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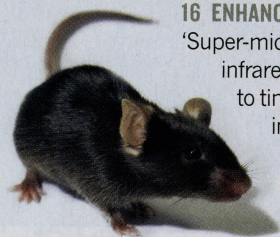
Survey suggests sexual harassment is rife in Australian science

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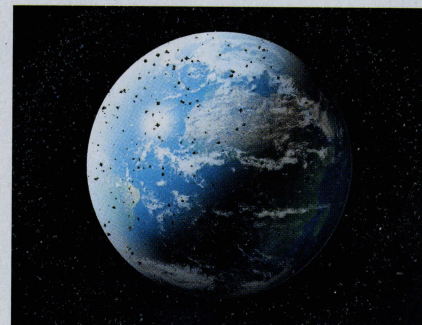
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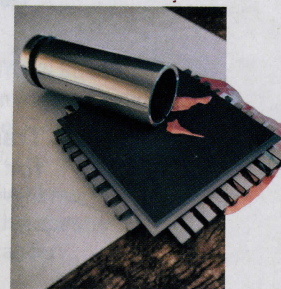
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##### When cooperators cheat

How a cheating tactic evolved in cooperatively breeding cuckoos

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#### 35 VIROLOGY

##### Receptor bats for the next flu pandemic

Bat flu virus uses the same receptor to infect many species

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#### 36 QUANTUM PHYSICS

##### Quantum-information scrambling validated

Probing the delocalization of information in interacting quantum systems

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#### 38 EVOLUTION

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Plants survived a global biodiversity crash that affected marine species

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#### 39 CONDENSED-MATTER PHYSICS

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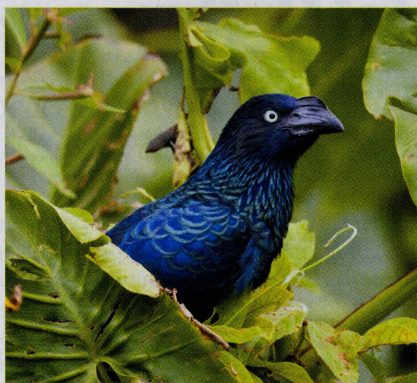
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K Furuyama et al.

49 **IMMUNOLOGY** Colonic epithelial cell diversity in health and inflammatory bowel disease  
K Parikh et al.

56 **STRUCTURAL BIOLOGY** Structure of the IFN $\gamma$  receptor complex guides design of biased agonists  
J L Mendoza et al.



### ON THE COVER

## Best laid plans

A study of the nesting strategies of a tropical cuckoo reveals the potential benefits and drawbacks of cheating. The birds usually breed cooperatively, multiple mating pairs sharing a nest. If the nest is destroyed, some females become brood parasites, laying their eggs in another nest to be cared for by others. Christina Riehl and Meghan Strong show that these strategies have similar fitness pay-offs, suggesting that the behaviours evolved as alternative tactics for evading nest predators. **PAGES 34 & 96**

### LETTERS

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66 **CONDENSED-MATTER PHYSICS** Signatures of moiré-trapped valley excitons in MoSe<sub>2</sub>/WS<sub>2</sub> heterobilayers  
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71 **CONDENSED-MATTER PHYSICS** Evidence for moiré excitons in van der Waals heterostructures  
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##### Social parasitism as an alternative reproductive tactic in a cooperatively breeding cuckoo

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C E Yaeger, D L Ringach & J T Trachtenberg

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##### Female-biased embryonic death from inflammation induced by genomic instability

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S Zheng, N Abreu, J Levitz & A C Kruse

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