

Innate recognition and evasion of cytosolic herpesvirus DNA

Chenglong Sun, PhD student at the Department of Biomedicine, will on 21st November 2016 defend his PhD dissertation with the title: "Innate recognition and evasion of cytosolic herpesvirus DNA".

Chenglong Sun and colleagues have investigated immune-activation and evasion by a murine gamma-herpesvirus (MHV68). They found that this virus uses a so-called deubiquitinase (DUB) activity embedded in the virus particle to prevent immune-activation. This was found to be important for the ability of the virus to establish latent infection.

In another part of the PhD project, an RNA interference screen was used to identify an enzyme that targets the viral protein coat for degradation. A protein called MARCH8 was identified, and is currently being characterized.

The defence is public and takes place on 21st November 2016 at 1253-317 William Scharff (søauditorierne), Aarhus University, 8000 Aarhus C, 13:00-15:00.

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