

Sinergy SEMINAR SERIES

NUS Synthetic Biology for Clinical and Technological Innovation (NUS SynCTI)
Member of Singapore Consortium for Synthetic Biology (Sinergy)



Dr Sergio Peisajovich

Director of Scientific Research
Illumina Inc.

Protein Engineering, the unsung hero of next generation sequencing

Illumina sequencing technology has reduced the cost of genome sequencing from ~\$1B two decades ago to ~\$1K today. This remarkable achievement is the result of the integration of a vast array of different technologies, from biochemistry to optics and computer sciences. Our group, in particular, has been responsible for improving the efficiency of all the steps in a sequencing workflow that are mediated by enzymes. In this talk, I will present examples of how protein engineering has been fundamental to enable next generation sequencing.

Biography

Sergio Peisajovich joined Illumina Inc. in 2014, and currently he is Director of Scientific Research, Protein Engineering. Prior to joining Illumina, he was an Assistant Professor of Synthetic Biology at the University of Toronto between 2011 and 2014. His graduate and post-graduate academic training were done in the Weizmann Institute of Science and the University of California, San Francisco.

25th October 2018, Thursday | 2pm

CeLS Auditorium

syncti.org | sinergy.sg

hosted by: A/Prof Yew Wen Shan

For location details, please scan QR Code

