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*Cover photograph* (Copyright © 2005, American Society for Microbiology. All Rights Reserved.): Whole male salivary gland expressing a hemagglutinin (HA)-tagged amino-terminal region of the MSL1 protein stained with anti-HA antibody (green) and counterstained with DAPI (4',6'-diamidino-2-phenylindole; blue). The truncated version of MSL1 colocalizes with the MSL complex to hundreds of sites on the male X chromosome. The related article shows that this involves a basic motif and motifs that promote MSL1 self-association and binding to MSL2. (See related article on p. 8913.)