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ON THE COVER: (left to right) Totally biodegradable self-reinforced poly(glycolic acid) or poly-(L-lactic acid) (SR-PGA or SR-PLLA) implants for the fixation of fractures, osteotomies, arthrodeses, and ligament and meniscal injuries. Shown are various rods, screws, plates, wires, and expansion plugs. See article on page 21. Scanning electron microscopy image of a confluent endothelial-cell monolayer on an unmodified expanded poly(tetrafluoroethylene) (ePTFE) blood-vessel graft in a pig model. See article on page 33. *In vitro* biocompatibility: fibroblasts cultured on a Ti-5Al-2.5Fe alloy, highlighting the fibronectin by immunofluorescence. See article on page 25. Four steps ("source," "final," and two intermediate steps) of the segmentation process that leads to the identification of points needed for geometrical computing. The source is an x-ray film in a clinical case involving a screwed-stem hip implant. See article on page 38.

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