세미나 초록

발표주제	The application of antibody discovery platform
발표내용	An antibody library is an essential and important tool in the field of discovery of antibody therapeutics. Recently, we have generated two formats of antibody libraries with scFv and heavy chain variable domains (V_H), respectively. The human-like synthetic scFv library constructed by combining the high-throughput (HT) sequencing information about the human variable gene repertoire and a novel approach to design synthetic codons. We confirmed that the design of CDRs was precisely embodied in the library with an expected quality by HT sequencing. The V_H domain library was constructed using rationally controlled CDRs to overcome the lack of binding sites and further engineered to have high levels of thermodynamic stability, soluble expression, and reversible folding.