DukeNUS Medical School

CSCB Cancer and Stem Cell Biology Seminar Series

The epigenetic connection between Tet1 and Oct4 in cellular reprogramming and differentiation

Abstract:

Global changes in gene expression and DNA methylation orchestrate dynamic changes in developmental potency during cell state transitions in early mammalian development and reprogramming. Here, we show how the interplay between the master pluripotency factor Oct4 and the DNA dioxygenase Tet1 defines stage- and locus-specific interactions between chromatin factors, DNA methylation and gene expression during key developmental cell fate changes.

Date:

5 October 2018 (Friday)

Venue:

Meeting room, 7C
Duke-NUS Medical School
8, College Road,
Singapore 169857

Time:

2:00 - 3:00 p.m.



Speaker:

Dr. Kian Peng KOH
Associate Professor

Stem Cell Institute Leuven (SCIL)
KU Leuven, Belgium

Dr. Koh obtained a PhD in Pharmacology from Yale University in 2004. Among the first returning A-STAR National Science scholars, he gained experience in drug discovery as Scientist at S*BIO Ptd Ltd in Singapore. He returned to the United States in 2007 for a postdoctoral fellowship with Professor Anjana Rao at Harvard Medical School. In 2011, he joined the Stem Cell Institute Leuven in Belgium and is now Associate Professor with a research programme in Stem Cell and Developmental Epigenetics.

Host:

Sin Tiong ONG
Associate Professor
Programme in Cancer & Stem Cell Biology
Duke-NUS Medical School
Singapore

No registration is required. All are welcome.
Any enquiries, please contact:
Lilian Poon (6601 3779)