DUKE NUS GRADUATE MEDICAL SCHOOL SINGAPORE

Signature Seminar Series

Genome Bioinformatics: Past, Present, and Future

ABOUT THE LECTURE

Genome bioinformatics is an interdisciplinary field that develops computational techniques for understanding genome-scale data. It plays key roles in many areas of research as incredibly cheap sequencing becomes a ubiquitous foundational technology. The talk will focus on genome bioinformatics' current successes and challenges in the era of low-cost sequencing. I will highlight case studies from my laboratory's work, including analyses of cancer genomes, identification of mutation signatures of carcinogens in tumors, and study of alternative splicing in stomach cancer.

Speaker: ***Assoc. Prof. Steven Rozen***
Associate Professor, Cancer and Stem Cell Biology
Duke-NUS Graduate Medical School

Host: ***Prof. Patrick Casey***
Senior Vice Dean of Research
Duke-NUS Graduate Medical School

Date: **Tuesday , 28 October 2014**

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

Venue: **Duke-NUS Graduate Medical School**
Room 7C, Level 7

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

ABOUT THE SPEAKER

Steven Rozen directs the Duke-NUS Centre for Computational Biology and heads a laboratory that works in the areas of bioinformatics and cancer genomics. A major focus of Rozen's laboratory is harnessing the power of massively parallel, next-generation sequencing to discover mutations responsible for cancer. Rozen is a co-PI for the International Cancer Genome Consortium (ICGC) efforts to sequence bile-duct-cancer and lymphoma genomes, and he co-leads ICGC's Pan Cancer Analysis Working Group on Mutation Signatures.