

### **01-Plenary 3**

#### **Designing Bio-inorganic Nanomaterials for Ultrasensitive Biosensing,**

M. M. Stevens, Imperial College London

This talk will provide an overview of our recent developments in the design of nanomaterials for ultrasensitive biosensing. Our recent simple conceptually novel approaches to real-time monitoring of protease, lipase and kinase enzyme action using modular peptide functionalized gold nanoparticles and quantum dots will be presented.