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Point Processes and Applications

This talk will discuss point processes in \mathbb{R}^d , $d = 1, 2$. We will consider some applications to bio-systems. Some questions of statistical inference will also be considered. In order to implement some of the inference methods one needs to consider approximations to the sampling distributions of certain statistics. These approximations are typically limit theorems, but currently parametric and non parametric bootstrap methods are of increasing interest.