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Cover photograph (Copyright © 2013, American Society for Microbiology. All Rights Reserved.): The antibacterial eukaryotic peptide Bac7(1-35) can be internalized by *Escherichia coli* using the inner membrane protein SbmA. The micrograph shows green fluorescent *E. coli* cells after they have been treated with a fluorescent derivative of the peptide, Bac7(1-35)-BODIPY. A low-resolution electron microscopy reconstruction of SbmA-green fluorescent protein (SbmA-GFP) indicates that the protein exists as a dimer; the current SbmA envelope, orange, does not show any openings for peptide transport. The extra density at the bottom of the envelope is from the GFP that was fused to SbmA to orientate the envelope after reconstruction. (See related article on page 5343 and 5352.)