

KJELDGAARD Lecture - Professor Andreas Wack

Thursday 18 November 2021 at 14:15—15:00

Followed by PhD-session at 15:30—16:00

(Coffee and cake will be served between lecture and PhD-session)

1593-012 (iNANO)

Gustav Wieds Vej 14, 8000 Aarhus C

Host: Rune Hartmann



Professor Andreas Wack, PhD
Senior Group Leader, Immunoregulation Laboratory,
The Francis Crick Institute, London

The bright and dark sides of interferon responses in respiratory viral infections

Interferons (IFNs) were discovered and named for their ability to induce an antiviral state in infected cells, but they also have immunomodulating, anti-proliferative and pro-apoptotic functions. The combined effect of all these IFN-driven processes determines whether IFNs improve or aggravate the course of disease in viral infection. I will present the multifaceted roles of IFNs and discuss the parameters that tip the balance between protective and deleterious effects. Consequences for prophylactic and therapeutic IFN treatment options, as well as more surgical interventions than adding or blocking IFNs, will be highlighted.