

# JOIN US FOR OPEN SEMINAR



**April 15, 2025, Tue, 13:45-16:00 (estimated)**

**@Room# 110(1st floor) of Laboratory of**

**Advanced Research A <総合研究棟A110号室>**

**Complement C3 is a surface  
contact activated protein**

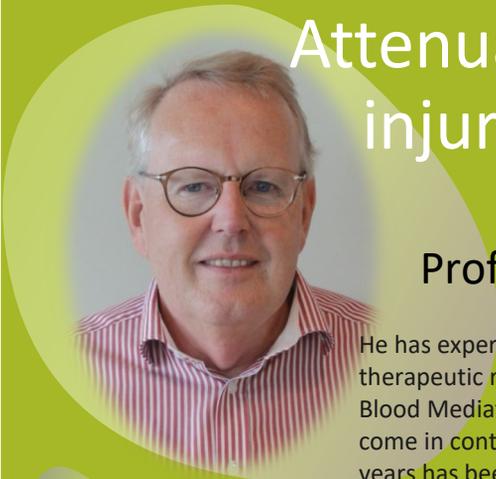
**Speaker: Prof Kristina Nilsson Ekdahl**  
Professor at Uppsala University, Sweden



After earning her PhD in medical chemistry from Uppsala University, she has been engaged in research regarding the regulation of innate immunity, in particular complement. This includes translational research ranging from basal studies such as the structure and function of complement component C3 to a number of pioneer studies of platelet mediated extracellular phosphorylation of plasma proteins.

**Attenuation of ischemia reperfusion  
injury in kidney transplantation**

**Speaker: Prof Bo Nilsson**  
Professor at Uppsala University, Sweden



He has expertise in the activation mechanisms of the innate immune response and therapeutic regulation and contributed to the discovery and characterization of the Instant Blood Mediated Blood Reaction (IBMR) occurring when non-blood cells and cell clusters come in contact with blood. The central research focus of prof Nilsson's research since 40 years has been basal studies of complement component C3 including resolving its crystal structure. In addition, he is involved in numerous preclinical studies of nanoparticles, liposomes and implant biomaterials interactions with the immune system in whole blood models towards cell therapies for clinical trials and strategies to improve the outcome of kidney transplantation.

**Inquiry: Office of Master's/Doctoral Program in Life Science Innovation**  
Phone:029-853-3662, e-mail: [tsi\\_office@un.tsukuba.ac.jp](mailto:tsi_office@un.tsukuba.ac.jp)