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**직위: 조교수/Assistant Professor**

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**기타소속:**

**강연제목: 의공학자를 위한 Multiomics 기초/응용**

**Multiomics for Bioengineers I/II**

**Abstract:**

Despite the increasing availability of omic datasets through various open repository databases for the scientific community, limitations such as restricted patient cohort sizes, the number of QC-passed cells, and the absence of clinical and cell metadata pose significant challenges in deriving novel insights. To address these limitations, our aim is to overcome these obstacles by generating a comprehensive big data approach, integrating diverse omic datasets and applying a unified pipeline. This effort will empower bioengineers with the essential capabilities for efficient and effective analysis, fostering advancements in multiomics research.

**Brief Biosketch**

B.Eng. Ph.D., National University of Singapore, Singapore, 2011-2019

Postdoctoral Fellow, Johns Hopkins University School of Medicine, USA, 2020-2021

Assistant Professor, Ajou University School of Medicine, South Korea, 2021-present

Nature Scientific Data, Frontiers in Cell and Developmental Biology, Genomics &

Informatics, Editorial Board Member, 2022-present

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