Cold Spring Harb Perspect Biol 5: a012575 (2013)

DNA Repair by Reversal of DNA Damage

Chengqi Yi and Chuan He

In the original version of this article, Chengqi Yi should have been listed as a co-corresponding author. The publisher apologizes for this omission. His contact information has been added to the current version of this article.

Cold Spring Harbor Perspectives in Biology

DNA Repair by Reversal of DNA Damage

Chengqi Yi and Chuan He

Cold Spring Harb Perspect Biol 2014; doi: 10.1101/cshperspect.a023440

Subject Collection [DNA Repair, Mutagenesis, and Other Responses to DNA Damage](#)

DNA Repair by Reversal of DNA Damage

Chengqi Yi and Chuan He

Replicating Damaged DNA in Eukaryotes

Nimrat Chatterjee and Wolfram Siede

DNA Damage Sensing by the ATM and ATR Kinases

Alexandre Maréchal and Lee Zou

Repair of Strand Breaks by Homologous Recombination

Maria Jasin and Rodney Rothstein

Advances in Understanding the Complex Mechanisms of DNA Interstrand Cross-Link Repair

Cheryl Clauson, Orlando D. Schärer and Laura Niedernhofer

Ancient DNA Damage

Jesse Dabney, Matthias Meyer and Svante Pääbo

DNA Damage Response: Three Levels of DNA Repair Regulation

Bianca M. Sirbu and David Cortez

Alternative Excision Repair Pathways

Akira Yasui

DNA Repair by Reversal of DNA Damage

Chengqi Yi and Chuan He

Translesion DNA Synthesis and Mutagenesis in Prokaryotes

Robert P. Fuchs and Shingo Fujii

Nucleosome Dynamics as Modular Systems that Integrate DNA Damage and Repair

Craig L. Peterson and Genevieve Almouzni

DNA Damage Responses in Prokaryotes: Regulating Gene Expression, Modulating Growth Patterns, and Manipulating Replication Forks

Kenneth N. Kreuzer

Nucleotide Excision Repair in Eukaryotes

Orlando D. Schärer

Biology of Extreme Radiation Resistance: The Way of *Deinococcus radiodurans*

Anita Krisko and Miroslav Radman

Mammalian Transcription-Coupled Excision Repair

Wim Vermeulen and Maria Fousteri

DNA Repair at Telomeres: Keeping the Ends Intact

Christopher J. Webb, Yun Wu and Virginia A. Zakian

For additional articles in this collection, see <http://cshperspectives.cshlp.org/cgi/collection/>

**All Modifications and
Oligo Types Synthesized**

Long Oligos • Fluorescent • Chimeric • DNA • RNA • Antisense

Oligo Modifications?

Your wish is our command.