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Cover  *(Upper right)* The GABAergic neurons DVB and AVL are defective in *sem-4* C. elegans. A *sem-4; unc-30* animal stained with anti-GABA antibodies shows premature termination of the ALV axon. [For details, see Basson and Horvitz, p. 1953.]
*(Lower left)* Aberrant innervation of atypical melanotrophs in mice. Shown is apoptosis of atypical cells after S-phase entrance and BrdU labeling. BrdU-positive nuclei of apoptotic cells have condensed chromatin. [For details, see Nikitin and Lee, p. 1870.]