

세미나 초록

성명	이충용
소속	경북대학교 의과대학
발표 주제	Overcoming Host-Specific Barriers: Insights into Animal Influenza Virus Spillovers into Humans
발표 내용	<p>Influenza A virus (IAV) has caused multiple pandemics throughout history, underscoring the urgent need to understand its transmission dynamics. Although spillover events from animals to humans occur with some frequency, the mechanisms that allow animal-origin viruses to overcome host-specific barriers remain poorly understood. In today's seminar, I will discuss how animal influenza viruses cross the species barrier to infect humans, focusing on key molecular determinants and host-pathogen interactions. I will also introduce a deep learning-based predictive framework that we have developed to assess the pandemic potential of animal-origin influenza viruses, offering a novel tool to support influenza surveillance and risk assessment efforts.</p>