

# SIgN Immunology Seminar

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Host: Dr Lucia Mori  
Singapore Immunology Network, A\*STAR  
Date: Friday, 16<sup>th</sup> December 2011  
Time: 10am – 11am  
Venue: SIgN Seminar Room, Immunos Building Level 4, Biopolis

## **The affinity clock: Molecular collisions control T cell -tolerance, -activation and -autoimmunity**

The T cell receptor's affinity for antigen is perhaps the single most important variable in determining self-tolerance, T cell activation and autoimmunity. Yet, how T lineage cells read antigen affinity is not well understood. The talk will focus on the principle of affinity, how thymocytes and T cells interpret antigen affinity and how antigen affinity directs appropriate T cell responses.