Les Séminaires de l'IPBS

SEMINAIRE du DEPARTEMENT
"Biologie du Cancer"

Achille Pellicioli

Mardi 2 juin 2009 à 11h

"Cell cycle kinases regulate the checkpoint transducer Rad53 in yeast."

Protein kinases are fundamental regulators of cellular metabolism and cell cycle progression; therefore, understanding how they are regulated is very important for the comprehension of many cellular aspects. The yeast Saccharomyces cerevisiae is widely accepted as an ideal model organism to study cell cycle and checkpoint-related events and, by using this experimental model system, we are studying the regulation and functional roles of the checkpoint kinase Rad53 (Chk2 in higher eukaryotic cells).

We found that cell cycle kinases CDK1 and polo-like Cdc5 influence Rad53 activities in orchestrating cell cycle progression in the presence of DNA damage and/or morphogenetic anomalies.

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