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A gastrulating Drosophila embryo fixed and stained with antibodies against phosphotyrosine (fuchsia) to mark cell boundaries, fibrillarin (green) to mark the nucleolus and Cajal bodies, and Lsm11 (red), a component of the U7 snRNP required for histone pre-mRNA processing. Lsm11 marks the histone locus body, a nuclear structure that associates with the histone locus and contains factors necessary for histone mRNA biosynthesis. DNA is stained with DAPI (blue). Cells in the center of the image are undergoing mitosis and have lost nucleolar, Cajal body, and histone locus body markers. See the article by White et al. on p. 2491 of this issue of MBC. (Image: Anne White, Department of Biology, University of North Carolina at Chapel Hill, Chapel Hill NC)

Molecular Biology of the Cell

The Philosophy of Molecular Biology of the Cell

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