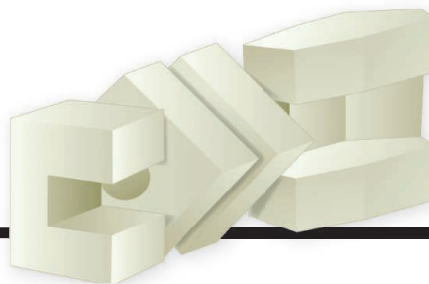


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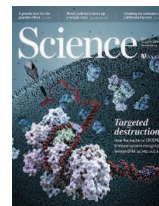
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ON THE COVER



Artist's impression of how a bacterial immune complex, called Cascade (foreground structure), from the CRISPR-Cas system recognizes invading DNA (red-blue-black strand) from a bacteriophage. Cascade, a complex of II proteins and a guide RNA, uses the sequence of the guide RNA to detect invading DNA. See pages 1452, 1473, and 1479 for a close-up look at Cascade before and after it binds to its target DNA. *Illustration: Valerie Altounian/Science; protein coordinate data supplied by Scott Bailey*

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