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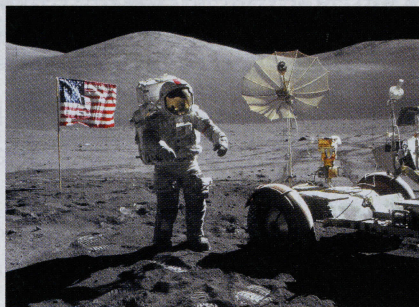
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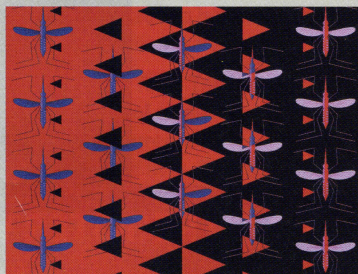
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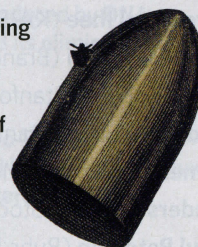
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What is sleep like for fish? Philippe Mourrain, Louis Leung and colleagues observed neural signatures in zebrafish that can be identified as at least two different sleep states, suggesting that sleep states similar to those identified in mammals, birds and reptiles may have emerged in the vertebrate brain more than 450 million years ago. [PAGE 198](#)



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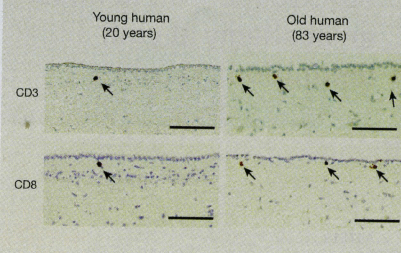
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COVER IMAGE OF A SLEEPING WHITE SPOTTED PUFFERFISH: TUNATURAX/SHUTTERSTOCK