

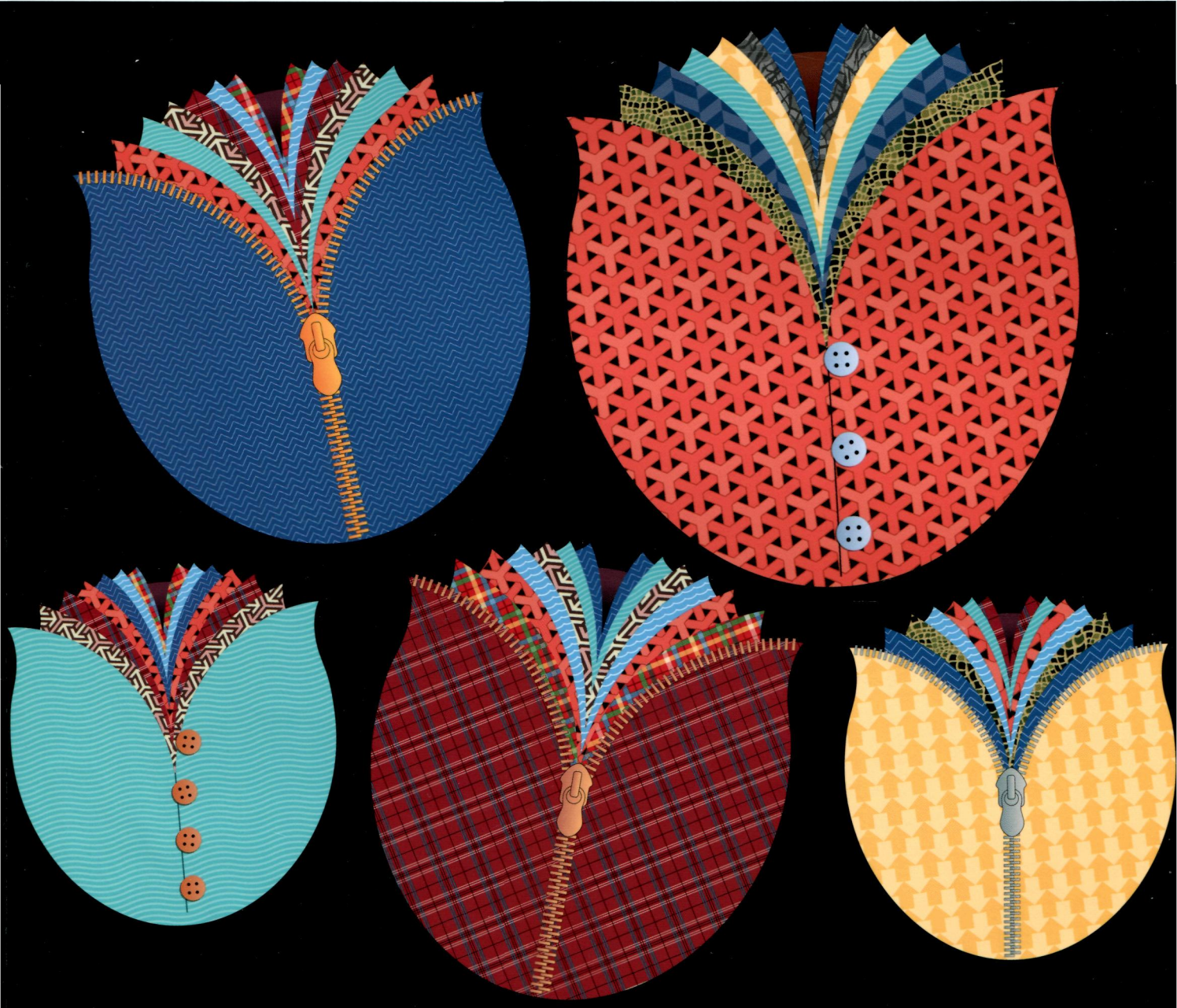
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REVIEWS

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MICROBIOLOGY



MULTILAYERED PROTECTION

Assembly and function of the *Bacillus* spore coat

Programmed cell death in parasitic protozoa

Intentional or incidental?



MULTILAYERED PROTECTION
Assembly and function of the Bacillus spore coat

Programmed cell death in parasitic protozoa
Intentional or incidental?

► **COVER:** 'Multilayered coats' by Philip Patenall, inspired by the Review on p33.

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9 **Bacterial DNA repair: recent insights into the mechanism of RecBCD, AddAB and AdnAB**

Dale B. Wigley

Repair of double-strand DNA breaks by homologous recombination can be carried out in bacteria by RecBCD, AddAB and AdnAB. Here, Dale Wigley discusses recent insights into how these complexes mediate repair, as well as their evolution.

14 **Co-dependents: MR1-restricted MAIT cells and their antimicrobial function**

Marielle C. Gold and David M. Lewinsohn

Mucosal-associated invariant T (MAIT) cells have an intrinsic capacity to recognize a broad microbial repertoire through their invariant T cell receptor, which interacts with antigen presented by MHC class I-related protein 1 (MR1). Here, Marielle Gold and David Lewinsohn highlight recent insights suggesting that this unique, 'innate' T cell subset plays an important part in the early recognition and containment of infection.

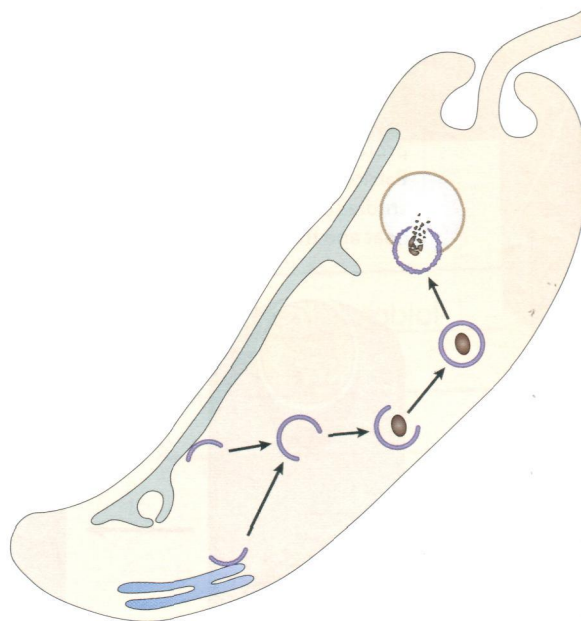
PERSPECTIVES

OPINION

58 **Cell death in parasitic protozoa; regulated or incidental?**

William R. Proto, Graham H. Coombs and Jeremy C. Mottram

Regulated cell death is a key process in plant and animal development, but does it occur in parasitic protozoa? Jeremy Mottram and colleagues assess the evidence of regulated cell death in these organisms and propose that protozoan cell death should be classified as either necrotic or incidental.



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