

Meeting in Danish Society of Immunology

Time: Wednesday June 28th, 2017 at 4.00 pm

Place: Henrik Dam Auditorium, The Panum Institute, University of Copenhagen, Blegdamsvej 3, 2200 Copenhagen N

Organizers: Graduate Program of Immunology and Infectious Diseases and Danish Society of Immunology.

ABSTRACT

Recent Advances in Our Understanding of HLA-G Biology: Lessons from a Wide Spectrum of Human Diseases.

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HLA-G is a HLA-class Ib molecule with potent immunomodulatory activities, which is expressed in physiological conditions, where modulation of the immune response is required to avoid allograft recognition (i.e., maternal-fetal interface or transplanted patients). However, HLA-G can be expressed de novo at high levels in several pathological conditions, including solid and hematological tumors and during microbial or viral infections, leading to the impairment of the immune response against tumor cells or pathogens, respectively. On the other hand, the loss of HLA-G mediated control of the immune responses may lead to the onset of autoimmune/inflammatory diseases, caused by an uncontrolled activation of the immune effector cells. A review on novel findings on HLA-G functions in different physiological and pathological settings will be presented, confirming the important role of this molecule in the modulation of the immune system.