National Cancer Centre Singapore
SingHealth

HUMPHREY OEI INSTITUTE OF CANCER RESEARCH

DUKE NUS GRADUATE MEDICAL SCHOOL SINGAPORE

Title:

"Genome-wide Analysis of Nuclear Hormone Receptor Action in Cancer Cells"

Abstract:

The transmission of extracellular stimuli into intracellular responses is a fundamentally important process in biology. Steroid and thyroid hormones are small molecules that function in signal transduction during growth and development. Aberrations in the signaling pathways controlled by these hormones lead to disease states. In my presentation, I will show how my lab has applied novel high-throughput sequencing technologies to elucidate the chromatin organization of cancer cells upon hormone signaling, as well as the identification and characterization of novel factors required for nuclear hormone receptor transcriptional activity.

Date:

20 February (Thursday)

Time:

3:00 PM to 4:00 PM

Venue:

Conference Room 4D
Duke-NUS Grad Med Sch
8 College Road, S169857

(Opposite Singapore General Hospital, Block 6/7)

Host:

Bin Tean TEH, Ph.D.
Professor
Program in Cancer & Stem Cell Biology
Duke-NUS Graduate medical School Singapore
National Cancer Centre Singapore

"No registration is required."
Any enquiry, pls contact:
Nellie Chai (Tel: 6601 1366)

Speaker:



Dr Edwin Cheung, Ph.D.
Professor of Biomedical Sciences,
Faculty of Health Sciences
University of Macau

Biography:

Dr. Cheung is a Professor of Biomedical Sciences in the newly established Faculty of Health Sciences at the University of Macau. Prior to that, he was a Senior Investigator for 9 years at the Genome Institute of Singapore and an Adjunct Associate Professor at the Department of Biochemistry, National University of Singapore. His lab is focused on elucidating the molecular basis by which steroid hormones control the development and progression of human cancers. Specifically, he is interested in applying modern biological approaches to define the rules governing signal-regulated gene expression by steroid hormones (estrogen and androgen), their cognate receptors and associated cofactors, in breast and prostate cancers.