



**Figure 5. Centromeric H3 Variants in Model Eukaryotes**

(Left) Human chromosome stained with an antibody against the centromere-specific histone H3 variant CENP-A (green) and anti-CENP-B (red) marking  $\alpha$ -satellite DNA (image courtesy of Peter Warburton). (Center) *Drosophila melanogaster* anti-CenH3 antibody (red) stains centromeres in metaphase chromosomes and throughout interphase (image courtesy of Suso Platero). (Right) *Caenorhabditis elegans* anti-CenH3 antibody (green) stains the end-to-end holocentromeres of prophase chromosomes (red) (image courtesy of Landon Moore).