

Science Focus

FOOD FOR THOUGHT

YOUR MYSTERIOUS BRAIN

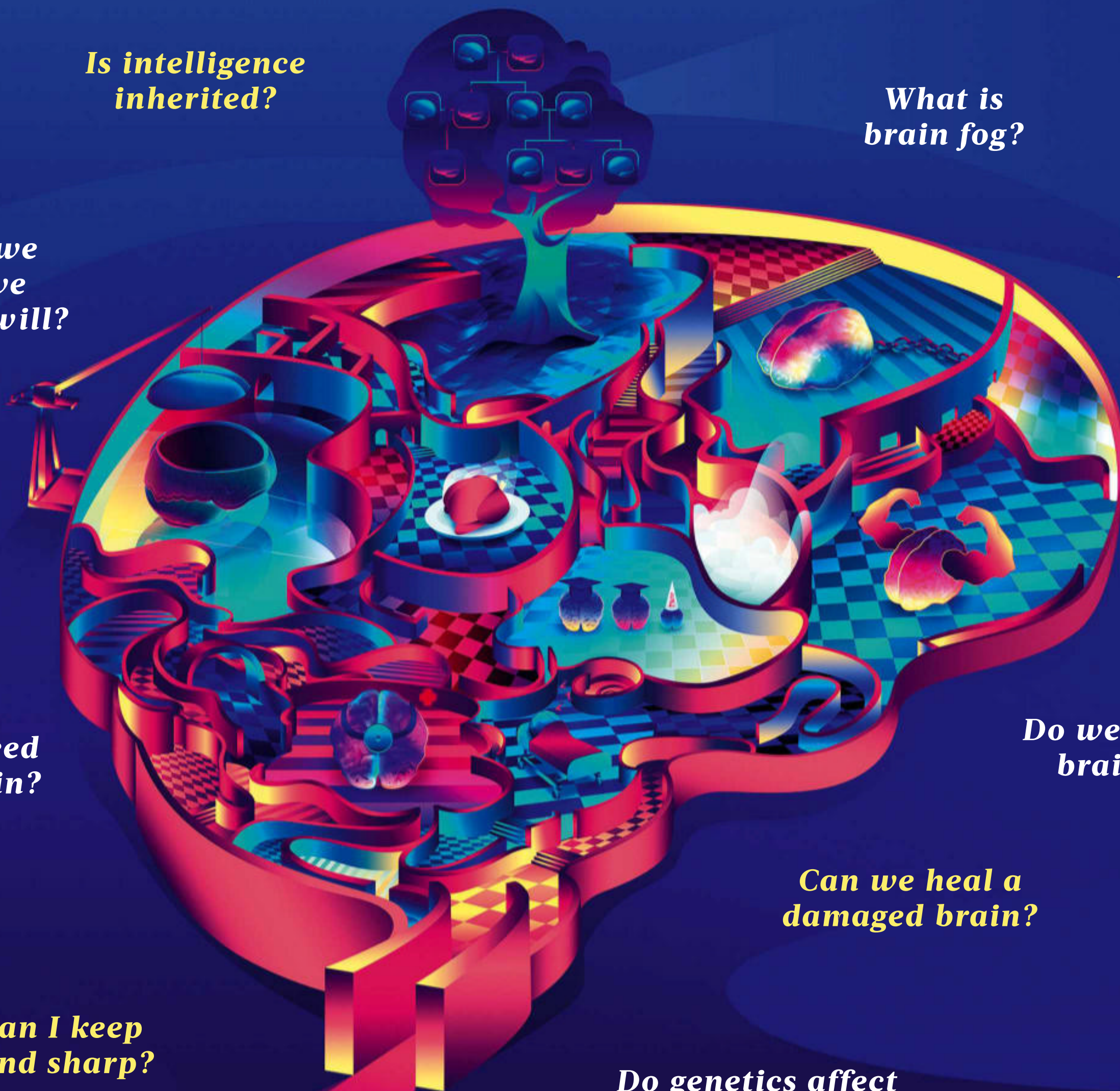
9 mind-blowing questions about the most incredible object in the Universe

Is intelligence inherited?

What is brain fog?

Do we have free will?

Are coma patients awake?



Can I feed my brain?

Do we really have brain regions?

How can I keep my mind sharp?

Can we heal a damaged brain?

Do genetics affect mental health?

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Black holes

Is an ancient monster lurking in our Solar System?

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Michael Mosley on the power of deep breathing

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Are smart glasses a privacy nightmare?



EYE OPENER

ISS gets a power up

THERMOSPHERE, EARTH

NASA astronaut Shane Kimbrough waves as he and his fellow crew member, ESA astronaut Thomas Pesquet, install new solar arrays on the International Space Station (ISS). The arrays, made up of photovoltaic panels, generate electricity for the ISS. Unlike the fold-out solar arrays that you might have seen on images of the ISS, the new ones, called roll-out solar arrays (ROSAs), unfurl like sails.

For the last 20 years, the scientific investigations conducted on the ISS have been powered by solar arrays that were deployed in 2000 and only designed for 15 years of service. Though showing signs of wear and tear, the arrays are still functioning well, producing 160kW of electricity for the ISS on each orbit. Thanks to the six new ROSAs that Kimbrough and Pesquet installed during three spacewalks in June 2021, the power available to astronauts on the ISS is now 215kW a day. That's enough to power the average home for nearly a month!

NASA

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