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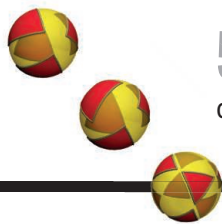
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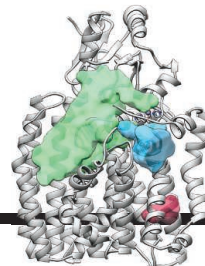


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ON THE COVER



Immunofluorescence image showing hair follicles in a resting stage. An old hair (right) is accompanied by a new hair (left), which awaits growth initiation signals.

When the resting follicular stem cells are triggered to self-renew, they also transiently activate a gene network to limit cell division. Understanding these dynamic mechanisms will help to harness multipotent stem cells for regenerative medicine. See page 613. A second paper (page 575) describes how DNA damage triggers stem cell depletion and hair loss.
Image: L. Wang and R. Yi

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