

Accepted Manuscript

Force-Driven Growth of Intercellular Junctions

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PII: S0022-5193(17)30148-0
DOI: [10.1016/j.jtbi.2017.03.028](https://doi.org/10.1016/j.jtbi.2017.03.028)
Reference: YJTBI 9021

To appear in: *Journal of Theoretical Biology*

Received date: 7 August 2016
Revised date: 28 March 2017
Accepted date: 29 March 2017



Please cite this article as: Mohammad Tehrani , Alireza S. Sarvestani , Force-Driven Growth of Intercellular Junctions, *Journal of Theoretical Biology* (2017), doi: [10.1016/j.jtbi.2017.03.028](https://doi.org/10.1016/j.jtbi.2017.03.028)

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Highlights:

- A thermodynamic model for the force-dependent behavior of cell-cell junctions is proposed.
- The behavior of clusters of slip and catch bonds subjected to a pulling force is studied.
- The junctions formed by catch bonds features some hallmarks of cell mechanotransduction.

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