

Volume 2 Fall Issue

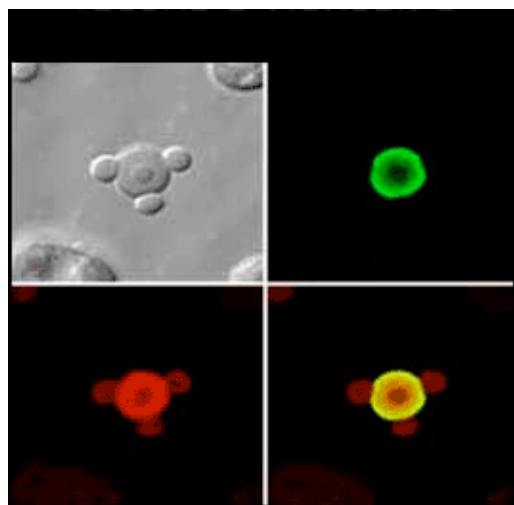


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September 3–7, 2005, Sydney, Australia
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This brightly colored Cajal body from an oocyte nucleus of the frog *Xenopus* is an example of immunofluorescent staining used to localize specific proteins within cells. Upper left:

Differential interference contrast (DIC) image showing a Cajal body and four associated B-snurposomes, three on the surface and one in the interior. Upper right: The Cajal body is stained green by an antibody against the protein coilin. Coilin is a marker protein for the Cajal body, a nuclear organelle involved in assembly and modification of macromolecular complexes that transcribe and process nuclear RNA. Lower left: The Cajal body and its associated B-snurposomes are stained red by an antibody against proteins involved in RNA processing. Lower right: An overlay of the red and green images. —Images courtesy of Joseph Gall, Carnegie Institution, Baltimore, MD; gall@ciwemb.edu.