DUKE NUS GRADUATE MEDICAL SCHOOL SINGAPORE

Signature Seminar Series

Advances in the understanding of mutational signatures in human somatic cells

ABOUT THE LECTURE

Somatic mutations in human cancers are generated by multiple mutational processes, each composed of specific DNA damage and repair components and leaving its own characteristic imprint, or *mutational signature*, on the genome. I will present our latest work on mutation signature discovery and an overview of our plans towards the biological understanding of mutational signatures.

For more information: https://www.sanger.ac.uk/research/projects/signaturesmutagenesis/

Speaker: ***Dr. Serena Nik-Zainal***
Cancer Genome Project
Wellcome Trust Sanger Institute

Host: ***Professor Steven Rozen***
Professor, Cancer & Stem Cell Biology Programme
Director, Centre for Computational Biology
Duke-NUS Graduate Medical School

Date: Tuesday, 6 October 2015

Time: 12.00 PM— 1.00 PM
(Light refreshments will be served at 11.30 AM)

Venue: Duke-NUS Graduate Medical School
Amphitheatre, Level 2

Contact Person: Ms Kathleen Chan, Duke-NUS Research Affairs Department
Tel: 6516 7255 or Email: kathleen.chan@duke-nus.edu.sg

ABOUT THE SPEAKER

Serena is a Group Leader at the Wellcome Trust Sanger Institute and explores patterns of mutations (or signatures) that arise in human cells to understand how DNA damage and DNA repair processes contribute towards aging and cancer. She is also an Honorary Consultant in Clinical Genetics at the Cambridge University Hospitals NHS Foundation Trust. Among her many high-profile papers are two back-to-back Cell papers on breast cancer in 2012 and a 2014 Nature Genetics paper on the role of germline polymorphisms in causing breast cancer mutations.

https://www.sanger.ac.uk/research/faculty/snikzainal/

