Biofilm-associated toxin and extracellular protease cooperatively suppress competitors in *Bacillus subtilis* biofilms

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**Biofilms produce biofilm-specific antibiotics.**

Biofilms protect member cells against antibiotics by enclosing them with biofilm matrix polymers. *Bacillus subtilis* biofilms produce the YIT toxin, which can spread within biofilms without being obstructed by biofilm matrix polymers and attack toxin-sensitive cells. The wild-type strain (left half) developed biofilm architectures on its colony surface whereas the YIT toxin-sensitive strain (right half) formed attenuated biofilm architectures. Image credit: Kazuo Kobayashi.