

# Granulocyte Macrophage Colony Stimulating Factor - Pipeline Review, H1 2020

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## Abstracts

Granulocyte Macrophage Colony Stimulating Factor - Pipeline Review, H1 2020

### SUMMARY

Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) pipeline Target constitutes close to 25 molecules. Out of which approximately 23 molecules are developed by companies and remaining by the universities/institutes. The latest report Granulocyte Macrophage Colony Stimulating Factor - Pipeline Review, H1 2020, outlays comprehensive information on the Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) - Granulocyte-macrophage colony-stimulating factor (GM-CSF) is a glycoprotein secreted by macrophages, T cells, mast cells, NK cells, endothelial cells and fibroblasts. It stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 10, 4, 6 and 2 respectively.

Similarly, the universities portfolio in Phase II and Preclinical stages comprises 1 and 1 molecules, respectively. Report covers products from therapy areas Oncology,

Immunology, Central Nervous System, Musculoskeletal Disorders, Respiratory and Undisclosed which include indications Solid Tumor, Breast Cancer, Rheumatoid Arthritis, Melanoma, Metastatic Colorectal Cancer, Muscle Invasive Bladder Cancer (MIBC), Triple-Negative Breast Cancer (TNBC), Bladder Cancer, Metastatic Breast Cancer, Metastatic Melanoma, Metastatic Renal Cell Carcinoma, Pancreatic Cancer, Pancreatic Ductal Adenocarcinoma, Soft Tissue Sarcoma, Squamous Cell Carcinoma, Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia), Ankylosing Spondylitis (Bekhterev's Disease), Axial Spondyloarthritis, Bile Duct Cancer (Cholangiocarcinoma), Chronic Myelomonocytic Leukemia (CMML), Colon Carcinoma, Colorectal Cancer, Cutaneous Angiosarcoma, Cytokine Release Syndrome (Cytokine Storm), Fibrosarcoma, Gastric Cancer, Gastroesophageal (GE) Junction Carcinomas, Glioblastoma Multiforme (GBM), Graft Versus Host Disease (GVHD), Hematological Tumor, Hepatocellular Carcinoma, Juvenile Myelomonocytic Leukemia (JMML), Kidney Cancer (Renal Cell Cancer), Liver Cancer, Lung Adenocarcinoma, Lung Cancer, Lung Disease, Lymphoma, Malignant Pleural Effusion, Merkel Cell Carcinoma, Metastatic Adenocarcinoma of The Pancreas, Metastatic Hepatocellular Carcinoma (HCC), Metastatic Liver Cancer, Multiple Myeloma (Kahler Disease), Multiple Sclerosis, Neurotoxicity Syndromes, Non Muscle Invasive Bladder Cancer (NMIBC) (Superficial Bladder Cancer), Non-Small Cell Lung Cancer, Oral Cavity (Mouth) Cancer, Osteoarthritis, Ovarian Cancer, Prostate Cancer, Recurrent Head And Neck Cancer Squamous Cell Carcinoma and Unspecified.

Furthermore, this report also reviews key players involved in Granulocyte Macrophage Colony Stimulating Factor (GM-CSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) targeted therapeutics development with respective active and dormant or discontinued projects. Driven by 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 Granulocyte Macrophage Colony Stimulating Factor (GM-CSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2)

The report reviews Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) 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 Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) targeted therapeutics and enlists all their major and minor projects

The report assesses Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) 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 Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) 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

Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2)

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 Granulocyte Macrophage Colony Stimulating Factor (GMCSF or Colony Stimulating Factor or CSF or Molgramostin or Sargramostim or CSF2) 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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Amgen Inc

AstraZeneca Plc

BioInvent International AB

BriaCell Therapeutics Corp

Cold Genesys Inc

Cytonus Therapeutics Inc

Epeius Biotechnologies Corp

GlaxoSmithKline Plc

Humabs BioMed SA

Humanigen Inc

I-Mab Biopharma Co Ltd

Izana Bioscience Ltd

Morphotek Inc

Seagull Labs (I) Pvt Ltd

Sillajen Biotherapeutics

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Dec 17, 2019: BriaCell to present at Biotech Showcase 2020 in San Francisco

Dec 13, 2019: BriaCell announces clinical data as presented at the 2019 San Antonio Breast Cancer Symposium

Dec 11, 2019: Humanigen's GM-CSF knockout data presented at the 2019 Annual Meeting of American Society of Hematology Receives Award

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### COMPANIES MENTIONED

Abhelix LLC  
Aduro BioTech Inc  
Amgen Inc  
AstraZeneca Plc  
BioInvent International AB  
BriaCell Therapeutics Corp  
Cold Genesys Inc  
Cytonus Therapeutics Inc  
Epeius Biotechnologies Corp  
GlaxoSmithKline Plc  
Humabs BioMed SA  
Humanigen Inc  
I-Mab Biopharma Co Ltd  
Izana Bioscience Ltd  
Morphotek Inc  
Seagull Labs (I) Pvt Ltd  
Sillajen Biotherapeutics

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