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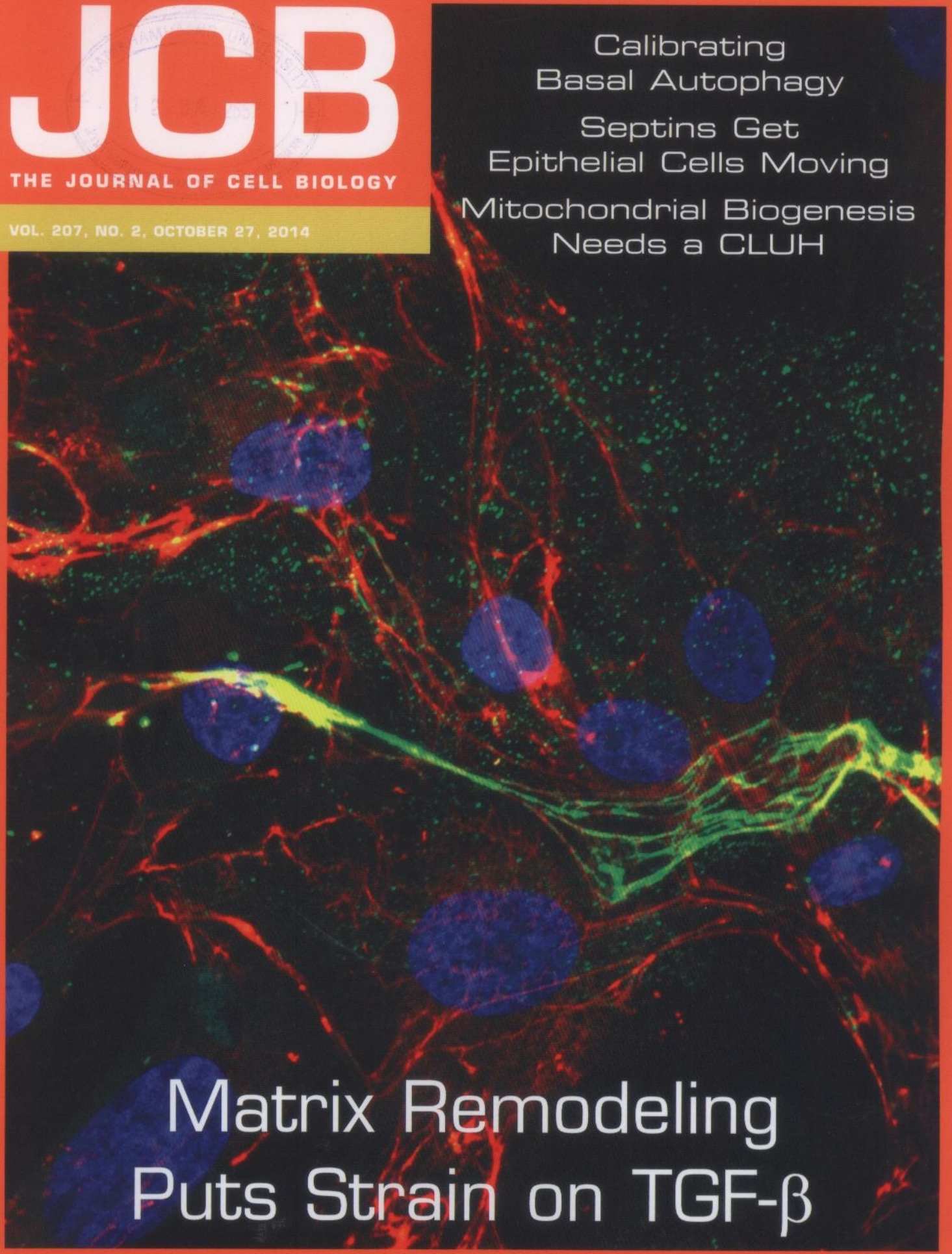
Calibrating Basal Autophagy

Septins Get Epithelial Cells Moving

Mitochondrial Biogenesis Needs a CLUH



Matrix Remodeling Puts Strain on TGF-β

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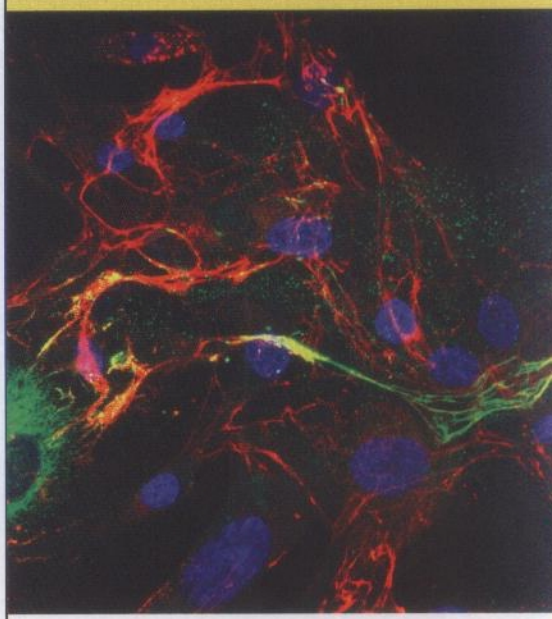
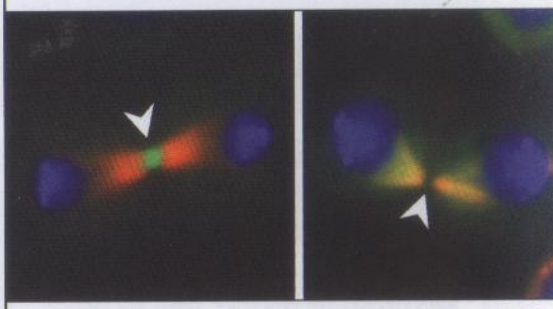


On the cover

Human dermal fibroblasts secrete and incorporate a green fluorescent protein-tagged version of the latent TGF-β1 binding protein into extracellular matrix fibrils containing the fibronectin splice variant ED-A FN (red). Klingberg et al. demonstrate that increased matrix organization and enhanced mechanical strain prime latent TGF-β1 for cell contraction-mediated activation. Fibroblast nuclei are shown in blue.

See page 283.



Polo kinase (green) concentrates at the midbody (arrowhead) of control cells undergoing cytokinesis (left) but broadly localizes on central spindle microtubules (red) in cells treated with an inhibitor of the mitotic kinase Aurora B (right). DNA is shown in blue. Kachaner et al. reveal that Aurora B regulates Polo's localization and function during cytokinesis by inhibiting the kinase's interaction with the microtubule-associated protein Map205. Image © 2014 Kachaner et al.
See page 201.