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Dorsal view of a day 15.5 transgenic mouse embryo (1 centimeter long) in which the cardiovascular system was visualized by staining for expression of a transgene controlled by the promoter of the smooth muscle-specific gene SM22α. Staining specifically marks arterial smooth muscle cells throughout the developing vasculature. The molecules controlling heart development are among the topics highlighted in this special issue on cardiovascular medicine. See page 671 and the special section beginning on page 663. [Image: L. Li, B. Mercer, and E. Olson]

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