“Dissecting Cancer Biology with iPS Cell Technology”

Abstract:
Cancer arises through the accumulations of both genetic and epigenetic alterations. Although the causal role of genetic mutations on cancer development has been established in vivo, similar evidence for epigenetic alterations is still limited. Cellular reprogramming technology can be used to actively modify the epigenome without affecting the genomic information. Here I introduce our recent studies that utilized this property for uncovering cancer epigenome.

Date:
3 July 2017 (Monday)

Time:
12pm – 1pm

Venue:
Amphitheatre, Level 2
Duke-NUS Medical School
8 College Road, S169857
(Opposite Singapore General Hospital, Block 6/7)

Host:
Patrick TAN , MD PhD
Professor
Programme in Cancer & Stem Cell Biology
Duke-NUS Medical School

“No registration is required.”
Any enquiry, please contact:
Beatrice Tan (Tel: 6516 7923)

Speaker:
Yasuhiro YAMADA, MD PhD
Professor
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Kyoto University, Japan

Biography:
Dr. Yasuhiro Yamada is a Professor at Center for iPS Cell Research and Application (CiRA), Kyoto University, Japan. He earned a MD degree and a PhD in medicine from Gifu University School of Medicine. He did his post-doctoral research at Rudolf Jaenisch lab, Whitehead Institute. He took up current position in 2010. He is currently trying to use reprogramming technology as a tool to actively modify epigenetic regulation, aiming to dissect the role of epigenetic regulations on cancer development.