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Pushing, pulling, and squeezing our way to understanding mechanotransduction

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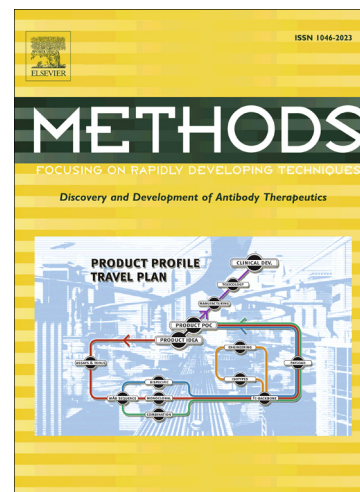
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Pushing, pulling, and squeezing our way to understanding mechanotransduction**Michael J. Siedlik¹, Victor D. Varner¹, and Celeste M. Nelson^{1,2*}**Departments of ¹Chemical & Biological Engineering and ²Molecular Biology

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Keywords: mechanical stress; morphogenesis**Abbreviations:** 2D, two-dimensional; 3D, three-dimensional; Cry2, cryptochrome 2; ECM, extracellular matrix; FAK, focal adhesion kinase; FRET, fluorescence resonance energy transfer; MRTF, myocardin-related transcription factor; SRF, serum response factor; TAZ, transcriptional coactivator with PDZ-binding motif; TFM, traction force microscopy; YAP, yes-associated protein

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