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REVIEWS

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MICROBIOLOGY



SMALL-GAME HUNTERS

The changing face of pathogen discovery

West Nile virus and the host response

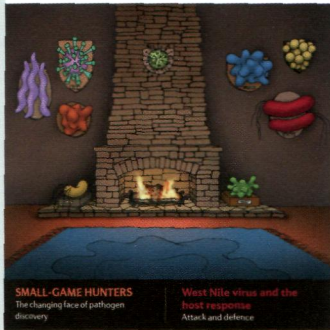
Attack and defence



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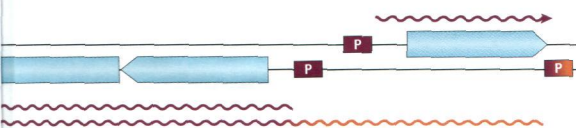
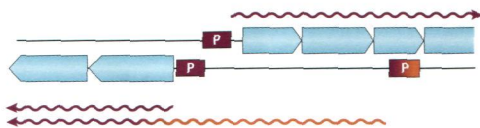
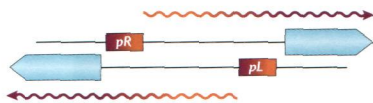
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► COVER: 'Small-game hunters' by Philip Patenall, inspired by the Essay on p133.

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Fungal systematics: is a new age of enlightenment at hand?

David S. Hibbett and John W. Taylor

Fungal taxonomy has recently undergone its biggest shake-up and embraced the modernization of its nomenclatural rules. Here, Hibbett and Taylor describe these changes and what their implications might be for fungal researchers.

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The changing face of pathogen discovery and surveillance

W. Ian Lipkin

The emergence of new microbial infections is ever more likely with the globalization of trade and travel, changes to agricultural practices and climate change. However, as Lipkin describes in this Essay, this threat is being met by dramatic technological advances in pathogen discovery, surveillance and modelling.

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Molecular mechanisms of *Escherichia coli* pathogenicity (corrigendum)

Matthew A. Croxen and B. Brett Finlay

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PROGRESS

75 The excludon: a new concept in bacterial antisense RNA-mediated gene regulation

Nina Sesto, Omri Wurtzel, Cristel Archambaud, Rotem Sorek and Pascale Cossart

In this Progress article, Cossart and colleagues discuss the unique features of unusually long antisense RNAs and discuss the excludon paradigm, which describes a genomic locus that encodes a long antisense RNA which inhibits the expression of one operon while simultaneously driving the expression of the adjacent operon.

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EDITORIAL OFFICE

LONDON: NatureReviews@nature.com
The Macmillan Building, 4 Crinan Street,
London N1 9XW, UK
Tel: +44 (0)20 7843 3620;
Fax: +44 (0)20 7843 3629

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EDITORS



SHEILAGH MOLLOY



ANDREW JERMY



RACHEL DAVID



CHRISTINA TOBIN KÄHRSTRÖM