

세미나 초록

발표주제	정밀의료를 위한 바이오빅데이터 플랫폼의 구축 및 활용 (Establishment and utilization of bio big data platform for precision medical care)
발표내용	<p>In the past years, there has been a remarkable development of omics technologies like as genomics, epigenomics, transcriptomics, proteomics, metabolomics, and metagenomics across all facets of biology. With the advent of NGS sequencing technology, biology has become increasingly dependent on data generated at this level, which is called "Multi-Omics" data. The availability of Multi-Omics data has revolutionized the biological fields by creating a path to an integrated system-level approach. Recently, Multi-Omics data has been studied significantly in human health, including disease prediction and diagnosis, discovery of new biomarker, and development of new drugs in combination with AI. We would like to introduce examples of building and utilizing pipelines and platforms for Multi-Omics analysis. In addition, we hope that the core platform of 3BIGS, which was built for the development of new drugs, will find ways for animal genome researchers to utilize.</p>