Cover: Confocal microscopy image of an intestinal adenoma induced by targeted mutation of Lgr5-positive intestinal stem cells in an Lgr5eGFP-Ires-CreERT2/ApcflflKrasG12D/R26-Confetti mouse. Clusters of red (RFP-expressing) or blue (membrane CFP-expressing) cells within the adenoma represent the clonal output of different mutant intestinal stem cells. Lgr5-expressing adenoma cells, which represent candidate cancer stem cells, express eGFP (green). This image was taken by Marc Leushacke and Nick Barker. See Primer on p. 2484.

Sir John Gurdon and Professor Shinya Yamanaka were the recipients of the 2012 Nobel Prize for Physiology or Medicine. Here, Sir John Gurdon recounts the early history of nuclear transfer in *Xenopus* and discusses the work that led to the 2012 Nobel Prize. See Spotlight article on p. 2449.

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The discovery of induced pluripotent stem cells (iPSCs) has opened up unprecedented opportunities in the pharmaceutical industry, the clinic and in laboratories. Here, Kazutoshi Takahashi and Shinya Yamanaka outline current knowledge and future prospects in the iPSC field. See Spotlight article on p. 2457.

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