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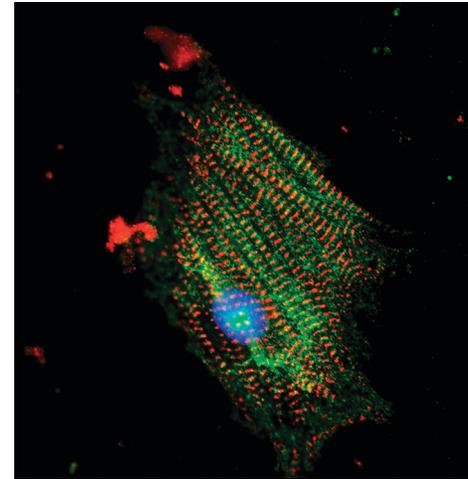
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**ON THE COVER**

The actin-capping protein CapZ integrates mechanosignaling pathways, such as phosphorylation and phosphatidylinositol 4,5-bisphosphate (PIP2) binding, to regulate muscle growth in response to mechanical loading by substrates of varying stiffness. Here, PIP2 is localized to the Z-disks of a neonatal rat ventricular myocyte grown on a stiff glass substrate, fixed and stained for  $\alpha$ -actinin (red) and PIP2 (green). Results show the C-terminal domain of the CapZ $\beta$ 1 subunit stabilizes CapZ and PIP2 interactions, which may have relevance to fibrotic heart disease. See page 660.