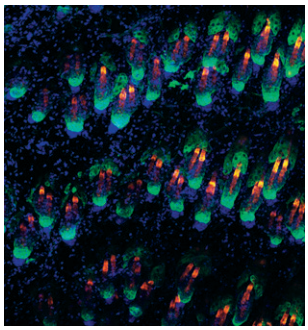
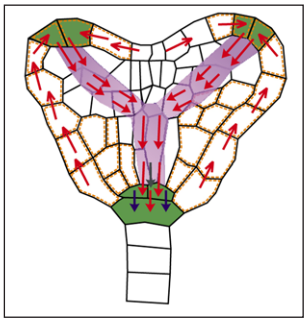
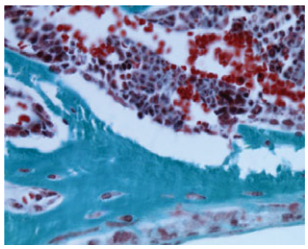
Development



Cover: Whole-mount view of adult mouse back skin. Epidermal cells are labelled with antibody against keratin 14 (green), hair shafts with dsRed (red) and nuclei with DAPI (blue). Dermal papillae are visualised as clusters of blue nuclei at the base of each hair follicle. **See Research article by Driskell et al. on p. 2815.**



Petrášek and Friml review how the coordinated activity of several auxin transport systems regulates the directional flow of auxin, and discuss how this activity contributes to diverse developmental processes, including embryogenesis and organogenesis. **See Primer on p. 2675.**



An osteoid synthesis defect is revealed by Goldner staining in a bone from a 1-month-old mouse that carries a null mutation in G-protein-coupled receptor 48 (Gpr48), from a study that shows that Gpr48 regulates bone formation and remodelling. **See Research article by Luo et al. on p. 2747.**

DEVELOPMENT AND DISEASE