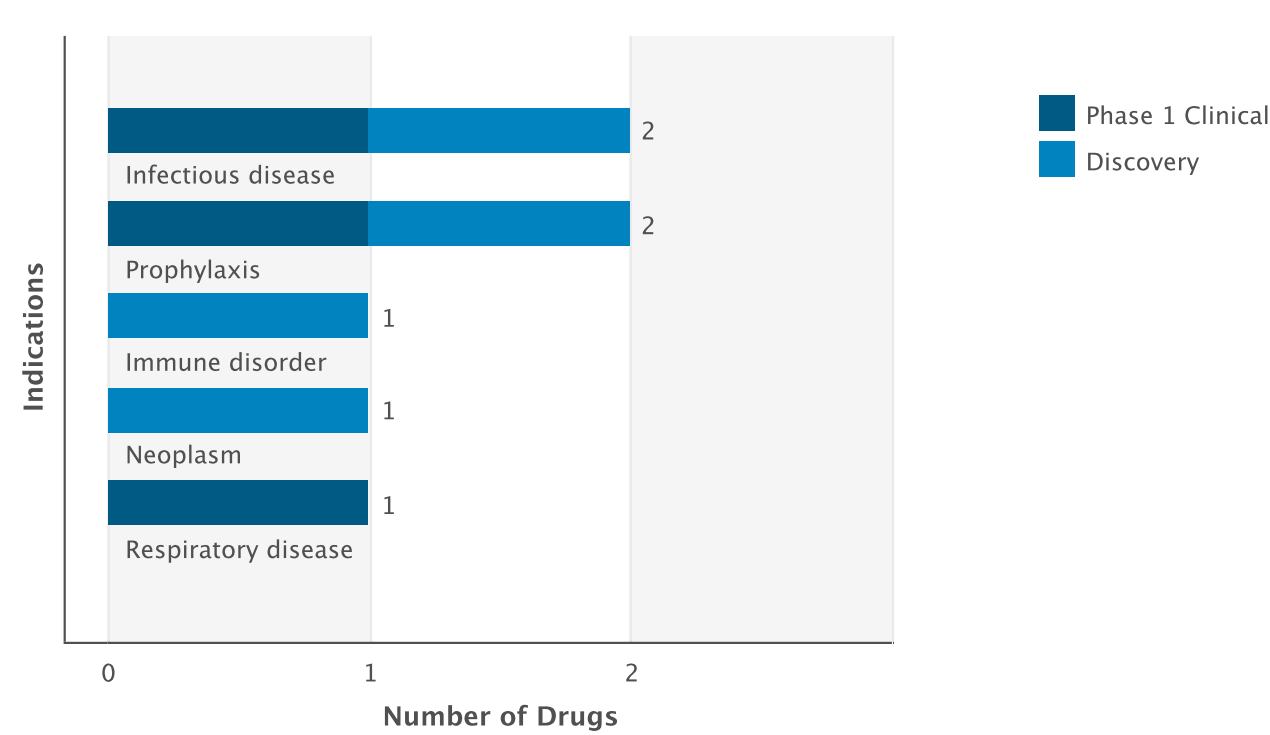


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



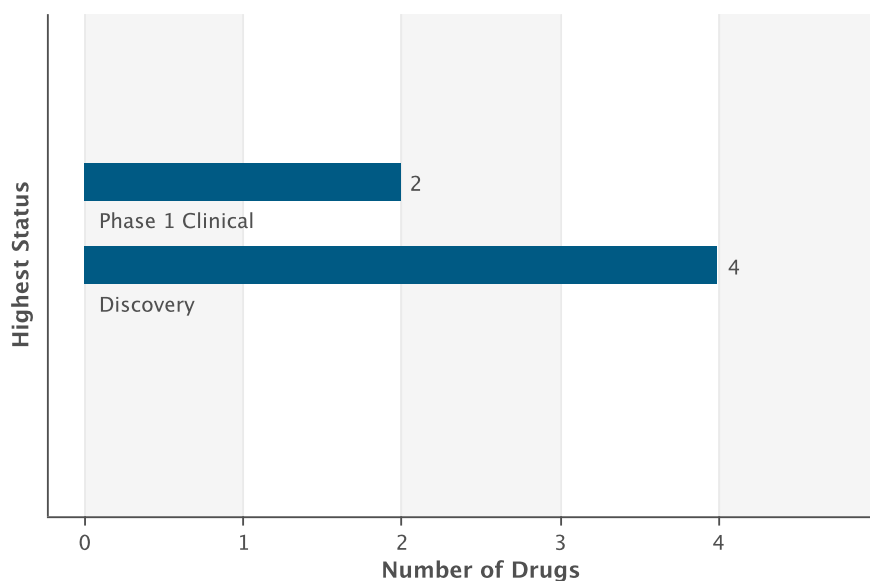
Drugs by Indication Table

Indication	Active	Inactive	Total
Infectious disease	2	0	2
Prophylaxis	2	0	2
Neoplasm	1	0	1
Immune disorder	1	0	1
Respiratory disease	1	0	1

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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 1 Clinical	2
Discovery	4

DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	2	0	0	0	2
Drug - Development/Commercialization License	2	0	0	0	2
Drug - Development Services	0	0	3	0	3
Technology - Delivery/Formulation	1	0	1	0	2

CLINICAL TRIALS

Trials by Phase

Phase	Ongoing	All
Phase 1	0	1

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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	4	0	4
Neoplasm	7	0	7
Respiratory disease	3	0	3
Infectious disease	10	0	10
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.

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PRODUCT PORTFOLIO DRUGS

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

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	20-Jun-2013

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

Drug Name	therapeutic vaccine (GLA adjuvanted, pandemic influenza), Immune Design
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Phase 1 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	10-Oct-2012

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LV-305

Drug Name	LV-305
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Cancer
Target-based Actions	T-cell surface glycoprotein CD8 stimulator
Other Actions	Anticancer, Therapeutic vaccine, Retrovirus based gene therapy
Technologies	Virus recombinant, Biological therapeutic, Parenteral formulation unspecified
Last Change Date	20-Jun-2013

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	Antiviral, Therapeutic vaccine
Technologies	Biological therapeutic, Parenteral formulation unspecified
Last Change Date	09-May-2012

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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	09-May-2012

therapeutic vaccine (GLA adjuvanted, cancer), Immune Design

Drug Name	therapeutic vaccine (GLA adjuvanted, cancer), Immune Design
Key Synonyms	
Originator Company	Immune Design Corp
Active Companies	Immune Design Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Vaccination
Target-based Actions	TLR-4 agonist
Other Actions	Therapeutic vaccine
Technologies	Systemic formulation unspecified, Biological therapeutic, Small molecule therapeutic, Parenteral formulation unspecified
Last Change Date	26-Jun-2013

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