



The research group on “aging mechanism and regulation” have made many leading research achievements in the field of basic aging biology and translational research worldwide. Via the establishment of a primate-based research platform and multiple innovative techniques for aging research, they depicted the multi-organ cell-type-specific transcriptomic landscape of mammalian aging, uncovered the commonalities and differences in aging regulatory pathways between primates and rodents, and established a causative link between heterochromatin loss and human stem cell aging, laying an important foundation for the development of therapeutic strategies including targeted drugs, stem cell-based methods and gene therapy for aging-related diseases. The academic achievements by this group have won domestic and international scientific awards, advanced the field of aging research and promoted the aging research in China to the international forefront.