Cover: The germinal vesicle (nucleus) of late-stage *Xenopus laevis* oocytes provides an ideal model to study the assembly and dynamics of non-membrane-bound subnuclear particles. The germinal vesicle features many large nucleoli that contain extrachromosomal copies of rRNA genes, RNA and proteins. Immunofluorescent labeling of nucleolin (red), dsDNA (blue), and amyloid (green) highlights the organization of a single 10 µm nucleolus. For further details, see Hayes et al. in this issue on page 801. Image provided by D. L. Weeks and licenced under a Creative Commons Attribution 4.0 International licence.

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