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Adding dimension to cellular mechanotransduction: Advances in biomedical engineering of multi-axial cell-stretch systems and their application to cardiovascular biomechanics and mechano-signaling

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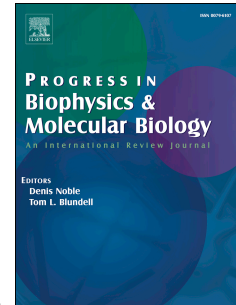
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**Adding Dimension to cellular Mechanotransduction:  
Advances in Biomedical Engineering of multiaxial Cell-Stretch  
Systems and their Application to cardiovascular Biomechanics and  
Mechano-Signaling**

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**Running title:** 3D mechanotransduction devices for cardiac tissue

**Key words:** cardiac muscle, mechanotransduction, TRPC channel, Ca<sup>2+</sup> fluorescence, biomedical engineering, IsoStretcher

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