
The 2019 Edmond de Rothschild chair

Rik van Veen

Reader in Molecular Pharmacology
Fellow of Clare College
University of Cambridge

Tuesday June 25th at 11am
Bibliothèque Edmond de Rothschild

On the trail of understanding antibiotic resistance -
molecular mechanisms of multidrug transporters

The introduction of antibiotics has revolutionised human and veterinary medicine. But the rise in antibiotic resistance among pathogenic micro-organisms is reversing the progress that was made. The seminar will focus on the ability of micro-organisms to resist the toxicity of antibiotics through the actions of multidrug transporters. These transporters mediate the active extrusion of structurally-dissimilar compounds from the cell, thereby preventing the binding of antibiotics to their intracellular targets. The seminar provides answers to intriguing questions on the promiscuity in substrate recognition, energy utilisation and physiological functions of these fascinating membrane proteins.

This lecture will be followed by a cocktail in the hall of the IBPC