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## Publications clés

### Année de publication : 2020

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R G Alonso, M Tobin, P Martin, A J Hudspeth (2020 Nov 17)

**Fast recovery of disrupted tip links induced by mechanical displacement of hair bundles.***Proceedings of the National Academy of Sciences of the United States of America* : 30722-30727: DOI : [10.1073/pnas.2016858117](https://doi.org/10.1073/pnas.2016858117)

### Année de publication : 2019

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Mathieu Richard, Carles Blanch-Mercader, Hajer Ennomani, Wenxiang Cao, Enrique M De La Cruz, Jean-François Joanny, Frank Jülicher, Laurent Blanchoin, Pascal Martin (2019 Jul 11)

**Active cargo positioning in antiparallel transport networks.***Proceedings of the National Academy of Sciences of the United States of America* : DOI :[10.1073/pnas.1900416116](https://doi.org/10.1073/pnas.1900416116)

Mélanie Tobin, Atitheeb Chaiyasitdhi, Vincent Michel, Nicolas Michalski, Pascal Martin (2019 Apr 2)

**Stiffness and tension gradients of the hair cell's tip-link complex in the mammalian cochlea.***eLife* : DOI : [10.7554/eLife.43473](https://doi.org/10.7554/eLife.43473)

### Année de publication : 2018

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Xiao Xie, Oksana Reznichenko, Ludovic Chaput, Pascal Martin, Marie-Paule Teulade-Fichou, Anton Granzhan (2018 Aug 27)

**Topology-Selective Fluorescent « Light-Up » Probes for G-Quadruplex DNA Based on Photoinduced Electron Transfer.**

*Chemistry - A European Journal* : 24 : 12638-12651 : [DOI : 10.1002/chem.201801701](https://doi.org/10.1002/chem.201801701)

**Année de publication : 2010**

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A J Hudspeth, Frank Jülicher, Pascal Martin (2010 Jun 10)

**A critique of the critical cochlea: Hopf-a bifurcation-is better than none.**

*Journal of neurophysiology* : 1219-29 : [DOI : 10.1152/jn.00437.2010](https://doi.org/10.1152/jn.00437.2010)

Jérémie Barral, Kai Dierkes, Benjamin Lindner, Frank Jülicher, Pascal Martin (2010 Apr 19)

**Coupling a sensory hair-cell bundle to cyber clones enhances nonlinear amplification.**

*Proceedings of the National Academy of Sciences of the United States of America* : 8079-84 : [DOI : 10.1073/pnas.0913657107](https://doi.org/10.1073/pnas.0913657107)

**Année de publication : 2007**

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Jean-Yves Tinevez, Frank Jülicher, Pascal Martin (2007 Aug 17)

**Unifying the various incarnations of active hair-bundle motility by the vertebrate hair cell.**

*Biophysical journal* : 4053-67

**Année de publication : 1999**

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P Martin, A J Hudspeth (1999 Dec 10)

**Active hair-bundle movements can amplify a hair cell's response to oscillatory mechanical stimuli.**

*Proceedings of the National Academy of Sciences of the United States of America* : 14306-11