## **NATUREVIEW**

REVIEWS AND COMMENT FROM THE NATURE PUBLISHING GROUP



▲ Primordial germ-cell development: the zebrafish perspective. Raz, E. Nature Reviews Genetics September (2003).

- Mechanisms of sarcoma. Helman, L. J. & Meltzer, P. Nature Reviews Cancer September (2003).
- ▼ Defensins: antimicrobial peptides of innate immunity. Ganz, T. Nature Reviews Immunology

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• The development and regulation of gene repair.

Liu, L., Parekh-Olmedo, H. & Kmiec, E. B. Nature Reviews Genetics September (2003).

 Unfolding the toxicity of cholesterol.

Zhang, K. & Kaufman, R. J. Nature Cell Biology September (2003).

This News and Views article discusses a recent study showing that depletion of calcium stores in the endoplasmic reticulum, which leads to activation of the unfolded protein response and subsequent cell death, is a key event in cholesterol-induced macrophage apoptosis.

 Myelin-associated inhibitors of axonal regeneration in the adult mammalian CNS.

Filbin, M. T. Nature Reviews Neuroscience September (2003).

• p38 MAP kinases: key signalling molecules as therapeutic targets for inflammatory diseases.

Kumar, S., Boehm, J. & Lee, J. C. Nature Reviews Drug Discovery September (2003).

• The trials and tribulations of producing the first genetically engineered drug.

Johnson, I. S. Nature Reviews Drug Discovery September (2003).

- Regulation of the immune system by helminth parasites. Maizels, R. M. & Yazdanbakhsh, M. Nature Reviews Immunology September (2003).
- 14-3-3 proteins in the nervous system.

Berg, D., Holzmann, C. & Riess, O. Nature Reviews Neuroscience September (2003).

- Small interfering RNAs in the radar of the interferon system. Moss, E. G. Nature Cell Biology
- Aspirin, ubiquitin and cancer. Wilkinson, K. D.

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A News and Views piece on recent findings that the deubiquitylating and tumoursuppressor protein CYLD negatively regulates the nuclear factor kB signalling pathway. The anti-inflammatory drug aspirin prevents NFkB-responsive gene activation and inhibition of apoptosis caused by CYLD loss.

