

세미나 초록

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발표 주제	Next generation of genetic medicine: Epigenetic controller
발표 내용	<p>The development of mRNA-based therapeutics centers on harnessing the intrinsic capabilities of mRNA molecules to convey the genetic instructions necessary for protein synthesis. In order to optimize the therapeutic efficacy and minimize adverse effects, pharmaceutical companies focus on refining the inherent properties of the mRNA itself, as well as the characteristics of the delivery systems, to elicit the desired biological responses. Approaches to mRNA manipulation can be advanced in terms of target specificity, modulability, and translational potential into clinical applications. While ongoing research is devoted to enhancing established methodologies, there is also room for the exploration of innovative strategies that could fully unlock the transformative potential of mRNA-based treatments. This seminar presents a novel direction in mRNA therapeutic development by integrating epigenetic control mechanisms into the design of mRNA therapies.</p>