

Polaris Biology pushes next-gen T cell detection reagents

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Polaris Biology and Tetramer Shop combine forces to accelerate state-of-the-art single-cell analysis capacity.



China based startup Polaris Biology and Denmark based Tetramer Shop have announce a strategic partnership to co-develop and distribute technologies that accelerate T cell science. First on the agenda is to commercialize metal-labelled major histocompatibility complex (MHC) tetramers for distribution in China.

Conventional fluorophore labelled tetramers are restricted by spectral overlap and compensation issues. With quick, easy access to metal-labelled tetramers, researchers will be able to detect hundreds of T cell specificities in a single sample, accelerating therapeutic development.

Tetramer Shop is applying its proprietary empty loadable MHC technology to the development of the metal-labelled tetramer. This technology holds the potential to develop a new generation of MHC tetramers for the analysis of T cell immune monitoring.

Under the agreement, Polaris commences the sale and distribution of MHC tetramer reagents from Tetramer Shop on the rapidly expanding Chinese market for T cell immune monitoring and antigen specificity profiling.