

Collaborative paper published in Cell Systems (April 1, 2019)

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A paper, which was the result of a two and a half year collaboration between Associate Professor Ileana Cristea (Dept. Mol. Biol., Princeton U.) and Professor Naoto Ueno (NIBB), titled "Mechanical Force Induces Phosphorylation-Mediated Signaling that Underlies Tissue Response and Robustness in Xenopus Embryos" was published on line in Cell Systems.

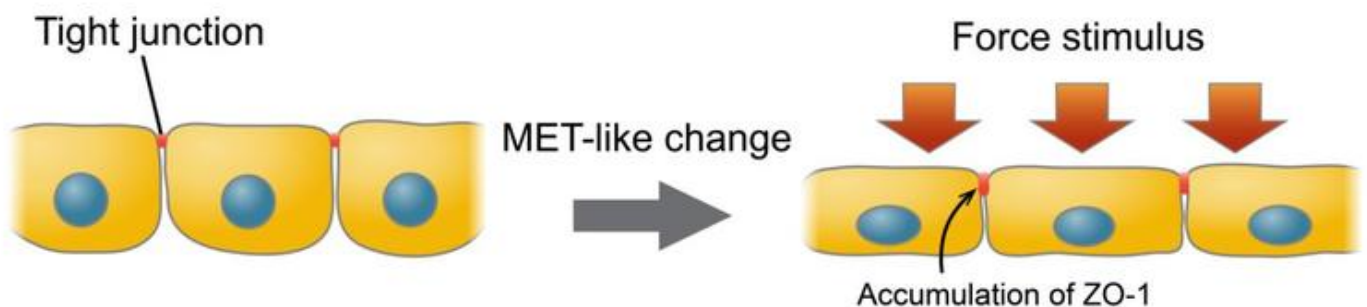


Figure: Cellular changes after force stimulation

Tight junctions (TJ) that seal between cells are strengthened by the accumulation of a TJ component ZO-1.

<http://www.nibb.ac.jp/en/press/2019/03/07.html>

https://www.eurekalert.org/pub_releases/2019-03/nion-ecr030719.php

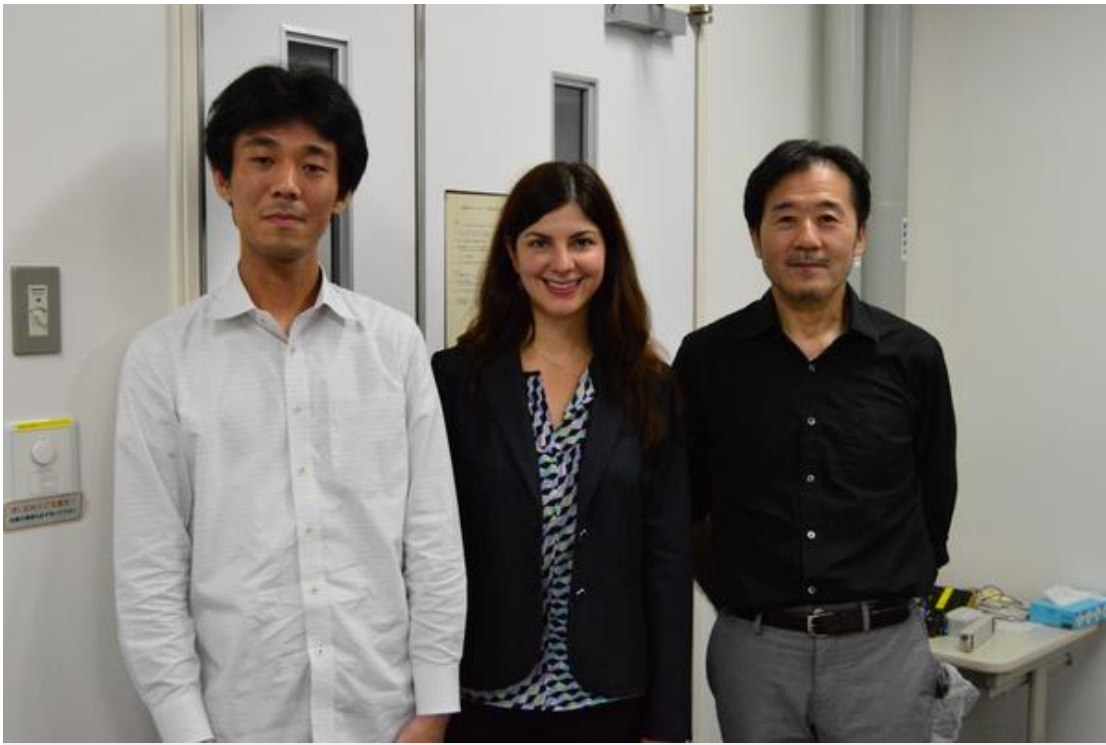


Photo: Dr. Yutaka Hashimoto (left), Prof. Ileana Cristea (center), and Prof. Naoto Ueno (right)

※The first author of this paper was Dr. Yutaka Hashimoto, who went on to become a NINS-QIB fellow.