

PM  
№28/e

OUTLOOK  
Haemophilia

# nature

THE INTERNATIONAL WEEKLY JOURNAL OF SCIENCE

Antitumour immunity  
enhanced by inhibiting  
PD-L1/PD-1 and identifying  
mutant neo-antigens

PAGES 496, 558, 563, 568, 572 & 577



## IMMUNE-CHECKPOINT BLOCKADE IN CANCER

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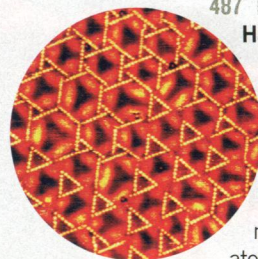
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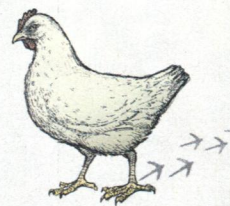
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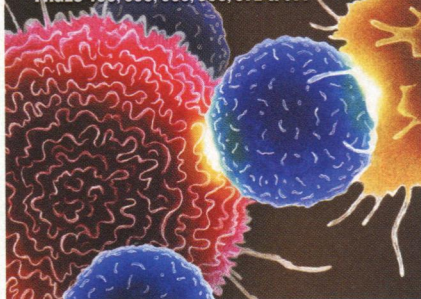
#### 512 EVOLUTION First cranial remains of a gondwanatherian mammal reveal remarkable mosaicism

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#### 518 NUTRITION Global diets link environmental sustainability and human health

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#### 523 DEVELOPMENTAL BIOLOGY A positional Toll receptor code directs convergent extension in *Drosophila*

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#### 535 MATERIALS SCIENCE Metallization of vanadium dioxide driven by large phonon entropy

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#### 540 OPTICS AND PHOTONICS Passive radiative cooling below ambient air

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#### 545 MOLECULAR ELECTRONICS Design and fabrication of memory devices based on nanoscale polyoxometalate clusters

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#### 550 PALAEOCLIMATE Evolution and forcing mechanisms of El Niño over the past 21,000 years

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#### 554 BIOPHYSICS Multiplex single-molecule interaction profiling of DNA-barcoded proteins

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#### 558 CANCER MPDL3280A (anti-PD-L1) treatment leads to clinical activity in metastatic bladder cancer

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#### 563 CANCER Predictive correlates of response to the anti-PD-L1 antibody MPDL3280A in cancer patients

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#### 568 CANCER PD-1 blockade induces responses by inhibiting adaptive immune resistance

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#### 572 CANCER Predicting immunogenic tumour mutations by combining mass spectrometry and exome sequencing

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#### 587 PLANT SCIENCES Epigenetic reprogramming that prevents transgenerational inheritance of the vernalized state

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#### 591 VIROLOGY A structure-based mechanism for tRNA and retroviral RNA remodelling during primer annealing

*S B Miller, F Z Yildiz, J A Lo, B Wang & V M D'Souza*

ALLISON BRUCE

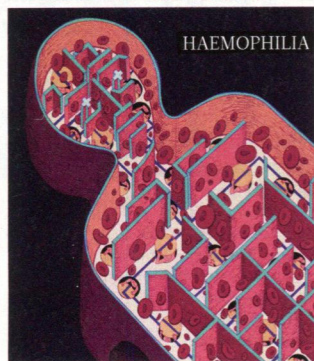


# OUTLOOK

Supplement to 27 November 2014 / Vol 515 / Issue No 7528

## HAEMOPHILIA

natureOUTLOOK



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**Baxter**

A flow of ideas to  
stop the bleeding

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**Haemophilia**

Herb Brody

**S158 AETIOLOGY**

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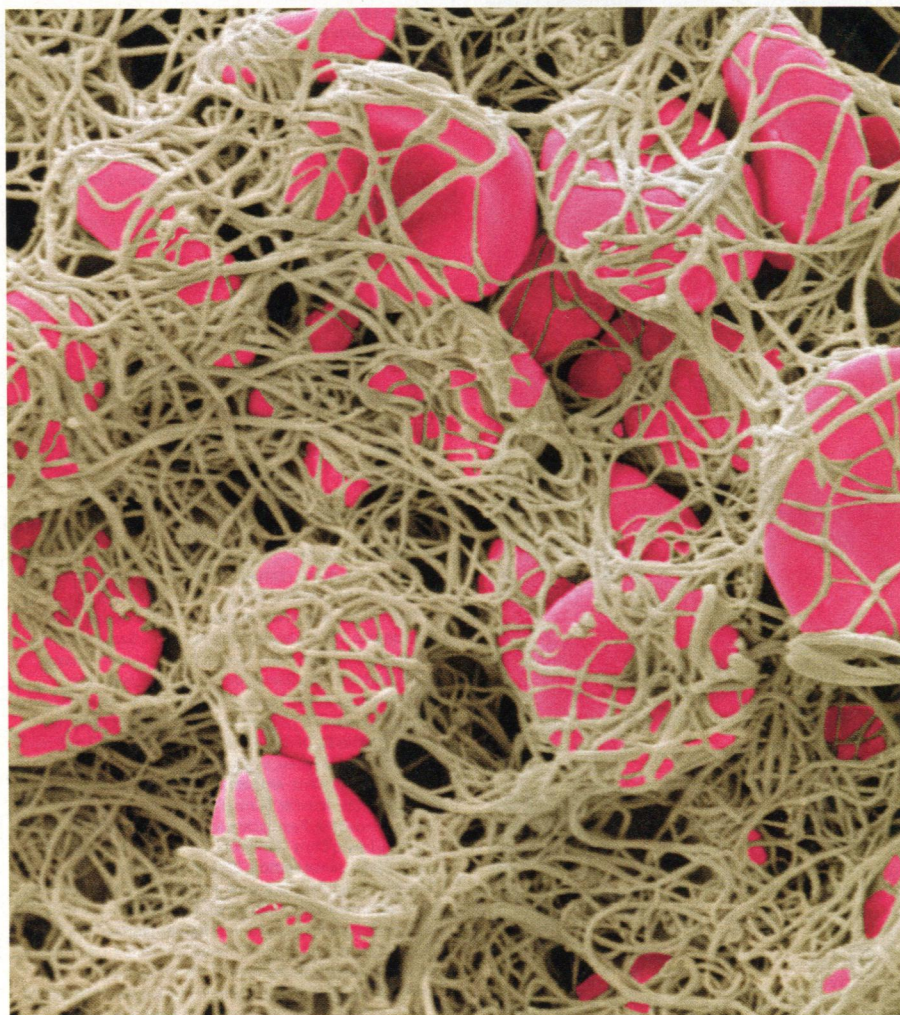
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Researchers are gaining knowledge of the disease from haemophilic dogs



  
**MORE  
ONLINE**

**NATURE.COM**

● The *Nature Video* team meets people living with haemophilia and finds out what treatment options might be available in the future:  
[go.nature.com/dzyned](http://go.nature.com/dzyned)

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