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MedGenome announces free access to OncoPeptTOPE™, its proprietary database of neo-antigens and neo-epitopes

OncoPeptTOPE™ is freely accessible online to DNA / Peptide vaccine researchers

MEDGENOME

FOSTER CITY, CA, UNITED STATES, April 29, 2016 /EINPresswire.com/ -- MedGenome recently announced that its proprietary OncoPeptTOPE™ database of neo-antigens and neo-epitopes derived from genetic alterations using TCGA data will be made freely accessible to researchers in the cancer immunotherapy space. The database captures CD4+/CD8+ T-cell neo-epitopes from neo-antigens based on their binding affinity to different HLA types selected based on their expression in cancer cells. The mutated genes are also rank ordered according to their T-cell neo-epitope burden.

The database tool can be accessed online at http://oncotope.medgenome.com/. The database has been developed utilizing MedGenome's proprietary pipeline for neo-antigen and neo-epitope identification and prioritization applied against the catalogue of genetic mutations in cancer. The pipeline is also available via the OncoPeptVAC™ service at MedGenome to customers that are focusing on DNA / peptide vaccine development.

MedGenome envisions that access to the OncoPeptTOPE™ database will save a significant amount of analysis time for researchers involved in DNA/Peptide vaccine composition, structure and validations - across discovery, pre-clinical and clinical stages.