

# New Scientist

WEEKLY 14 September 2024

REMARKABLE NEW INSIGHTS  
INTO DINOSAURS' LIVES

BECOMING ONE WITH  
NASA'S ROBOT ASTRONAUT

FRESH CLUES ABOUT THE  
CAUSES OF ENDOMETRIOSIS

HOW NUCLEAR  
CLOCKS COULD REWRITE  
THE UNIVERSE'S PAST

## BREAKING FREE FROM OCD

A radical new approach to stopping the cycle  
of intrusive thoughts and compulsive habits



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**PLUS ASTEROID TAKES EARTH BY SURPRISE /**  
THE MATHS OF POURING WINE / **SMART SPEAKER DETECTIVES /**  
**EXPERIMENTAL MPOX VACCINE / WHAT IS IT LIKE TO BE A DOG?**



## Strangely quiet

Why have so few Atlantic storms hit so far this year? **p10**

## Sweat sensor

Wristband reveals how hard you are exercising **p12**

## How dark is space?

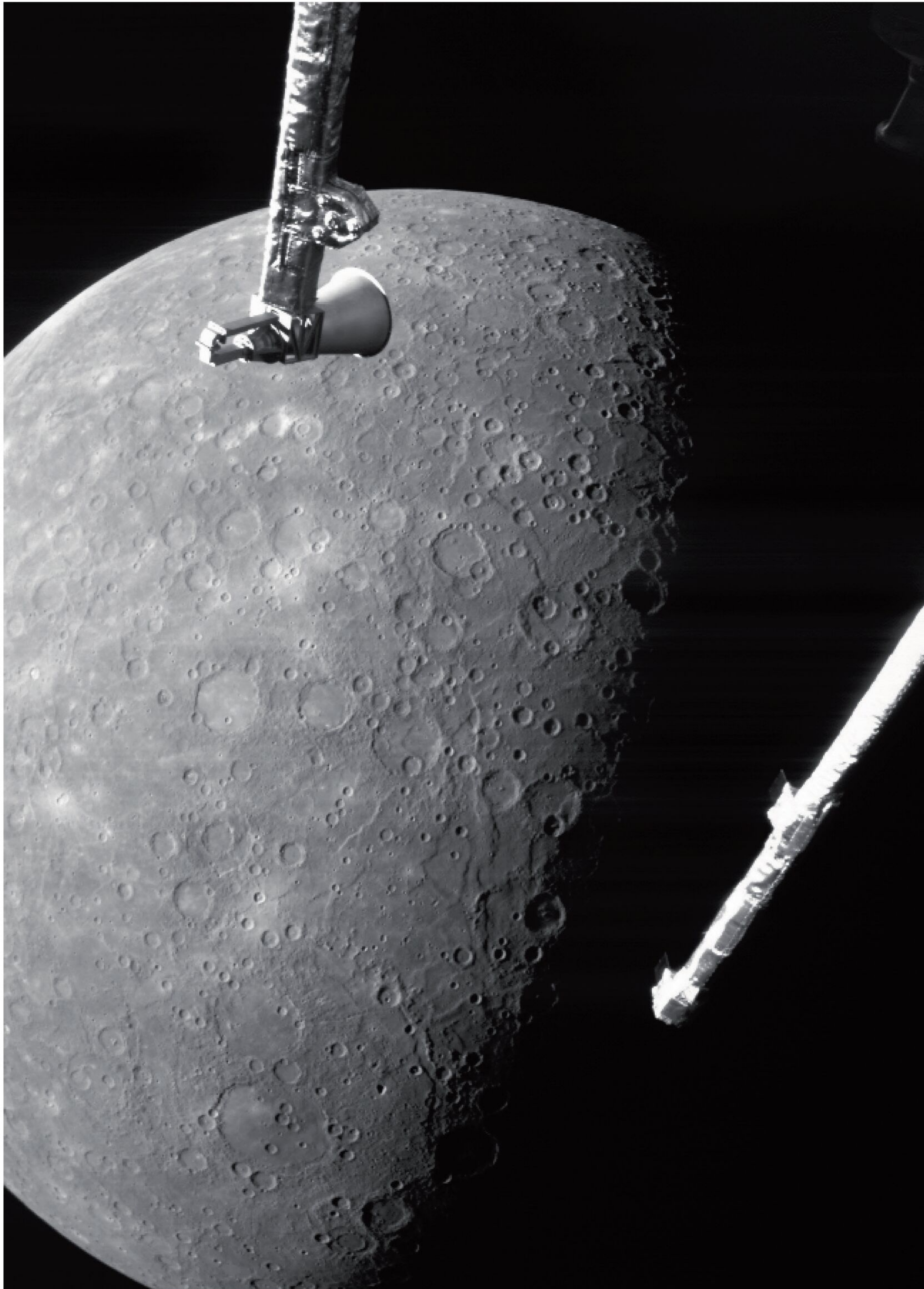
Distant spacecraft points its camera into the void **p17**

## Polar peoples

Uncovering mystery Arctic culture from 4500 years ago **p18**

## Stem cell boost

Lab-grown cells could be a boon for cancer treatment **p19**



ESA

## Space

### Getting up close with Mercury

This amazingly clear shot of Mercury was taken by the BepiColombo mission on 5 September as it was 3459 kilometres from the surface of the first planet from the sun. It caught a glimpse of the south pole (on the edge of darkness in the top right of the image). The European Space Agency and Japan Aerospace Exploration Agency probe is using Mercury's gravity to change course, with the goal of entering orbit around it in 2026.