PUBLISHER CORRECTION**The essential kinase ATR: ensuring faithful duplication of a challenging genome.***Joshua C. Saldivar, David Cortez and Karlene A. Cimprich**Nature Reviews Molecular Cell Biology* **18**, 622–636 (2017)

In the original article, references 36, 68 and 110 contained mistakes. These have now been corrected in the HTML and PDF versions of the article.