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Network aspects of chromosome interactomes

Tuesday, March 29, 2011 1:30 PM (1 hour)

DNA is folded into increasingly complex yet highly mobile structures to organize the chromosomes. In this talk I will describe work with Rolf Ohlsson's lab at KI where we have tried to quantify whether chromosome-chromosome interactions are random or not, and (if it is not) can we say something about the network structure of such interactions. The key experimental technique is high throughput sequencing of both read (short segments) known to interact with a known bait sequence, as well as chimeric reads containing pieces from different locations, in addition to the bait.

Presenter: Prof. AURELL, Erik (KTH)