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### COVER IMAGE



*Cover photograph:* Blooms of toxic cyanobacterium *Microcystis aeruginosa* have occurred in freshwater ecosystems throughout the world. This photo shows the marble pattern formed by a *Microcystis* bloom at a Japanese pond. In the bloom, *M. aeruginosa* interacts with narrow- and broad-host-range viruses and might mainly respond to viral infection by the latter by using toxin-antitoxin and CRISPR-Cas systems. (See related article at e01170-19.) (Copyright © 2019 American Society for Microbiology. All Rights Reserved.)

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