

ASHBi SEMINAR

Organoid based My Medicine

Lecturer: **Takanori Takebe** M.D., Ph.D.

Associate Professor, Cincinnati Children's Hospital
Professor, Tokyo Medical and Dental University

Date Friday, 7 January 2022

Time 16:00 – 17:00

Venue Hybrid*: Zoom Online/Memorial Auditorium

Faculty of Medicine Campus Map #7

* Registration required (Please register via QR code).

* Onsite participants will be individually informed from the organizer.



Abstract

Organoids are multicellular structures that can be derived from adult organs or pluripotent stem cells. Early versions of organoids range from simple epithelial structures to complex, disorganized tissues with large cellular diversity. Coupled with patient-derived stem cells, my group studied the mechanisms of human liver development and diseases, wherein organoid modelled a remarkable correlation between the clinical phenotype and genotype. Here, I will discuss our recent efforts to advance organoid development and inform personalized traits for chronic liver disease investigation by combining genetic-, cellular-, organoid- and human-scale evidence that might potentially inform designs of safer, more efficient, and robust clinical trials.

Organizer : Graduate School of Medicine

Institute for the Advanced Study of Human Biology (WPI-ASHBi)

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