

Aging is a biological process that occurs in each of us as individuals and is accompanied by a variety of changes. At the molecular level, DNA methylation occurs, a process in which a methyl group is covalently bonded at the cytosine 5 carbon position of a genomic CpG dinucleotide, and the association between DNA methylation and aging has been extensively studied and their close correlation has been found.

DNA methylation is an epigenetic modification that plays a key role in many aging-related biological processes. Based on this, we can use DNA methylation analysis for related studies, such as age prediction, disease risk prediction, and aging mechanism exploration.