

# SlgN Immunology Seminar



## Dr John Thornback

Managing Director, APTA Biosciences  
Department of Chemistry, Imperial College,  
London

**SELIGO: Novel synthetic alternatives to monoclonal antibodies.**

*Host*  
Dr Katja Fink  
Singapore  
Immunology  
Network, A\*Star

*Date*  
**Monday**  
**27 October**  
**2014**

*Time*  
11 am – 12 pm

*Venue*  
SlgN Seminar  
Room  
Immunos  
Building  
Level 4  
Biopolis

Apta has developed a new type of molecule for use in synthetic biology. Termed SELIGO these molecules consist of a DNA scaffold which supports a surface exposing amino acid derived moieties. Apta has developed a library of  $10^{13}$  of these unique molecules that when screened against protein targets bind with nanomolar affinity. Apta is interested in making the screening technology and the library available to all research groups in SlgN. In this talk, the science behind SELIGO technology will be explained as well as examples of projects that have been successfully completed with academic and industrial partners.