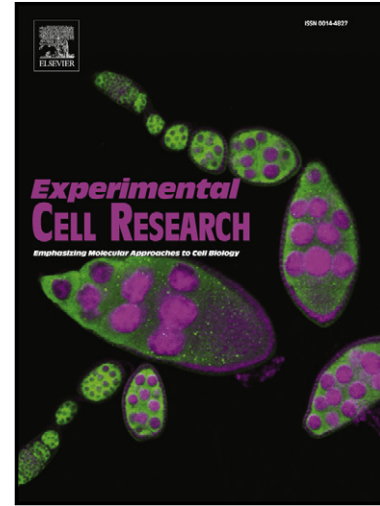


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Neil Humphryes, Andreas Hochwagen



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A Non-Sister Act: Recombination Template Choice During Meiosis

Neil Humphryes and Andreas Hochwagen*

Department of Biology, New York University, New York, USA

* To whom correspondence should be addressed: andi@nyu.edu

Abstract

Meiotic recombination has two key functions: the faithful assortment of chromosomes into gametes and the creation of genetic diversity. Both processes require that meiotic recombination occurs between homologous chromosomes, rather than sister chromatids. Accordingly, a host of regulatory factors are activated during meiosis to distinguish sisters from homologues, suppress recombination between sister chromatids and promote the chromatids of the homologous chromosome as the preferred recombination partners. Here, we discuss the recent advances in our understanding of the mechanistic basis of meiotic recombination template choice, focusing primarily on developments in the budding yeast, *Saccharomyces cerevisiae*, where the regulation is currently best understood.

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