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### COVER

Clouds pass over Kenya's Lake Magadi, where geologists are drilling a core to gather detailed climate data from the ancient lake bed. Data on past climates are vital for researchers seeking to understand how anthropogenic climate change will affect Earth's ecosystems and species, including its effects on infectious diseases and food security. See the special section beginning on page 472.

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The bacterial pathogen *Listeria monocytogenes* exploits histone modifications to reprogram its host.

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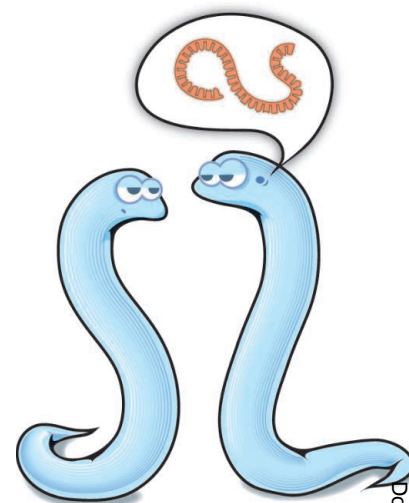
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Bacterial fermentation products regulate the number and function of regulatory T cells in the mouse colon.

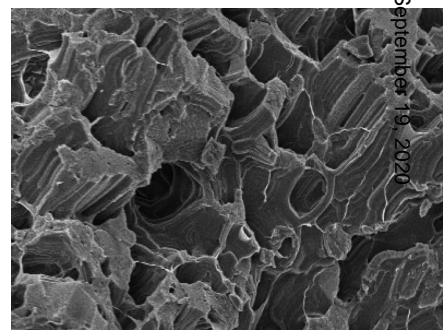
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