



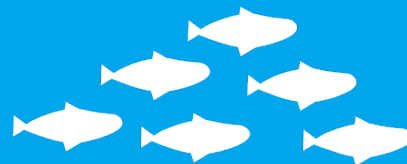
Veterinærinstituttet
Norwegian Veterinary Institute

Hvordan oppstår sykdomsfremkallende ILA-virus?

Johanna Hol Fosse

Veterinær og forsker, Seksjon for immunologi og virologi

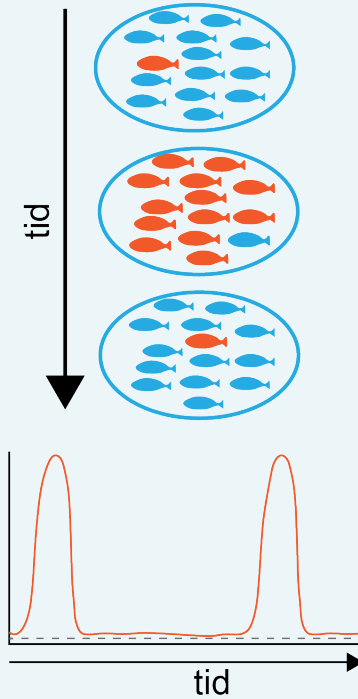
11.03.2021





Infeksiøs lakseanemi

HPR0

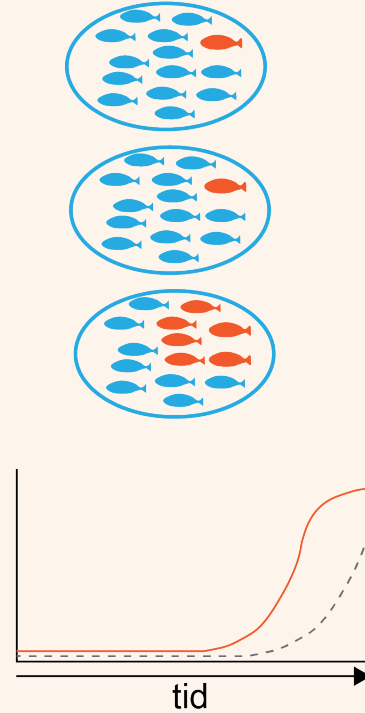
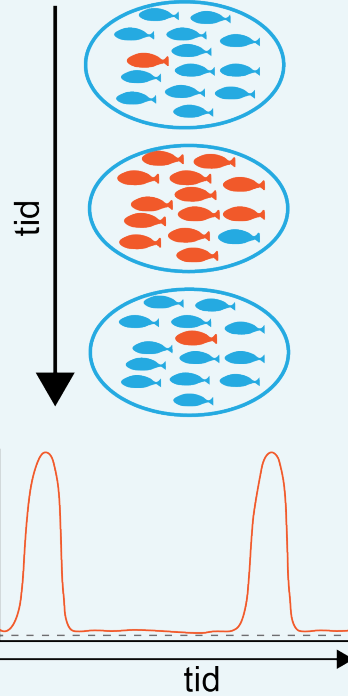


— Virus - - - Dødelighet  Fisk  Infisert fisk

HPR0

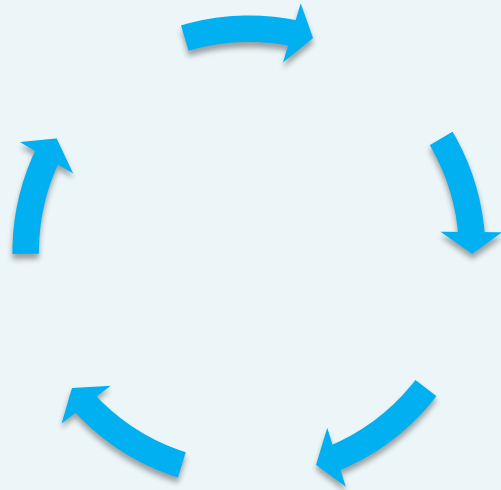


HPRΔ



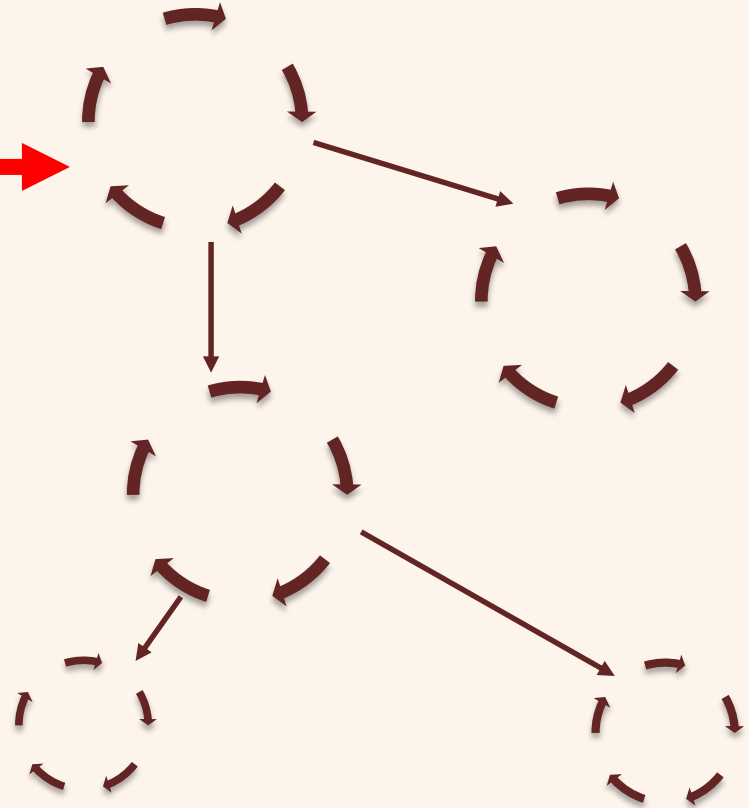
— Virus - - - Dødelighet  Fisk  Infisert fisk

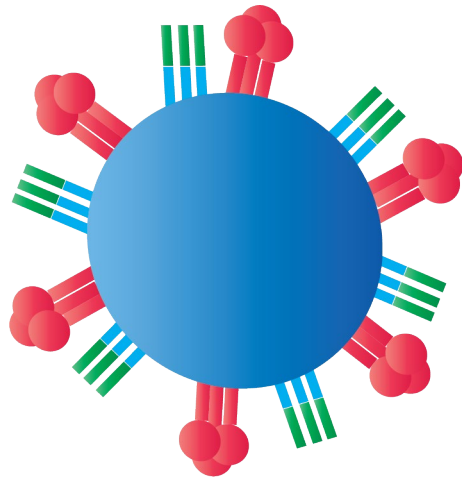
HPR0



?

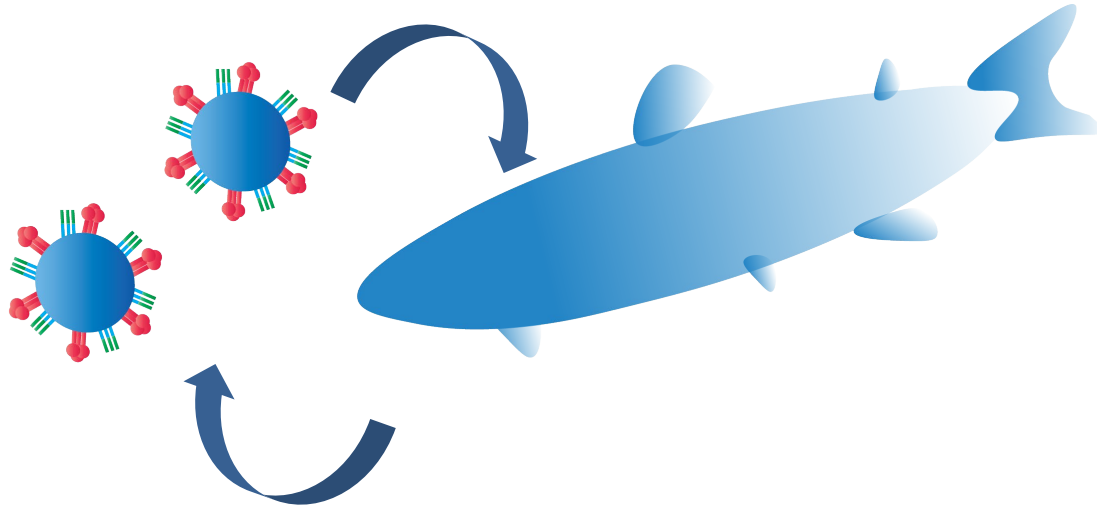
HPRΔ



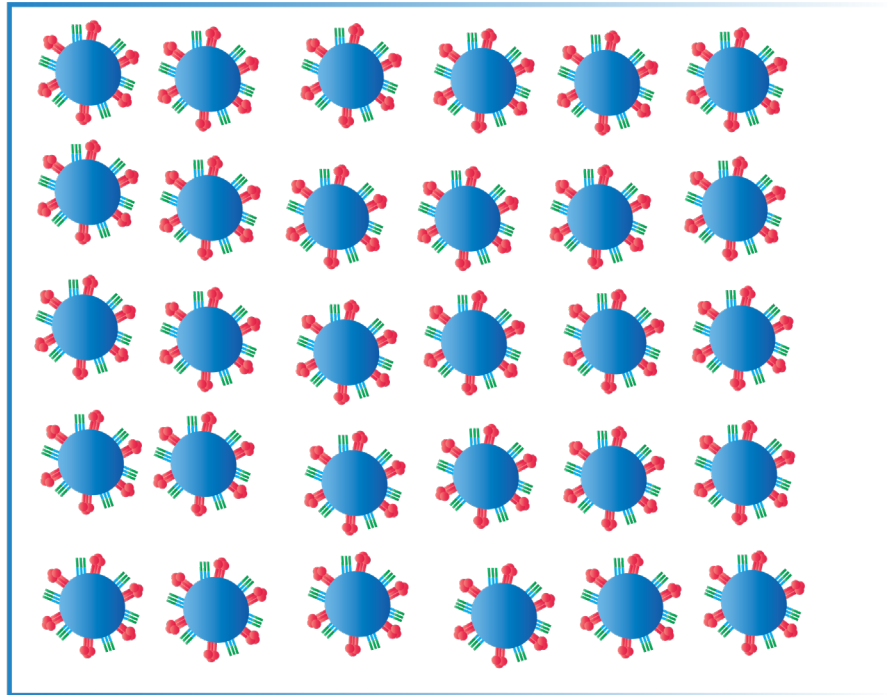
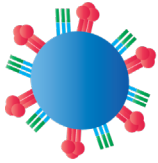


KOPIERE SEG SELV
SMITTE NYE INDIVIDER

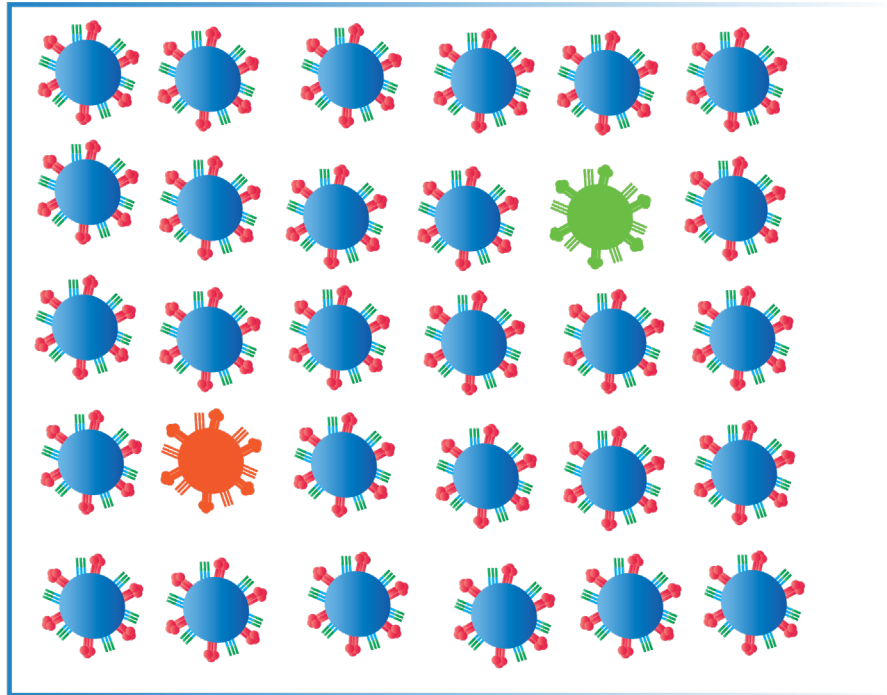
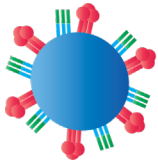
Avhengig av vertscellen



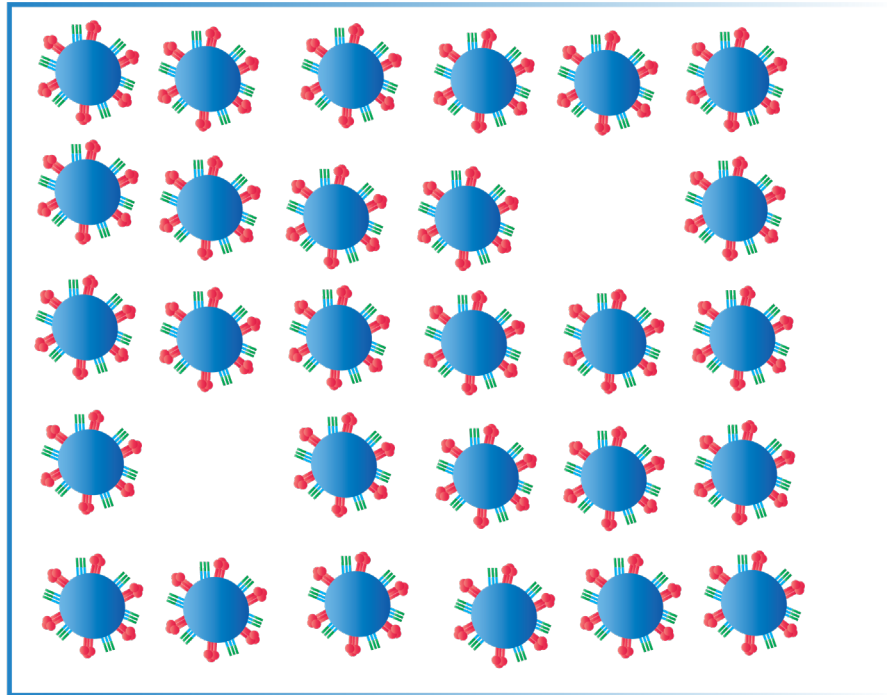
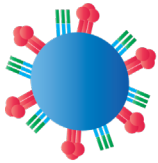
Tilpasser seg verten



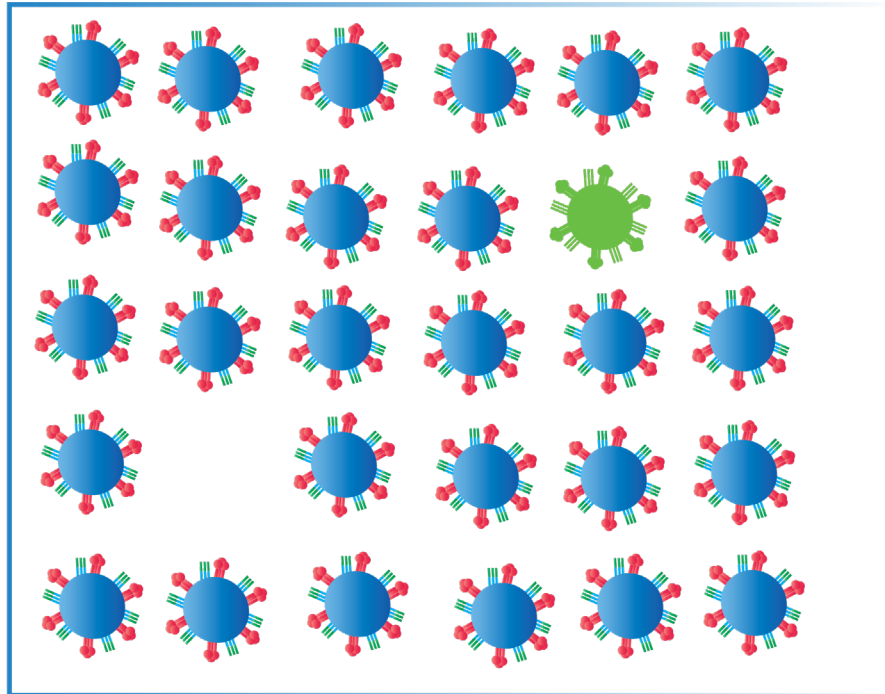
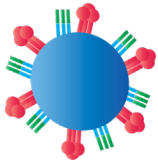
Tilpasser seg verten



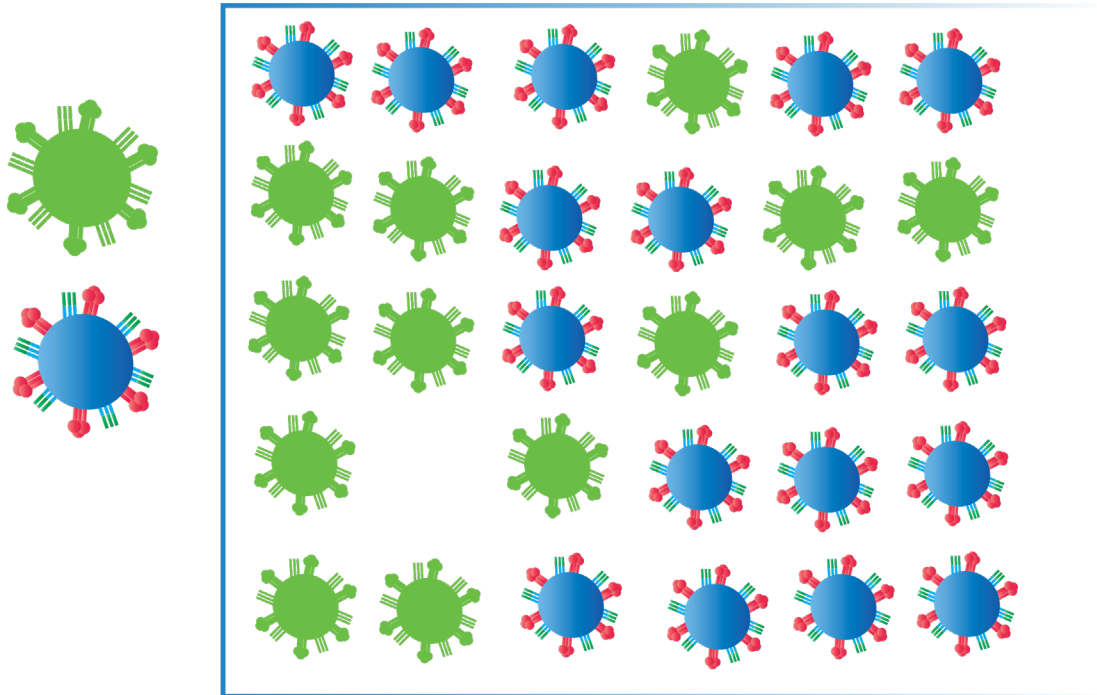
Tilpasser seg verten



Tilpasser seg verten

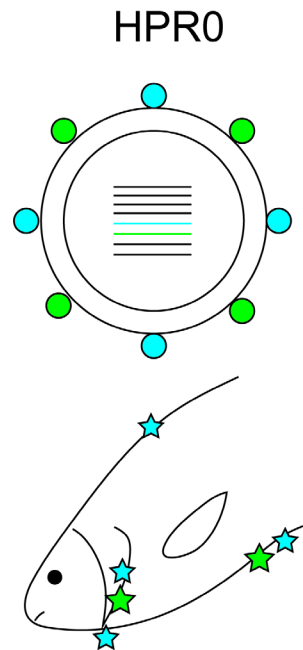


Tilpasser seg verten



HPR0 - et veltilpasset virus

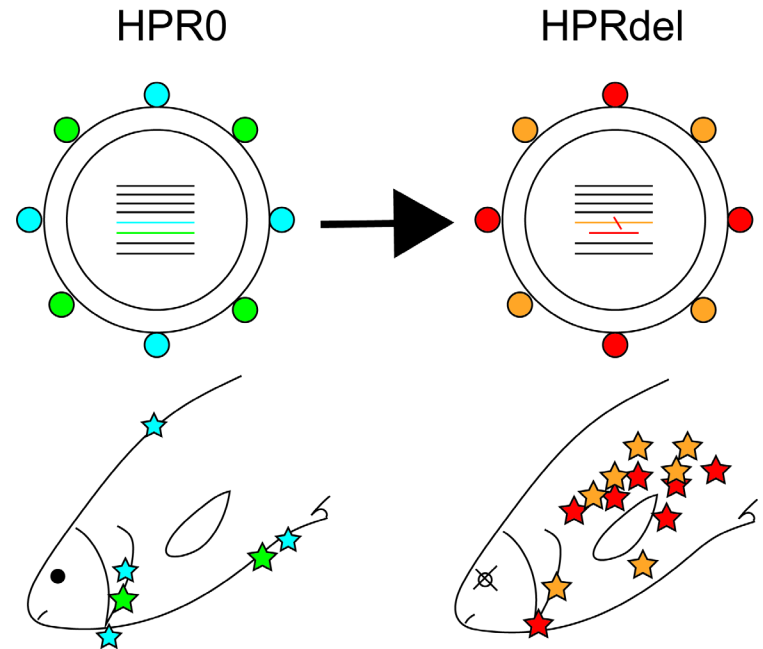
- Veldig smittsom
- Overflateinfeksjon
- Bekjempes raskt



Christiansen m.fl. 2011, Aamelfot m.fl. 2016

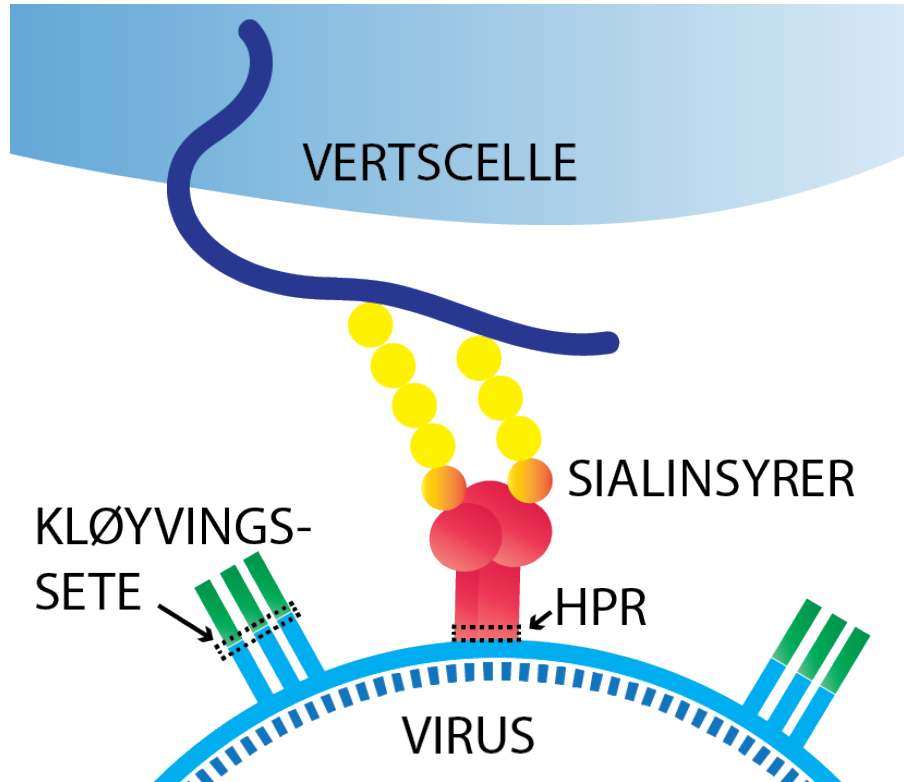
Likevel oppstår av og til HPR Δ

- Sprer seg til blodkar og indre organer
- Forårsaker sykdom

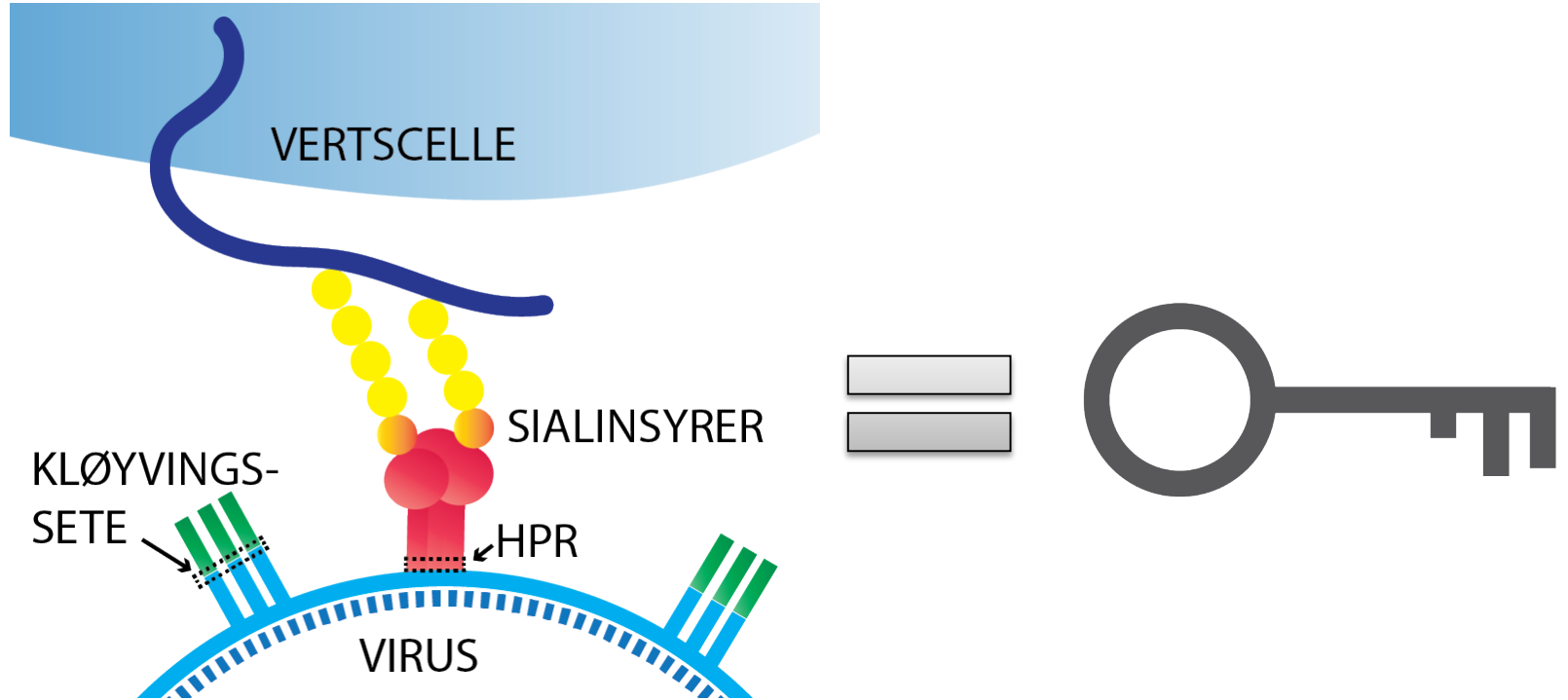


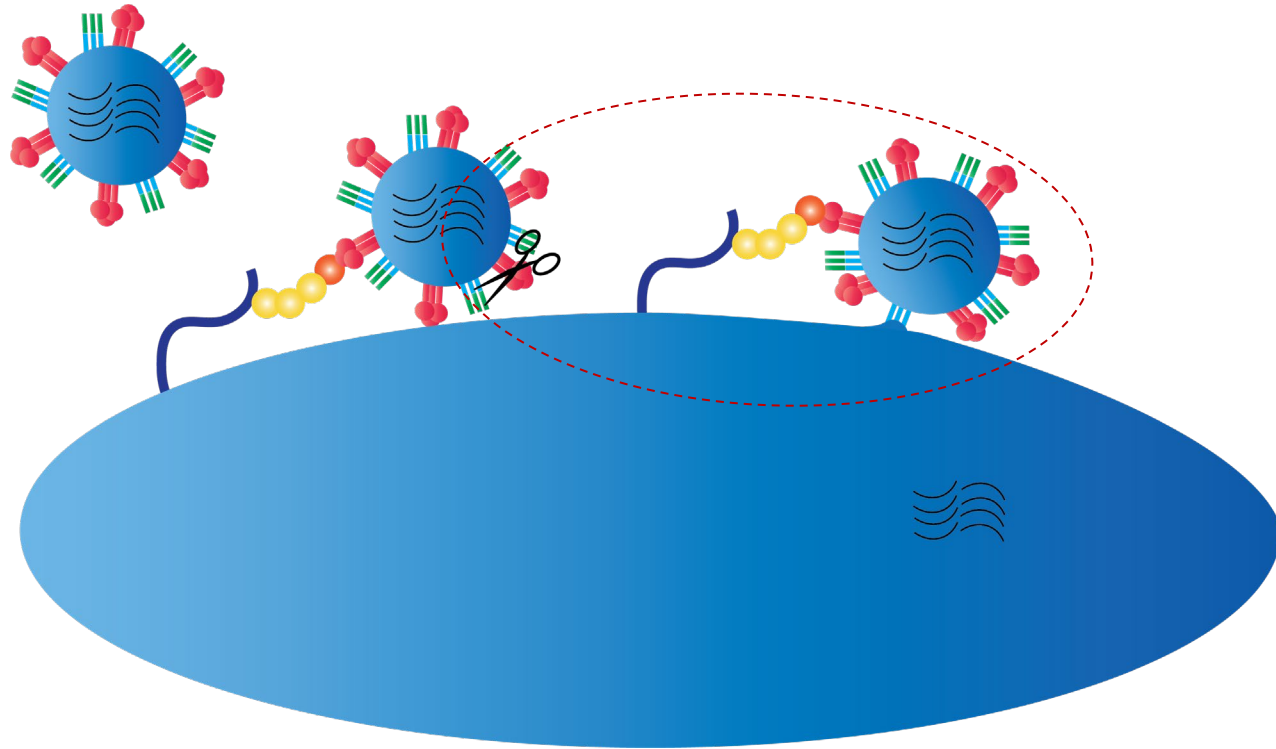
Aamelfot m.fl. 2012, 2014

Overflateproteinene forandrer seg i HPR Δ

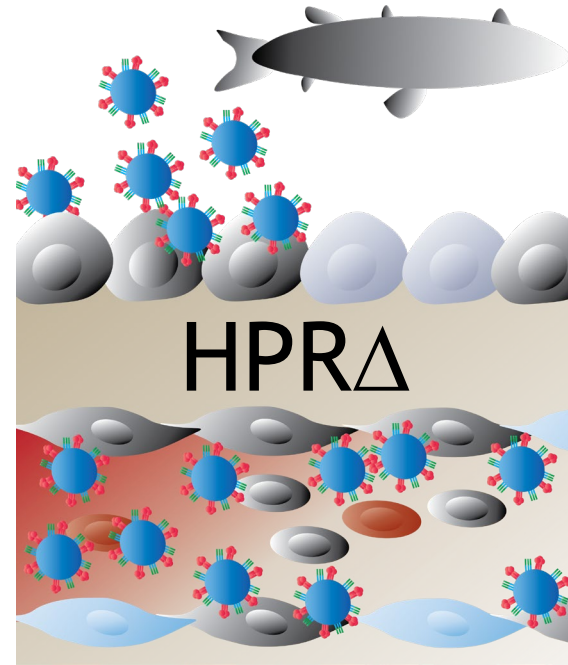
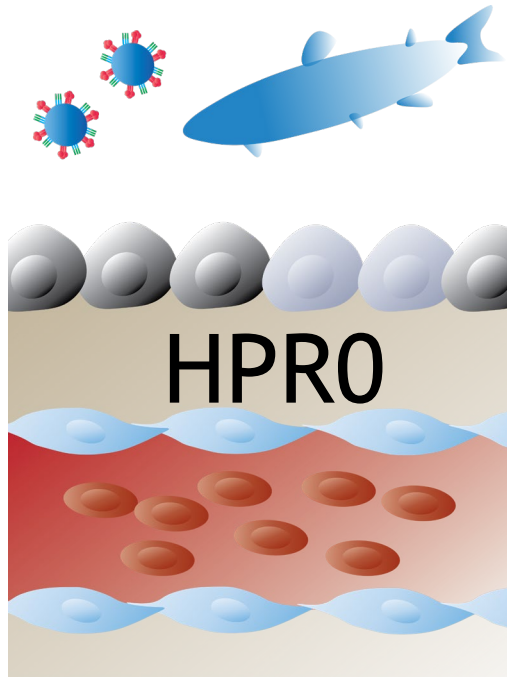


Disse proteinene hjelper viruset inn i cellen





Infeksjon av flere celletyper er knyttet til sykdom



Aamelfot m.fl. 2012, 2016

HPR0

Virusmengde
og variasjon

Fiskens
slimhinner

Fiskens
immunrespons

HPRΔ

Tusen takk til



Debes Christiansen



Knut Falk

Mona Dverdal Jansen

*Faglig ambisiøs, fremtidsrettet og
samspillende - for Én helse!*



Veterinærinstituttet
————— *Norwegian Veterinary Institute*

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