Title: “Transitions in epigenetic landscapes in response to accumulation of DNA damage”

Abstract: Living things undergo an increase in entropy, which manifests itself in a loss of genetic and epigenetic information. Changes in epigenetic landscapes have been identified in cancer and ageing. In this talk, I will present a pipeline based on chemical reaction network theory and dimension reduction techniques to study how such transitions occur under an accumulation of DNA damage and identify epigenetic drivers that could lead to delay/ hinder them.