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Glenmark Pharmaceuticals SA (GPSA), a wholly owned subsidiary of Glenmark Pharmaceuticals Limited India (GPL), has announced the discovery and initiation of IND enabling studies for a novel clinical development candidate, GBR 1342. GBR 1342 is a CD38xCD3 bispecific antibody based on Glenmark's proprietary BEAT platform.

GBR 1342 is the second clinical development candidate (following GBR 1302 a HER2xCD3 biâ€?specific antibody) based on the BEAT technology. It is also Glenmark's second clinical candidate targeting oncology indications.

CD38 is one of the few known markers for plasma cells and is a wellâ€?established target for multiple myeloma, a cancer caused by malignant plasma cells. CD38 is potentially also a target for other hematopoietic malignancies.

Commenting on this achievement, Dr Michael Buschle, chief scientific officer and president â€? Biologics, Glenmark Pharmaceuticals said, "GBR 1342 is the second biâ€?specific antibody emerging from our BEAT platform. With the 1302 project we learned how to efficiently engineer and manufacture this novel type of antibody and we are now applying those lessons to several other targets."

GBR 1342's mode of action is similar to GBR 1302, Glenmark's first CD3 redirecting antibody. GBR 1342 redirects cytotoxic T cells through its CD3 binding arm onto CD38â€?expressing cancer cells and induces the killing of these cancer cells by the T cells. Glenmark is committed to moving GBR 1342 rapidly into
clinical trials.

BEAT(Biâ€?specific Engagement by Antibodies based on the T cell receptor) is Glenmark's technology for production of biâ€?specific antibodies. Engaging two targets with one biâ€?specific antibody is a novel concept to design new therapeutics.