

# Human Cytomegalovirus Envelope Glycoprotein B (gB) - Pipeline Review, H1 2018

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## Abstracts

Human Cytomegalovirus Envelope Glycoprotein B (gB) - Pipeline Review, H1 2018

### SUMMARY

Human Cytomegalovirus Envelope Glycoprotein B (gB) - Human Cytomegalovirus envelope glycoprotein B plays an important role in host cell entry and cell to cell virus transmission. It is involved in the initial attachment via binding to heparan sulfate together with the gM/gN complex that binds heparin with higher affinity. It interacts with host integrin ITGB1, PDGFRA and EGFR that likely serve as post attachment entry receptors. It participates in the fusion of viral and cellular membranes leading to virus entry into the host cell.

Human Cytomegalovirus Envelope Glycoprotein B (gB) pipeline Target constitutes close to 9 molecules. Out of which approximately 8 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase II, Phase I, IND/CTA Filed, Preclinical and Discovery stages are 2, 1, 1, 3 and 1 respectively. Similarly, the universities portfolio in Preclinical stages comprises 1 molecules, respectively. Report covers products from therapy areas Infectious Disease, Oncology and Women's Health which include indications Cytomegalovirus (HHV-5) Infections, Female Contraception, Gonorrhoea, Human Immunodeficiency Virus (HIV) Infections (AIDS), Medulloblastoma, Recurrent Glioblastoma Multiforme (GBM), Simplexvirus (HSV) Infections and Trichomonas Vaginitis.

The latest report Human Cytomegalovirus Envelope Glycoprotein B (gB) - Pipeline Review, H1 2018, outlays comprehensive information on the Human Cytomegalovirus Envelope Glycoprotein B (gB) 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 Human Cytomegalovirus Envelope Glycoprotein B (gB) 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 Human Cytomegalovirus Envelope Glycoprotein B (gB)

The report reviews Human Cytomegalovirus Envelope Glycoprotein B (gB) 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 Human Cytomegalovirus Envelope Glycoprotein B (gB) targeted therapeutics and enlists all their major and minor projects

The report assesses Human Cytomegalovirus Envelope Glycoprotein B (gB) 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 Human Cytomegalovirus Envelope Glycoprotein B (gB) 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 Human Cytomegalovirus Envelope Glycoprotein B (gB)

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 Human Cytomegalovirus Envelope Glycoprotein B (gB) 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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Novartis AG

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May 10, 2018: VBI Vaccines Announces Positive Final Phase 1 Study Results of Preventative CMV Vaccine

Apr 17, 2018: VBI Vaccines Announces Positive DSMB Review in Phase 1/2a Study of VBI-1901 in Recurrent Glioblastoma (GBM) Patients

Jan 17, 2018: VBI Vaccines Announces Dosing of First GBM Patient in Phase 1/2a Clinical Study of VBI-1901

Nov 10, 2017: VBI Vaccines to Present New Preclinical Data for its GBM Immunotherapy, VBI-1901, at SITC 2017

Oct 11, 2017: VBI Vaccines to Present Phase 1 CMV vaccine data at The World Vaccine Congress Europe 2017 in Barcelona

Aug 28, 2017: VBI Vaccines to Present New Preclinical Data for its GBM Immunotherapy, VBI-1901, at The Immuno-Oncology Summit

Aug 15, 2017: VBI Vaccines Announces FDA Acceptance of Investigational New Drug Application for VBI-1901 to Treat Glioblastoma Multiforme

Jul 27, 2017: VBI Vaccines Announces Positive Interim Data from Phase 1 Study of Preventative CMV Vaccine

May 02, 2017: VBI Vaccines Provides Update on its Congenital CMV Phase I Clinical Study

Apr 05, 2017: VBI Vaccines to Present Update on VBI-1901 at the World Vaccine Congress

Nov 10, 2016: VBI Vaccines to Present at the Society of Neuro-Oncology Annual Meeting

Oct 11, 2016: VBI Vaccines Completes Pre-IND Meeting for its Glioblastoma Immunotherapy Candidate

Oct 05, 2016: VBI Vaccines to Present at the World Vaccine Congress Europe

Sep 20, 2016: VBI Vaccines Completes Enrollment of Participants in the Phase I Clinical Trial of its Preventative Cytomegalovirus Vaccine Candidate

Sep 01, 2016: VBI Vaccines to Present at the Vaccine Congress

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### COMPANIES MENTIONED

Merck & Co Inc

Novartis AG

Trellis Bioscience Inc

Vakzine Projekt Management GmbH

VBI Vaccines Inc

Vical Inc



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