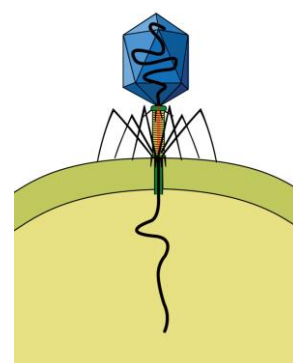
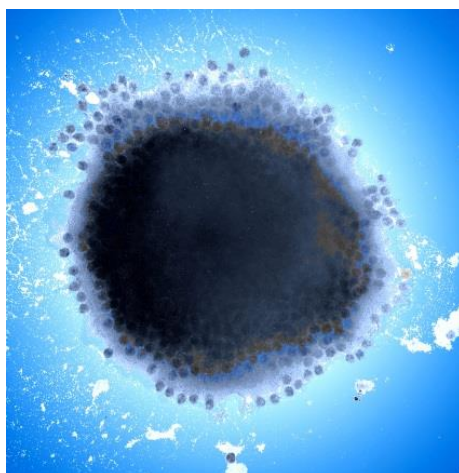
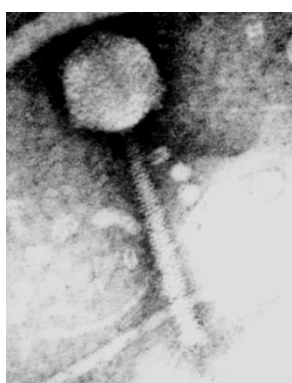


DSFMB Fyraftensmøde

Torsdag den 31. marts, 2016, 17:00-19:00

Sted: Universitetsparken 4, 3. sal, 2100 København Ø. (overfor Zoologisk Museum)

**Marine virus-bacteria interactions:
Nanoscale processes with global scale implications**



Viruses are ubiquitous, abundant, and dynamic components of environmental communities and are found in all the world's ecosystems from deep-sea sediments to freshwater lakes. There are approximately 10 million viruses per milliliter of seawater and 1 billion viruses per gram of soil or sediment, which makes viruses the most common biological entities on Earth. By infecting and subsequently killing a large fraction of marine bacteria, viruses are key players in the marine ecosystem. Thus, even though they act at the smallest scale of biological activity, viruses have significant influence on biological processes at all levels in the marine environment, from microscale bacterial community dynamics and evolution to global nutrient cycling. Further, since viruses are natural enemies of bacteria, they can also be used to control pathogens in marine aquaculture as an alternative to antibiotic treatment.

The presentations summarize the present knowledge on the roles of viruses in the marine environment and on the application of viruses in disease control in aquaculture.

Professor Mathias Middelboe og post doc Daniel Castillo fra Marinbiologisk Sektion, Københavns Universitet

Alle er velkomne. Studerende er gratis, og alle andre kan deltage i første møde uden at være medlem.