

**SPEAKER:** Dr. Shirin Moghaddam, University College Cork.

**TITLE:** Bayesian Approach to Impute Right Censored Data

**ABSTRACT:** In time-to-event studies, due to censoring, methods of plotting individual survival time, such as density plots, are invalid. The median survival is often used as a summary of the survival experience of a patients' population. However, it is unlikely that the median is a relevant summary at the patient level and a density plot of the data is perhaps more informative for communication than a single summary statistic. A fundamental idea in this research is to consider censored data as a form of missing, incomplete, data and use approaches from the missing data literature to handle this issue. Parametric Bayesian and non-parametric Bayesian methods are considered to impute right-censored survival data to achieve this aim.