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### *On the Cover*

Cover illustrates results from an undergraduate inquiry-based teaching laboratory. Micrographs at top show two novel phenotypes affecting mating structures in the nematode *C. elegans*, revealed in a functional screen using RNA-mediated interference (RNAi). RNAi of the zinc-finger homeodomain protein ZC123.3 causes a prolapsed hermaphrodite vulva, and RNAi of the abnormal spindle microcephaly protein C45G3.1 causes missing male tail sensory rays. Lower figure is a concept map relating steps in the process of molecular cloning, created by students after laboratory experience with enzymatic tools and purification kits commonly used to manipulate DNA. See article by Hurd on page 210.