Centre for Computational Biology Speaker

DukeNUS Medical School

Title: "Prioritizing Longevity Interventions: what is most likely to work in which people?"

Date: 22 Jun 2022 (Wednesday)	Time: 3:00 – 4:00 pm	Venue: Amphitheatre (Level 2) Duke-NUS Medical School 8 College Road, S169857

Speaker:



Dr Brian Kennedy
Distinguished Professor,
Department of Biochemistry and Physiology, Yong Loo Lin School of Medicine, NUS.

Host:

Dr Jacques Behmoaras
Assoc. Professor,
Program in Cancer and Stem Cell Biology
Deputy Director,
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No registration is required.
All are welcome.
Any enquiry, please contact :
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Abstract:

Ageing research has slowly gained momentum over the last three decades and now become a mature field of scientific endeavor. This has occurred only just in time, as aging is likely the largest medical challenge of the 21st Century. Ageing is now recognized as the biggest risk factor for the onset of chronic diseases and the biggest predictor of complications in many infectious diseases. Given that over 20% of the population will be over 65 years of age in the not-too-distant future, it is imperative that strategies are developed to slow or reverse ageing processes. Fortunately, as a result mostly of research in animal models, there are no shortage of interventions that have the potential to extend human healthspan. Delaying ageing in animals is one thing, but validating them for efficacy in humans is entirely different. Here, I will discuss strategies to "get human" illustrating possible interventions that have a likelihood of success and discussing the possible clinical endpoints to test them in the clinic. People have tried to delay or reverse ageing for millennia, and it certainly appears possible that this nearly ageless quest can be achieved in the near future.

About the Speaker:

Dr. Brian 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 detecting, delaying, preventing and treating human aging and associated diseases. He is a Distinguished Professor in Biochemistry and Physiology at the Yong Loo Lin School of Medicine at National University Singapore and serves as Director of (1) the Centre for Healthy Longevity at the National University Health System, (2) the NUS Medicine Healthy Longevity Translational Research Programme, and (3) the Asian Centre for Reproductive Longevity and Equality. Collectively, NUS aging research seeks to demonstrate that longevity interventions can be successfully employed in humans to extend healthspan, the disease-free and highly functional period of life.

From 2010 to 2016, Dr. Kennedy was the President and CEO of the Buck Institute for Research on Aging and he maintained a professorship there through 2020. Dr. Kennedy has an adjunct appointments at the Department of Biochemistry at the University of Washington, where he was a faculty member from 2001 to 2010. In addition, Dr. Kennedy is also actively involved with a number of Biotechnology companies. In addition, Dr. Kennedy serves as a Co-Editor-In-Chief at *Aging Cell*. Finally, Dr. Kennedy has a track record of interaction in China, where he was a Visiting Professor at the Aging Research Institute at Guangdong Medical College from 2009 to 2014. His Ph.D. was performed in the laboratory of Leonard Guarente at M.I.T., where he published the first paper linking Sirtuins to aging