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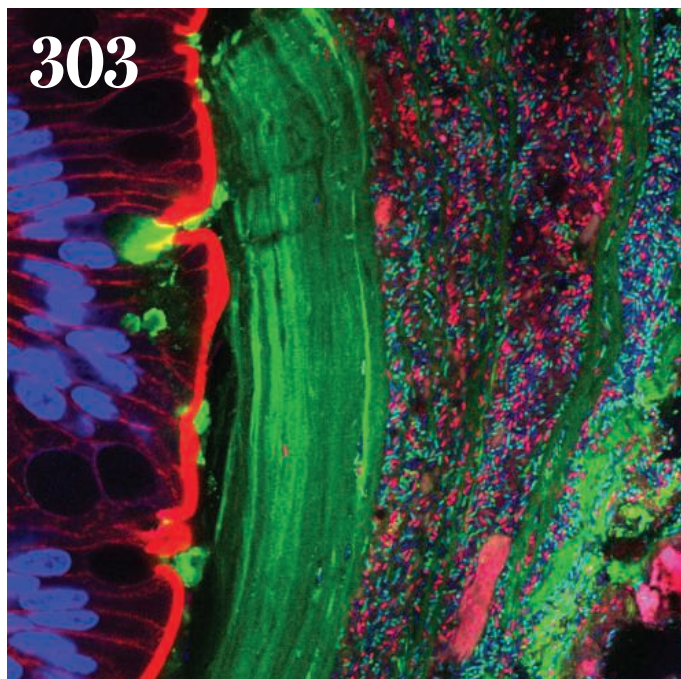
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## ON THE COVER



A global network of smart-phones is symbolically portrayed working together to help detect earthquakes and provide early warnings to people. The Android Earthquake Alerts system uses the sensors across billions of phones in earthquake-prone regions to characterize earthquakes from the onset of shaking at the epicenter. If the system detects an earthquake, it can alert people in harm's way, helping to save lives. See page 254. Illustration: Sara Gironi Carnevale



## ON THE PODCAST

Studying a shark-haunted island, and upgrading our microbiomes with engineered bacteria

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