



Cover: The *Drosophila* heart is composed of inner spiral myofibers surrounded by longitudinal fibers. The sarcomeric units are visualized here by fusion of GFP to Cypher, a protein located at the Z-disc of sarcomeres (actin is stained by phalloidin in red). Mutations in various Z-disc components such as MLP (muscle LIM protein) cause cardiac dysfunction and cardiomyopathy. MLP deficiency in *Drosophila* leads to anomalies in heart rhythm and reduced lifespan (see article by Mery et al., pp. 15–23), establishing *Drosophila* as a genetic model to study Z-disc protein-linked cardiomyopathy. Photograph by A. Mery.

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