

THE GIS SPEAKER SERIES

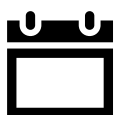


Elucidating Cancer Gene Expression From Transcriptome to Epitranscriptome to Proteome: Algorithms & Biomarkers

Prof. Paul BOUTROS

Professor, Cancer Center Director, and Senior VP Data Science
Sanford Burnham Prebys Medical Discovery Institute

Host: Anders SKANDERUP



Monday 17 November 2025
1.30pm – 2.30pm



GIS L2 – Seminar Room
60 Biopolis Street, Genome, Singapore 138672

About The Speaker

Paul Boutros, Ph.D., M.B.A., is a renowned data scientist who serves as Director of the NCI-Designated Cancer Center at Sanford Burnham Prebys, in San Diego California.

He earned his B.Sc. degree from the University of Waterloo in Chemistry in 2004, and his Ph.D. degree from the University of Toronto, Canada, in Medical Biophysics in 2008. At Toronto, he also earned an executive M.B.A. from the Rothman School of Management. In 2008, Boutros started his independent research career at the Ontario Institute for Cancer Research first as a fellow (2008–2010) and then as principal investigator (2010–2018). He moved to California to join the UCLA faculty in 2018. At UCLA he served as professor in the departments of human genetics and urology, Vice-Dean for Research and Director of Cancer Data Science. He relocated to Sanford Burnham Prebys in 2025 to take leadership of its Cancer Center, and he also serves as the Senior Vice President for Data Science there.

About The Seminar

The cancer genome is remarkably complex. Its evolution drives the initiation, progression and ultimate lethality of the disease. But how are somatic genomic aberrations functional? In the vast majority of cancers, their effects are mediated through gene-expression changes. We will discuss the linkages between the cancer genome and downstream gene-expression, with a focus on prostate cancer. Key stories will focus on large-scale primary-patient m6A profiling and new methods to quantify the “dark proteome” of cancer.