

# New Scientist

WEEKLY 26 October 2024

US ELECTION SPECIAL:  
FROM CLIMATE TO  
HEALTHCARE

WHAT BULLYING DOES  
TO THE BRAIN

WHY YOUR CREATIVITY  
PEAKS AT THE MOMENT  
YOU FALL ASLEEP

## OUT OF THE VOID

We finally know if something  
can escape a black hole,  
but the answer plunges  
us into a deeper mystery

**PLUS**  
HOW PUPPIES ASK FOR HELP / BROWN DWARF HAS  
SURPRISE TWIN / THE PERILS OF POTTED PLANTS /  
WHY COMPUTERS NEED A NEW WAY TO COUNT

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Living engine

Tiny working motor made from parts of different bacteria **p13**

Turn around

Writing backwards can trick AI to reveal a bomb recipe **p16**

Flight of fancy

Risk of peanut allergies on planes is overblown **p21**

Disordered mess

Entropy equations give odd results in quantum realm **p23**

Safe haven

Male mice flee to females when losing a fight **p24**



PRADA/AXIOM SPACE

Space

An out-of-this-world design

Italian luxury goods label Prada has entered the final frontier of fashion. This is the spacesuit designed by the brand alongside infrastructure developer Axiom Space. The kit, destined to be worn by NASA's Artemis III astronauts on the agency's planned mission to return people to the surface of the moon, comes in a range of sizes that should accommodate a much wider variety of body shapes than existing versions. The helmet features lights and an HD camera and the suit is capable of protecting against extreme temperatures and lunar dust, while the backpack contains a life-support system that includes a way to remove exhaled carbon dioxide.

