BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Korea-based GI Innovation strengthens focus on next-gen innovative immuno-oncology

February 28, 2022 | News

Joint research of biomarkers on platform technology of GI Innovation, GI-SMARTÃ¢â??Â¢, and SpAC9 Pipeline, AI-powered biomarker discovery platform of CellKey



GI Innovation, based in South Korea, has signed a biomarker joint research MoU with CellKey, a Glycoprotein biomarker development company, to develop next-generation innovative immuno-oncology.

Under the MoU, GI Innovation will progress joint biomarker research to develop next-generation protein and antibody drugs using GI Innovation's bispecific fusion protein development platform GI-SMART™ and CellKey's AI-powered biomarker discovery platform SpAC9 Pipeline. In addition, both companies will progress jointly published thesis, academic publication, research business, etc.

A biomarker is biological index that can sense symptoms in the body using protein, DNA, RNA, metabolite, etc. The more the multiple panels are constructed the more possibilities are to raise accuracy and diagnose early cancer.

In particular, AI and cloud-powered SpAC9 Pipeline of CellKey enables the discovery of the most optimal multi-biomarker panels, consisting of glycoproteins and proteins, up to 100 times faster than with conventional analysis methods.

With this strategic partnership, both companies expect that GI Innovation will predict drug responses on GI Innovation's immuno-oncology and reinforce the reliability and efficacy of treatment through the biomarker discovery that can monitor treatment effects. CellKey also expects to improve upon the effects of personalized treatments and cancer diagnostic biomarker business.