

세미나 초록

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발표 주제	Applications of hPSC-derived functional organoids and macrophages in drug development
발표 내용	<p>Pluripotent stem cells (PSCs) can self-renew and differentiate into all of the cell types found in the adult body. Numerous studies have described advances in knowledge of differentiation of PSCs into diverse human primary-like cells, and the possible application of these cells for disease modelling, toxicity testing, and drug screening. In this presentation, I will discuss about current applications of pluripotent stem cell derived multi-cellular organoids in 1) liver organoids for investigating hepatitis C virus infection and non-alcoholic fatty liver disease progression, 2) immune cell containing lung organoids to for understanding co-infection of respiratory viruses, 3) multi-cellular brain organoids to study of Alzheimer's diseases. Furthermore, we will discuss about the limitation and future applications of PSC-derived organoids.</p>