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## Financements actuels

- ANR-14-BLANC, 178 000€, 2014-2018.
- ARC Programme labélisé 2013, 300 000€, 2013-2016.
- ERC Advanced Grant 2 419 000€, 2014-2019

## Publications clés

### Année de publication : 2017

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Diana Pinheiro, Edouard Hannezo, Sophie Herszterg, Floris Bosveld, Isabelle Gaugue, Maria Balakireva, Zhimin Wang, Inês Cristo, Stéphane U Rigaud, Olga Markova, Yohanns Bellaïche (2017 Mar 16)

**Transmission of cytokinesis forces via E-cadherin dilution and actomyosin flows.**

*Nature* : [DOI : 10.1038/nature22041](https://doi.org/10.1038/nature22041)

### Année de publication : 2016

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Floris Bosveld, Olga Markova, Boris Guirao, Charlotte Martin, Zhimin Wang, Anaëlle Pierre, Maria Balakireva, Isabelle Gaugue, Anna Ainslie, Nicolas Christophorou, David K Lubensky, Nicolas Minc, Yohanns Bellaïche (2016 Feb 18)

**Epithelial tricellular junctions act as interphase cell shape sensors to orient mitosis.**

*Nature* : 495-8 : [DOI : 10.1038/nature16970](https://doi.org/10.1038/nature16970)

**Année de publication : 2015**

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Boris Guirao, Stéphane U Rigaud, Floris Bosveld, Anaïs Bailles, Jesús López-Gay, Shuji Ishihara, Kaoru Sugimura, François Graner, Yohanns Bellaïche (2015 Dec 15)

**Unified quantitative characterization of epithelial tissue development.**

*eLife* : [DOI : 10.7554/eLife.08519](https://doi.org/10.7554/eLife.08519)

Floris Bosveld, Boris Guirao, Zhimin Wang, Mathieu Rivière, Isabelle Bonnet, François Graner, Yohanns Bellaïche (2015 Jul 5)

**Modulation of junction tension by tumor suppressors and proto-oncogenes regulates cell-cell contacts.**

*Development (Cambridge, England)* : 623-34 : [DOI : 10.1242/dev.127993](https://doi.org/10.1242/dev.127993)

**Année de publication : 2013**

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Pierre-Luc Bardet, Boris Guirao, Camille Paoletti, Fanny Serman, Valentine Léopold, Floris Bosveld, Yûki Goya, Vincent Mirouse, François Graner, Yohanns Bellaïche (2013 May 28)

**PTEN controls junction lengthening and stability during cell rearrangement in epithelial tissue.**

*Developmental cell* : 534-46 : [DOI : 10.1016/j.devcel.2013.04.020](https://doi.org/10.1016/j.devcel.2013.04.020)

Sophie Herszterg, Andrea Leibfried, Floris Bosveld, Charlotte Martin, Yohanns Bellaïche (2013 Feb 16)

**Interplay between the dividing cell and its neighbors regulates adherens junction formation during cytokinesis in epithelial tissue.**

*Developmental cell* : 256-70 : [DOI : 10.1016/j.devcel.2012.11.019](https://doi.org/10.1016/j.devcel.2012.11.019)

**Année de publication : 2012**

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Floris Bosveld, Isabelle Bonnet, Boris Guirao, Sham Tlili, Zhimin Wang, Ambre Petitalot, Raphaël Marchand, Pierre-Luc Bardet, Philippe Marcq, François Graner, Yohanns Bellaïche (2012 Apr 14)

**Mechanical control of morphogenesis by Fat/Dachsous/Four-jointed planar cell polarity pathway.**

*Science (New York, N.Y.)* : 724-7 : [DOI : 10.1126/science.1221071](https://doi.org/10.1126/science.1221071)

**Année de publication : 2010**

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Marion Ségalen, Christopher A Johnston, Charlotte A Martin, Julien G Dumortier, Kenneth E Prehoda, Nicolas B David, Chris Q Doe, Yohanns Bellaïche (2010 Apr 19)

**The Fz-Dsh planar cell polarity pathway induces oriented cell division via Mud/NuMA in *Drosophila* and zebrafish.**

*Developmental cell* : 740-52 : [DOI : 10.1016/j.devcel.2010.10.004](https://doi.org/10.1016/j.devcel.2010.10.004)

Maria-Isabel Yuseff, Anne Reversat, Danielle Lankar, Jheimmy Diaz, Isabelle Fanget, Paolo Pierobon, Violaine Randrian, Nathanael Larochette, Fulvia Vascotto, Chantal Desdouets, Bertrand Jauffred, Yohanns Bellaïche, Stéphane Gasman, François Darchen, Claire Desnos, Ana-Maria Lennon-Duménil (2010 Mar 11)

**Polarized secretion of lysosomes at the B cell synapse couples antigen extraction to processing and presentation.**

*Immunity* : 361-74 : [DOI : 10.1016/j.immuni.2011.07.008](https://doi.org/10.1016/j.immuni.2011.07.008)

Année de publication : 2008

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Pierre Fichelson, Clara Moch, Kenzo Ivanovitch, Charlotte Martin, Clara M Sidor, Jean-Antoine Lepesant, Yohanns Bellaïche, Jean-René Huynh (2008 Nov 14)

**Live-imaging of single stem cells within their niche reveals that a U3snoRNP component segregates asymmetrically and is required for self-renewal in *Drosophila*.**

*Nature cell biology* : 685-93 : [DOI : 10.1038/ncb1874](https://doi.org/10.1038/ncb1874)

Année de publication : 2006

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Maria Balakireva, Carine Rossé, Johanna Langevin, Yu-chen Chien, Michel Gho, Geneviève Gonzy-Treboul, Stéphanie Voegeling-Lemaire, Sandra Aresta, Jean-Antoine Lepesant, Yohanns Bellaïche, Michael White, Jacques Camonis (2006 Sep 25)

**The Ral/exocyst effector complex counters c-Jun N-terminal kinase-dependent apoptosis in *Drosophila melanogaster*.**

*Molecular and cellular biology* : 8953-63

Année de publication : 2005

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Nicolas B David, Charlotte A Martin, Marion Segalen, François Rosenfeld, François Schweisguth, Yohanns Bellaïche (2005 Oct 18)

***Drosophila* Ric-8 regulates Galphai cortical localization to promote Galphai-dependent planar orientation of the mitotic spindle during asymmetric cell division.**

*Nature cell biology* : 1083-90

Johanna Langevin, Matthew J Morgan, Jean-Baptiste Sibarita, Sandra Aresta, Mala Murthy, Thomas Schwarz, Jacques Camonis, Yohanns Bellaïche (2005 Oct 15)

***Drosophila* exocyst components Sec5, Sec6, and Sec15 regulate DE-Cadherin**



Membres de l'équipe  
**Polarité, division et morphogenèse**

**trafficking from recycling endosomes to the plasma membrane.**

*Developmental cell* : 365-76