



Super-spreaders in the Corona Epidemics.

Tuesday, 16 June, 2020



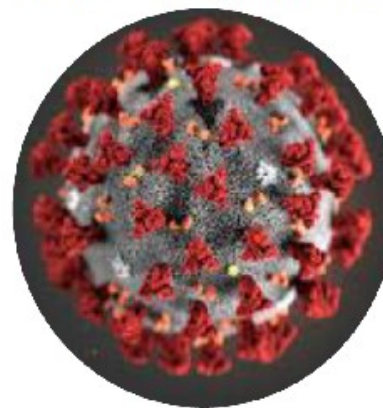
Webcast 16:00 h

Kim Sneppen (Niels Bohr Institute, Copenhagen Univ.)

Recently a powerful example of a replicating nano-machinery entered our society. In principle it is just a normal disease that one attempts to model with 3 or 4 simple coupled equations with 2 important parameters: a timescale, and a replication factor (the famous R_0). Then one tries to guess how changes in society will change R_0 , and perhaps one will adapt some more or less strong lock-down measures. However, this virus has more “personality” than that. It behaves differently in different persons, and persons behave differently. Perhaps only a few of us infect a lot of people while most do not infect so many. I will discuss this and other aspects of Covid-19 in perspective of models that describe heterogeneous individuals in society.

In particular we find that mitigating superspreading opportunities opens up an opportunity for a cost effective way to mitigate Covid-19 and to prevent second waves.

One microscopic event in November:



0.0001 mm

Kim Sneppen, May 2020

Conquered the world in April



10.000.000.000 mm

Please note: This is a VIDEO COLLOQUIUM!

Connection details at: <https://desy.zoom.us/j/99616528733>



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