Hi-C contact probability scaling is consistent with the fractal globule from L. Mirny, *Chromosome research*, vol. 19, no. 1, pp. 37–51, Jan. 2011.
Human chromosomes form separate "territories"


Biological implications of fractal globule

- gene colocalization
- DNA search / repair
- frequency of genomic alterations (e.g. cancer)
- mechanism of mitotic condensation
Biological implications of fractal globule: chromatin decondensation