

# Interleukin 1 (IL1) - Pipeline Review, H2 2018

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# **Abstracts**

Interleukin 1 (IL1) - Pipeline Review, H2 2018

#### SUMMARY

Interleukin 1 (IL1) - Interleukin-1 is a cytokine which plays an important role regulation of immune and inflammatory responses. It helps leukocytes pass through blood vessel walls to sites of infection and causes fever by affecting areas of the brain that control body temperature. There are two forms of interleukin-1, alpha and beta. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity.

Interleukin 1 (IL1) pipeline Target constitutes close to 18 molecules. Out of which approximately 17 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Pre-Registration, Filing rejected/Withdrawn, Phase II, Phase I, Preclinical and Discovery stages are 1, 1, 1, 5, 1, 7 and 1 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Immunology, Cardiovascular, Oncology, Dermatology, Gastrointestinal, Metabolic Disorders, Musculoskeletal Disorders, Ear Nose Throat Disorders, Genetic Disorders, Central Nervous System, Genito Urinary System And Sex Hormones and Hematological Disorders which include indications Gouty Arthritis (Gout), Inflammation, Non-Small Cell Lung Cancer, Acne Vulgaris, Atopic Dermatitis (Atopic Eczema), Behcet Disease, Type 2 Diabetes, Arterial Thrombosis, Atherosclerosis, Autoimmune Disorders, Bullous Pemphigoid, Cancer Anorexia-Cachexia Syndrome, Cardiovascular Risk Factors, Cholangitis, Colorectal Cancer, Epidermolysis Bullosa, Esophageal Cancer, Fallopian Tube Cancer, Familial Mediterranean Fever, Hearing Disorders, Hidradenitis Suppurativa, Inflammatory Bowel Disease, Kidney Fibrosis, Limited/Distal Colitis, Liver Fibrosis, Lymphoma, Metastatic Colorectal Cancer, Muckle-Wells Syndrome,



Myocardial Infarction, Neonatal Onset Multisystem Inflammatory Disease, Ovarian Cancer, Pain, Pancreatic Cancer, Pericarditis, Plaque Psoriasis (Psoriasis Vulgaris), Prostate Cancer, Psoriasis, Restenosis, Rheumatoid Arthritis, Rhinitis, Sarcoidosis, Sickle Cell Disease, Skin Ulcers and Squamous Non-Small Cell Lung Cancer.

The latest report Interleukin 1 - Pipeline Review, H2 2018, outlays comprehensive information on the Interleukin 1 (IL1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type. It also reviews key players involved in Interleukin 1 (IL1) targeted therapeutics development with respective active and dormant or discontinued projects.

The report is built using data and information sourced from proprietary databases, company/university websites, clinical trial registries, conferences, SEC filings, investor presentations and featured press releases from company/university sites and industry-specific third party sources.

**Note:** Certain content/sections in the pipeline guide may be removed or altered based on the availability and relevance of data.

#### SCOPE

The report provides a snapshot of the global therapeutic landscape for Interleukin 1 (IL1)

The report reviews Interleukin 1 (IL1) targeted therapeutics under development by companies and universities/research institutes based on information derived from company and industry-specific sources

The report covers pipeline products based on various stages of development ranging from pre-registration till discovery and undisclosed stages

The report features descriptive drug profiles for the pipeline products which includes, product description, descriptive MoA, R&D brief, licensing and collaboration details & other developmental activities

The report reviews key players involved in Interleukin 1 (IL1) targeted therapeutics and enlists all their major and minor projects



The report assesses Interleukin 1 (IL1) targeted therapeutics based on mechanism of action (MoA), route of administration (RoA) and molecule type

The report summarizes all the dormant and discontinued pipeline projects

The report reviews latest news and deals related to Interleukin 1 (IL1) targeted therapeutics

#### **REASONS TO BUY**

Gain strategically significant competitor information, analysis, and insights to formulate effective R&D strategies

Identify emerging players with potentially strong product portfolio and create effective counter-strategies to gain competitive advantage

Identify and understand the targeted therapy areas and indications for Interleukin 1 (IL1)

Identify the use of drugs for target identification and drug repurposing

Identify potential new clients or partners in the target demographic

Develop strategic initiatives by understanding the focus areas of leading companies

Plan mergers and acquisitions effectively by identifying key players and it's most promising pipeline therapeutics

Devise corrective measures for pipeline projects by understanding Interleukin 1 (IL1) development landscape

Develop and design in-licensing and out-licensing strategies by identifying prospective partners with the most attractive projects to enhance and expand business potential and scope



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Link Health Group

Moderna Therapeutics Inc

**Novartis AG** 

Omnitura Therapeutics Inc

Opsona Therapeutics Ltd

Peptinov SAS

R Pharm

Regeneron Pharmaceuticals Inc

Spherium Biomed SL

Swedish Orphan Biovitrum AB

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R&D Progress



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**Product Description** 

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Featured News & Press Releases

Oct 26, 2018: XBiotech announces new patents for bermekimab in the third quarter of 2018

Oct 22, 2018: TWi Biotechnology enrols first patient in Phase II AC-203 trial

Oct 05, 2018: Xbiotech announces enrollment completion in phase 2 multicenter study evaluating Bermekimab in patients with atopic dermatitis

Sep 26, 2018: XBiotech announces granting of European patent for treatment of inflammatory skin diseases

Sep 24, 2018: XBiotech Announces Completion of U.S. Enrollment in Phase 2 Multicenter Study Evaluating Bermekimab in Patients with Hidradenitis Suppurativa Sep 20, 2018: XBiotech announces addition of top dermatologist and researcher Dr.



Alice Gottlieb to its team

Sep 13, 2018: XBiotech Announces Completion and Positive Interim Findings for Initial Cohort in Bermekimab Pilot Study in Atopic Dermatitis

Aug 27, 2018: Xbiotech announces publication of breakthrough findings for potential role of interleukin-1 alpha in risk for heart attacks

Aug 09, 2018: Castle Creek Pharmaceuticals receives FDA Fast Track Designation for Diacerein 1% ointment for treatment of Epidermolysis Bullosa Simplex

Jul 10, 2018: XBiotech Announces First Patient in Phase 2 Study Evaluating

Subcutaneous MABp1 in Patients with Hidradenitis Suppurativa

Jun 25, 2018: Castle Creek Pharmaceuticals Announces First Patient with

Epidermolysis Bullosa Enrolled in Pharmacokinetics Study of Diacerein 1% Ointment

Jun 22, 2018: Regeneron Regarding Royalty Agreement with Novartis for Canakinumab

May 22, 2018: XBiotech Announces First Patient in Phase 2 Study Evaluating MABp1 in Patients with Atopic Dermatitis

May 16, 2018: Castle Creek Pharmaceuticals Receives FDA Rare Pediatric Disease Designation for Diacerein 1% Ointment for Epidermolysis Bullosa

May 15, 2018: European Society of Cardiology consensus statement on inflammation in atherosclerosis

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#### **COMPANIES MENTIONED**

Apexigen Inc

Link Health Group

Moderna Therapeutics Inc

Novartis AG

Omnitura Therapeutics Inc

**Opsona Therapeutics Ltd** 

Peptinov SAS

R Pharm

Regeneron Pharmaceuticals Inc

Spherium Biomed SL

Swedish Orphan Biovitrum AB

XBiotech Inc



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