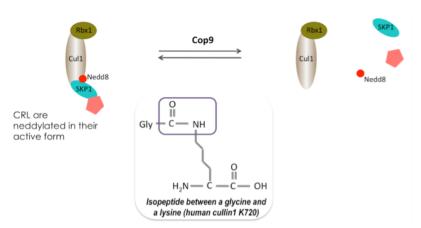
Technion Ubiquitin Studies Section

Sunday November, 29th 2015 @ 16:00 Emerson #417 Conference Room

Prof. Aude Echalier

(Departments of Molecular and Cell Biology and of Cancer Studies University of Leicester, UK)

'Regulation of the ubiquitin system by the COP9 signalosome'





Cullin RING E3 ubiquitin ligases (CRLs) that carry out protein ubiquitylation are tightly regulated through multiple mechanisms. Efforts in Prof Echalier's group focus on the regulation of CRLs by the COP9 signalosome through its deNEDDylase activity that corresponds to the removal of NEDD8 from the CRL scaffolding subunit, Cullin. Recent biochemical, structural and bioinformatic study of the COP9 signalosome brought further elements to understand its role in CRL function.