



# **NSI Meeting Announcement**

**Date: Wednesday, September 13, 15:00 – 16:00**

**Venue: Rikshospitalet, Seminar room A3.3067**

## **Guest lecture**

by

**Professor emeritus Kristian Hannestad**

**Institute of Immunology,  
University of Oslo and  
Rikshospitalet Radiumhospitalet Medical Centre**

**“Retrospective:  
Via rheumatoid factors (autoantibodies to IgG Fc) to  
polyspecific antibodies and autoimmunogenic  
antibodies”**

### **Abstract**

Rheumatoid factors (RFs) are autoantibodies (autoAbs) to the Fc part of immunoglobulin (Ig) G, and are found among 60-80% of patients with rheumatoid arthritis (RA), a disease of obscure etiology. It will be demonstrated how RFs can reveal immune complexes in the rheumatoid joint, indicating that RFs can play a part in the inflammation of RA. Strange cross-reactions involving RFs will be shown that conflict with the rules of Landsteiner. Some RFs are thought to result from autoimmune responses to IgG in immune complexes, thus raising the possibility that Abs can elicit autoimmunity against themselves. Experiments will be delineated indicating that the most autoimmunogenic part of an Ab is its idiotype (Id), and the contrast between the specificity of anti-Id T helper (Th) cells and anti-Id Abs will be shown in a model system. Th cells against an IgG allotype will be demonstrated to suppress that allotype in vivo, indicating that B cell antigen receptors (BCRs) are Th cell targets. Some rules that may govern the immunogenicity of Ab Id will be presented, which is relevant for the use of Abs as drugs. Finally, hypothesis regarding the physiological role of Ab-autoimmunogenicity will be mentioned.

**Refreshments will be served**

**Welcome all!**



**Norwegian Society for Immunology  
[www.norwegianimmunology.org](http://www.norwegianimmunology.org)**