

**Abstract - Presentation for the Workshop " Early Discovery of New Antibiotics"  
Paris 12-13 January 2017**

<b>Name of speaker:</b>	Mathias Winterhalter
<b>Name of presentation:</b>	Introduction to Translocation/ND4BB platform



**Abstract: Translocation, a component of the IMI initiative New Bugs for Bad Bugs (NB4BB).**

This 5-year project strives to bring new understanding to the molecular mechanisms by which drugs enter and exit Gram-negative bacteria. This knowledge will be gained through using novel assays to measure penetration and efflux processes, coupled with high resolution structural data on porins, siderophore receptors and efflux-pumps and combined with all-atom molecular simulations by which the molecular path of small molecules can be examined in detail. TRANSLOCATION will also help streamlining the design and development of new drugs by creating a cross Topic database, the 'ND4BB Information Centre' for pre-existing and on-going antibacterial research data.