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Cover photograph (Copyright © 2016, American Society for Microbiology. All Rights Reserved.): Micrograph of a wild-type *Caenorhabditis elegans* hermaphrodite that was grown on a pathogenic strain of *Stenotrophomonas maltophilia* (JCMS) engineered to express green fluorescent protein (GFP). *S. maltophilia* is an emerging nosocomial pathogen that is also virulent to *C. elegans*. Interestingly, *S. maltophilia* JCMS is virulent to normally pathogen-resistant *C. elegans* DAF-2/16 insulin-like signaling pathway mutants. This animal had been feeding on *S. maltophilia* JCMS-GFP for 6 days and cleared on non-GFP-expressing bacteria for 1 h. Anterior is to the left. This micrograph is an overlay of differential interference contrast and fluorescent images at $\times 1,000$ magnification. Visible are the posterior portion of the *C. elegans* pharynx and the anterior portion of the intestine that has become distended with accumulated GFP-expressing *S. maltophilia* bacteria. Intestinal distention is a hallmark of bacterial pathogenesis in *C. elegans*. (See related article on page 524.)