

# JOURNAL OF BACTERIOLOGY

Volume 189

August 2007

No. 15

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Cover photograph (Copyright © 2007, American Society for Microbiology. All Rights Reserved.): Wild-type *Myxococcus xanthus* cells foraging for prey bacteria on low nutrient agar medium. As *M. xanthus* migrates into new territory, large groups of cells organize and are visible at the colony edge, while individual cells can also be seen among the groups. The organization of groups of cells is altered when they encounter prey. The photo was taken at a magnification of  $\times 400$ . (See related article on page 5675.)