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Using functional genetic screens to understand and overcome PARP inhibitor resistance

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Mariana Paes Lobo Lopes Dias

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About the cover:

One of the main findings of this thesis is that induction of post-replicative single-stranded DNA (ssDNA) gaps can revert resistance to PARP inhibitors in cancer cells. This cover depicts a subway-like network where each line represents a replicating DNA strand. Divergent lines represent replication forks and spaces between thinner lines indicate the ssDNA gaps. The “Mind the ssDNA gap” symbol alludes to the widely known London Tube “Mind the gap” warning.

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