

Subunits organization and communication in an hexameric AAA+ ATPase involved in transcription regulation

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Abstract:

AAA+ protein (ATPases Associated with various cellular Activities) are present in all kingdom of life and are involved in almost all the cellular processes. These mechano-chemical proteins share a common core, which after oligomerisation, use ATP hydrolysis to adopt different functional states allowing substrate remodeling in order to fulfill their biological function.

I will discuss the recent advances concerning the oligomer organization required for efficient activity of AAA+ protein, using as model system a transcriptional activator activated during phage infection.

Friday, January 24th, 2014, 13:00

Room PH 127