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Publications:

[Google Scholar](#) - [ArXiv](#) - [Orcid](#)

[Teaching website](#)

Key publications

Year of publication 2017

Francesco Gianoli, Thomas Risler, Andrei S. Kozlov (2017 Dec 19)

Lipid bilayer mediates ion-channel cooperativity in a model of hair-cell mechanotransduction

Proceedings of the National Academy of Sciences of the United States of America : 114 : E11010-E11019 : [DOI : 10.1073/pnas.1713135114](https://doi.org/10.1073/pnas.1713135114)

Year of publication 2013

Pedro Campinho, Martin Behrndt, Jonas Ranft, Thomas Risler, Nicolas Minc, Carl-Philipp



Team Members

Physical Approach of Biological Problems

Heisenberg (2013 Nov 12)

Tension-oriented cell divisions limit anisotropic tissue tension in epithelial spreading during zebrafish epiboly.

Nature cell biology : 1405-14 : [DOI : 10.1038/ncb2869](https://doi.org/10.1038/ncb2869)

Year of publication 2011

Fabien Montel, Morgan Delarue, Jens Elgeti, Laurent Malaquin, Markus Basan, Thomas Risler, Bernard Cabane, Danijela Vignjevic, Jacques Prost, Giovanni Cappello, Jean-François Joanny (2011 Mar 3)

Stress clamp experiments on multicellular tumor spheroids.

Physical review letters : 188102