DukeNUS Medical School

CSCB Cancer and Stem Cell Biology Seminar Series

Identifying Interventions that Delay Ageing in Humans

Abstract:

We now know that ageing is the biggest risk factor for a range of late onset chronic conditions that drive morbidity and mortality, and dramatically increase healthcare costs. Considerable effort has been expended to identify effective therapies for these conditions, which include metabolic, neurodegenerative, cardiac and other syndromes. Yet therapies have been hard to identify. A new strategy is to target the biggest risk factor – ageing itself. Slowing ageing is relatively easy in animal models, including mice, and when done effective, not only lifespan but healthspan is extended. The question now is how to develop interventions and test them in humans. I will discuss known and novel interventions, including those affecting amino acid metabolism and discuss strategies for measuring and delaying ageing in humans. A major reason we are effective at treating metabolic and cardiac symptoms is that we have identified risk factors (e.g hyperglycemia, hypercholesterolemia, etc.) and treat these before the diseases develop to later stages. Ageing is the ultimate risk factor and treating it effectively may revolutionize medicine.

Date:

11 October 2018 (Thursday)

Venue:

Amphitheatre, Level 2
Duke-NUS Medical School
8, College Road,
Singapore 169857

Time:

3:00 - 4:00 p.m.

Host:

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

Speaker:



Prof. Brian KENNEDY

Distinguished Professor
Departments of Biochemistry and Physiology, NUS
Director, NUHS Centre for Healthy Ageing, Singapore

Prof. Kennedy is internationally recognized for his research in the basic biology of aging and as a visionary committed to translating research discoveries into new ways of delaying, detecting, and preventing human aging and associated diseases. He is the Director of National University Health System (NUHS) Centre for Healthy Ageing. He also serves as a Distinguished Professor in Department of Biochemistry and Physiology at Yong Loo Lin School of Medicine, National University Singapore (NUS). From 2010 to 2016 he was the President and CEO of the Buck Institute for Research on Aging in California. He remains a professor at the Buck Institute.

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