DukeNUS Medical School | National Cancer Centre Singapore SingHealth | CSCB Cancer and Stem Cell Biology Seminar Series

Strategies to target senescence

Abstract:

Senescence is a cellular stress response that results in the stable arrest of old or damaged cells. Drugs that killing senescent cells, termed senolytics, are beneficial in many age-associated diseases. Here, we show that the cardiac glycoside (CG), ouabain, is a senolytic agent with broad activity. CGs synergize with anti-cancer drugs to kill tumor cells and eliminate a wide range of senescent cells in vivo. Our findings suggest that CGs may be effective as anti-cancer and anti-ageing drugs.

Date:

1st October 2019 (Tuesday)

Venue:

Room 7C, level 7
Duke-NUS Medical School
8, College Road,
Singapore 169857

Time:

10:00 a.m. – 11:00 a.m.



Speaker:

Professor Jesús Gil Ph.D.

MRC London Institute of Medical Sciences
Faculty of Medicine
Imperial College London

Host:

Dr. Sin Tiong ONG
Associate Professor
Laboratory of Haematologic Malignancies
Programme in Cancer & Stem Cell Biology

Jesús Gil was born in Zaragoza, Spain. He obtained his PhD in 2000 at the Universidad Autónoma in Madrid. He worked as a postdoc with David Beach at UCL, Gordon Peters at CRUK and Scott Lowe at CSHL. Since Nov. 2005 he leads the Cell Proliferation Group at the MRC London Institute of Medical Sciences (MRC LMS) were his main interest is to understands senescence. Since 2013 he is a Professor at Imperial College where it heads the Department of Molecular Sciences at ICS.

No registration is required. All are welcome.
Any enquiries, please contact:
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