



Proteine Proteine Interaction Rad51

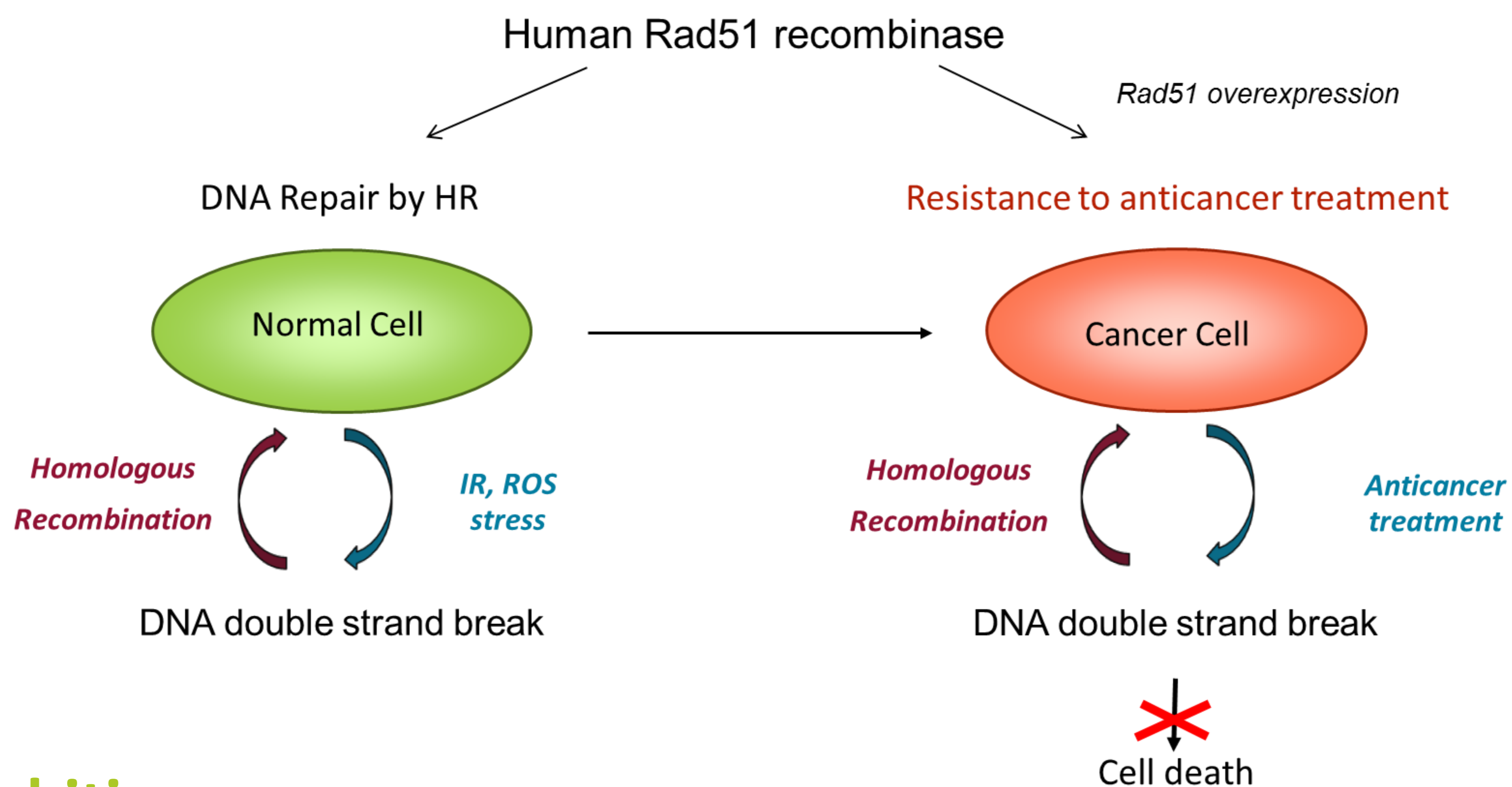


Context :

Anti-cancer therapies frequently encounter induced and intrinsic radio- and chemoresistance. This can be due to some DNA repair pathways which restore the DNA of cancer cells, damaged during radio- or chemotherapies. These **mechanisms have since emerged as therapeutic targets** of interest to sensitize tumors.

Rad51

Rad51 is therefore today a relevant target to modulate HR and thus potentiate antitumor treatments. These **inhibitors may interfere with protein-protein interactions** that are directly involved in some steps of Rad51 activity and thus lead to limit the HR repair pathway



Goals and ambitions :

The results thus obtained can **offer therapeutic interest developing novel sensitizing agents for anticancer therapies** but also fundamental interest in better **understanding of the mechanism** of DNA repair by HR.

Moyens :

1 PhD

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