

# SCIENTIFIC AMERICAN



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## Questions about the Multiverse

What lies  
beyond the  
cosmic horizon  
of 42 billion  
light-years

**Energy**  
Biofuels' False  
Promise

**Neuroscience**  
The Science  
of Better  
Learning

**Evolution**  
The Rise of  
Longevity



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ON THE COVER



Cosmologists talk about parallel universes so often and with such conviction that you might be forgiven for thinking their existence is unquestioned. Not so. Many cosmologists remain deeply skeptical. While acknowledging the appeal of the multiverse concept, they think it is unproved—and probably unprovable. Illustration by Kenn Brown, Mondolithic Studios.



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