

Author	Title	Publication Title	DOI
Elkin, Joel; Martin, Arnaud; Courtier-Orgogozo, Virginie; Santos, M. Emília	Analysis of the genetic loci of pigment pattern evolution in vertebrates	Biological Reviews of the Cambridge Philosophical Society	10.1111/brv.12952
Cao, Luyan; Ghasemi, Foad; Way, Michael; Jégou, Antoine; Romet-Lemonne, Guillaume	Regulation of branched versus linear Arp2/3-generated actin filaments	The EMBO journal	10.15252/embj.2022113008
Richard Albert, Julien; Kobayashi, Toshihiro; Inoue, Azusa; Monteagudo-Sánchez, Ana; Kumamoto, Soichiro; Takashima, Tomoya; Miura, Asuka; Oikawa, Mami; Miura, Fumihito; Takada, Shuji; Hirabayashi, Masumi; Korthauer, Keegan; Kurimoto, Kazuki; Greenberg, Maxim V. C.; Lorincz, Matthew; Kobayashi, Hisato	Conservation and divergence of canonical and non-canonical imprinting in murids	Genome Biology	10.1186/s13059-023-02869-1
Tomaino, Giulia; Pantaleoni, Camilla; Ami, Diletta; Pellicchia, Filomena; Dutriaux, Annie; Barbieri, Linda; Garbujo, Stefania; Natalello, Antonino; Tortora, Paolo; Frascotti, Gianni	Addressing Critical Issues Related to Storage and Stability of the Vault Nanoparticle Expressed and Purified from Komagataella phaffii	International Journal of Molecular Sciences	10.3390/ijms24044214
Najafi, Javad; Dmitrieff, Serge; Minc, Nicolas	Size- and position-dependent cytoplasm viscoelasticity through hydrodynamic interactions with the cell surface	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.2216839120
Macaisne, Nicolas; Bellutti, Laura; Laband, Kimberley; Edwards, Frances; Pitayu-Nugroho, Laras; Gervais, Alison; Ganeswaran, Thadshagine; Geoffroy, Hélène; Maton, Gilliane; Canman, Julie C.; Lacroix, Benjamin; Dumont, Julien	Synergistic stabilization of microtubules by BUB-1, HCP-1, and CLS-2 controls microtubule pausing and meiotic spindle assembly	eLife	10.7554/eLife.82579
Lignieres, Laurent; Sénécaut, Nicolas; Dang, Tien; Bellutti, Laura; Hamon, Marion; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Mège, René-Marc; Dumont, Julien; Camadro, Jean-Michel	Extending the Range of SLIM-Labeling Applications: From Human Cell Lines in Culture to Caenorhabditis elegans Whole-Organism Labeling	Journal of Proteome Research	10.1021/acs.jproteome.2c00699
Ferreras, Soledad; Singh, Neha Pratap; Le Borgne, Remi; Bun, Philippe; Binz, Thomas; Parton, Robert G.; Verbavatz, Jean-Marc; Vannier, Christian; Galli, Thierry	A synthetic organelle approach to probe SNARE-mediated membrane fusion in a bacterial host	The Journal of Biological Chemistry	10.1016/j.jbc.2023.102974
Hardy, Alexis; Duharcourt, Sandra; Defrance, Matthieu	DNA Modification Patterns Filtering and Analysis Using DNAModAnnot	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2962-8_7
Guevara-Garcia, Amaris; Soleilhac, Matis; Minc, Nicolas; Delacour, Delphine	Regulation and functions of cell division in the intestinal tissue	Seminars in Cell & Developmental Biology	10.1016/j.semcdb.2023.01.004
Sonam, Surabhi; Balasubramaniam, Lakshmi; Lin, Shao-Zhen; Ivan, Ying Ming Yow; Jaumà, Irina Pi; Jebane, Cecile; Karnat, Marc; Toyama, Yusuke; Marcq, Philippe; Prost, Jacques; Mège, René-Marc; Rupperecht, Jean-François; Ladoux, Benoît	Mechanical stress driven by rigidity sensing governs epithelial stability	Nature Physics	10.1038/s41567-022-01826-2
Moniot-Perron, Laura; Moindrot, Benoit; Manceau, Line; Edouard, Joanne; Jaszczyszyn, Yan; Gilardi-Hebenstreit, Pascale; Hernandez, Céline; Boyer, Sébastien; Noordermeer, Daan	The Drosophila Fab-7 boundary modulates Abd-B gene activity by guiding an inversion of collinear chromatin organization and alternate promoter use	Cell Reports	10.1016/j.celrep.2022.111967
Scrima, Nathalie; Le Bars, Romain; Nevers, Quentin; Glon, Damien; Chevreux, Guillaume; Civas, Ahmet; Blondel, Danielle; Lagaudrière-Gesbert, Cécile; Gaudin, Yves	Rabies virus P protein binds to TBK1 and interferes with the formation of innate immunity-related liquid condensates	Cell Reports	10.1016/j.celrep.2022.111949
Bayot, Juliette; Martin, Caroline; Chevreux, Guillaume; Camadro, Jean-Michel; Auchère, Françoise	The adaptive response to alternative carbon sources in the pathogen Candida albicans involves a remodeling of thiol- and glutathione-dependent redox status	The Biochemical Journal	10.1042/BCJ20220505
Rose, Nicolas; Estrada Chavez, Berenice; Sonam, Surabhi; Nguyen, Thao; Greci, Gianluca; Bigot, Anne; Muchir, Antoine; Ladoux, Benoît; Cadot, Bruno; Le Grand, Fabien; Trichet, Léa	Bioengineering a miniaturized in vitro 3D myotube contraction monitoring chip to model muscular dystrophies	Biomaterials	10.1016/j.biomaterials.2022.121935

Gorgé, Olivier; Bennett, E. Andrew; Massilani, Diyendo; Daligault, Julien; Geigl, Eva-Maria; Grange, Thierry	Analysis of Ancient Microbial DNA	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2871-3_6
Lignieres, Laurent; Legros, Véronique; Khelil, Manel; Senecaut, Nicolas; Lauber, Matthew A.; Camadro, Jean-Michel; Chevreux, Guillaume	Capillary liquid chromatography coupled with mass spectrometry for analysis of nanogram protein quantities on a wide-pore superficially porous particle column in top-down proteomics	Journal of Chromatography. B, Analytical Technologies in the Biomedical and Life Sciences	10.1016/j.jchromb.2022.123566
Planchais, Séverine; Camborde, Laurent; Jupin, Isabelle	Protocols for Studying Protein Stability in an Arabidopsis Protoplast Transient Expression System	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2784-6_13
Ariste, Olivier; de la Grange, Pierre; Veitia, Reiner A.	Recurrent missense variants in clonal hematopoiesis-related genes present in the general population	Clinical Genetics	10.1111/cge.14259
Elkin, Joel; Martin, Arnaud; Courtier-Orgogozo, Virginie; Santos, M. Emília	Analysis of the genetic loci of pigment pattern evolution in vertebrates	Biological Reviews of the Cambridge Philosophical Society	10.1111/brv.12952
Galenza, Anthony; Moreno-Roman, Paola; Su, Yu-Han; Acosta-Alvarez, Lehi; Debec, Alain; Guichet, Antoine; Knapp, Jon-Michael; Kizilyaprak, Caroline; Humbel, Bruno M.; Kolotuev, Irina; O'Brien, Lucy Erin	Basal stem cell progeny establish their apical surface in a junctional niche during turnover of an adult barrier epithelium	Nature Cell Biology	10.1038/s41556-023-01116-w
Dupré, Aude; Wassmann, Katja	[Cyclin B3: Locking female meiosis to await fertilization]	Medecine Sciences: M/S	10.1051/medsci/2023019
Hasanova, Zdenka; Klapstova, Veronika; Porrua, Odil; Stefl, Richard; Sebesta, Marek	Human senataxin is a bona fide R-loop resolving enzyme and transcription termination factor	Nucleic Acids Research	10.1093/nar/gkad092
Pozzi, Cecilia; Vanet, Anne; Francesconi, Valeria; Tagliazucchi, Lorenzo; Tassone, Giusy; Venturelli, Alberto; Spyraakis, Francesca; Mazzorana, Marco; Costi, Maria P.; Tonelli, Michele	Antitarget, Anti-SARS-CoV-2 Leads, Drugs, and the Drug Discovery-Genetics Alliance Perspective	Journal of Medicinal Chemistry	10.1021/acs.jmedchem.2c01229
Kawaue, Takumi; Yow, Ivan; Pan, Yuping; Le, Anh Phuong; Lou, Yuting; Loberas, Mavis; Shagirov, Murat; Teng, Xiang; Prost, Jacques; Hiraiwa, Tetsuya; Ladoux, Benoit; Toyama, Yusuke	Inhomogeneous mechanotransduction defines the spatial pattern of apoptosis-induced compensatory proliferation	Developmental Cell	10.1016/j.devcel.2023.01.005
Scherrer, Klaus	Is RNA the working genome in eukaryotes ? The 60 year evolution of a conceptual challenge	Experimental Cell Research	10.1016/j.yexcr.2023.113493
Rocha, Helder; Simões, Patrícia A.; Budrewicz, Jacqueline; Lara-Gonzalez, Pablo; Carvalho, Ana Xavier; Dumont, Julien; Desai, Arshad; Gassmann, Reto	Nuclear-enriched protein phosphatase 4 ensures outer kinetochore assembly prior to nuclear dissolution	The Journal of Cell Biology	10.1083/jcb.202208154
Pinto, Nicolás A.; Abba, Martín C.; Laporte, Lorena; Pérez Sáez, Juan M.; Blidner, Ada G.; Torres, Nicolás I.; Morales, Rosa M.; Gatto, Sabrina G.; Bach, Camila A.; Veigas, Florencia; García Rivello, Hernán J.; Song, Peng; Frederiksen, Jane H.; Rasmussen, Lene Juel; Poirier, Françoise; Croci, Diego O.; Sundblad, Victoria; Rabinovich, Gabriel A.; Cerliani, Juan P.	Galectin-7 reprograms skin carcinogenesis by fostering innate immune evasive programs	Cell Death and Differentiation	10.1038/s41418-022-01108-7
Chevalier, Louis; Pinar, Mario; Le Borgne, Rémi; Durieu, Catherine; Peñalva, Miguel A.; Boudaoud, Arezki; Minc, Nicolas	Cell wall dynamics stabilize tip growth in a filamentous fungus	PLoS biology	10.1371/journal.pbio.3001981
Llano, Elena; Todeschini, Anne Laure; Felipe-Medina, Natalia; Corte-Torres, María D.; Condezo, Yazmine B.; Sanchez-Martin, Manuel; López-Tamargo, Sara; Astudillo, Aurora; Puente, Xose S.; Pendas, Alberto M.; Veitia, Reiner A.	The Oncogenic FOXL2 C134W Mutation Is a Key Driver of Granulosa Cell Tumors	Cancer Research	10.1158/0008-5472.CAN-22-1880
Maufront, Julien; Guichard, Bérengère; Cao, Lu-Yan; Cicco, Aurélie Di; Jégou, Antoine; Romet-Lemonne, Guillaume; Bertin, Aurélie	Direct observation of the conformational states of formin mDia1 at actin filament barbed ends and along the filament	Molecular Biology of the Cell	10.1091/mbc.E22-10-0472

Lignieres, Laurent; Legros, Véronique; Khelil, Manel; Senecaut, Nicolas; Lauber, Matthew A.; Camadro, Jean-Michel; Chevreux, Guillaume	Capillary liquid chromatography coupled with mass spectrometry for analysis of nanogram protein quantities on a wide-pore superficially porous particle column in top-down proteomics	Journal of Chromatography. B, Analytical Technologies in the Biomedical and Life Sciences	10.1016/j.jchromb.2022.123566
Chevalier, Louis; Pinar, Mario; Le Borgne, Rémi; Durieu, Catherine; Peñalva, Miguel A.; Boudaoud, Arezki; Minc, Nicolas	Cell wall dynamics stabilize tip growth in a filamentous fungus	PLoS biology	10.1371/journal.pbio.3001981
Lignieres, Laurent; Sénécaut, Nicolas; Dang, Tien; Bellutti, Laura; Hamon, Marion; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Mège, René-Marc; Dumont, Julien; Camadro, Jean-Michel	Extending the Range of SLIM-Labeling Applications: From Human Cell Lines in Culture to Caenorhabditis elegans Whole-Organism Labeling	Journal of Proteome Research	10.1021/acs.jproteome.2c00699
Lignieres, Laurent; Sénécaut, Nicolas; Dang, Tien; Bellutti, Laura; Hamon, Marion; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Mège, René-Marc; Dumont, Julien; Camadro, Jean-Michel	Extending the Range of SLIM-Labeling Applications: From Human Cell Lines in Culture to Caenorhabditis elegans Whole-Organism Labeling	Journal of Proteome Research	10.1021/acs.jproteome.2c00699
Lignieres, Laurent; Sénécaut, Nicolas; Dang, Tien; Bellutti, Laura; Hamon, Marion; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Mège, René-Marc; Dumont, Julien; Camadro, Jean-Michel	Extending the Range of SLIM-Labeling Applications: From Human Cell Lines in Culture to Caenorhabditis elegans Whole-Organism Labeling	Journal of Proteome Research	10.1021/acs.jproteome.2c00699
Lignieres, Laurent; Sénécaut, Nicolas; Dang, Tien; Bellutti, Laura; Hamon, Marion; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Mège, René-Marc; Dumont, Julien; Camadro, Jean-Michel	Extending the Range of SLIM-Labeling Applications: From Human Cell Lines in Culture to Caenorhabditis elegans Whole-Organism Labeling	Journal of Proteome Research	10.1021/acs.jproteome.2c00699
Bayot, Juliette; Martin, Caroline; Chevreux, Guillaume; Camadro, Jean-Michel; Auchère, Françoise	The adaptive response to alternative carbon sources in the pathogen <i>Candida albicans</i> involves a remodeling of thiol- and glutathione-dependent redox status	The Biochemical Journal	10.1042/BCJ20220505
Álvarez-Campos, Patricia; Planques, Anabelle; Bideau, Loïc; Vervoort, Michel; Gazave, Eve	On the hormonal control of posterior regeneration in the annelid <i>Platynereis dumerilii</i>	Journal of Experimental Zoology. Part B, Molecular and Developmental Evolution	10.1002/jez.b.23182
Gout, Jean-Francois; Hao, Yue; Johri, Parul; Arnaiz, Olivier; Doak, Thomas G.; Bhullar, Simran; Couloux, Arnaud; Guérin, Frédéric; Malinsky, Sophie; Potekhin, Alexey; Sawka, Natalia; Sperling, Linda; Labadie, Karine; Meyer, Eric; Duharcourt, Sandra; Lynch, Michael	Dynamics of gene loss following ancient whole-genome duplication in the cryptic <i>Paramecium</i> complex	Molecular Biology and Evolution	10.1093/molbev/msad107
Poulain, Pierre; Bertrand, Mickael; Dufour, Héloïse; Taly, Antoine	A field guide for implementing a flipped classroom	Biochemistry and Molecular Biology Education: A Bimonthly Publication of the International Union of Biochemistry and Molecular Biology	10.1002/bmb.21737
André, Kévin M.; Giordanengo Aiach, Nathalie; Martinez-Fernandez, Veronica; Zeitler, Leo; Alberti, Adriana; Goldar, Arach; Werner, Michel; Denby Wilkes, Cyril; Soutourina, Julie	Functional interplay between Mediator and RSC chromatin remodeling complex controls nucleosome-depleted region maintenance at promoters	Cell Reports	10.1016/j.celrep.2023.112465
Gout, Jean-Francois; Hao, Yue; Johri, Parul; Arnaiz, Olivier; Doak, Thomas G.; Bhullar, Simran; Couloux, Arnaud; Guérin, Frédéric; Malinsky, Sophie; Potekhin, Alexey; Sawka, Natalia; Sperling, Linda; Labadie, Karine; Meyer, Eric; Duharcourt, Sandra; Lynch, Michael	Dynamics of gene loss following ancient whole-genome duplication in the cryptic <i>Paramecium</i> complex	Molecular Biology and Evolution	10.1093/molbev/msad107
Legras, Mathieu; Ghisleni, Giulia; Soilihi, Rabouant; Celmar, Enzo; Balavoine, Guillaume	Fast Cycling Culture of the Marine Annelid <i>Platynereis dumerilii</i>		10.1101/2023.04.30.538804
Tomaino, Giulia; Pantaleoni, Camilla; Ami, Diletta; Pellicchia, Filomena; Dutriaux, Annie; Barbieri, Linda; Garbujo, Stefania; Natalello, Antonino; Tortora, Paolo; Frascotti, Gianni	Addressing Critical Issues Related to Storage and Stability of the Vault Nanoparticle Expressed and Purified from <i>Komagataella phaffii</i>	International Journal of Molecular Sciences	10.3390/ijms24044214

Patel, Heta P.; Coppola, Stefano; Pomp, Wim; Aiello, Umberto; Brouwer, Ineke; Libri, Domenico; Lenstra, Tineke L.	DNA supercoiling restricts the transcriptional bursting of neighboring eukaryotic genes	Molecular Cell	10.1016/j.molcel.2023.04.015
Orniacki, Clarisse; Verrico, Annalisa; Pelletier, Stéphane; Souquet, Benoit; Couplier, Fanny; Jourden, Laurent; Benetti, Serena; Doye, Valérie	Y-complex nucleoporins independently contribute to nuclear pore assembly and gene regulation in neuronal progenitors	Journal of Cell Science	10.1242/jcs.261151
Dhouib, Ameni; Mezghrani, Braham; Finocchiaro, Giusy; Le Borgne, Rémi; Berthet, Mathéo; Daydé-Cazals, Bénédicte; Graillot, Alain; Ju, Xiaohui; Berret, Jean-François	Synthesis of Stable Cerium Oxide Nanoparticles Coated with Phosphonic Acid-Based Functional Polymers	Langmuir: the ACS journal of surfaces and colloids	10.1021/acs.langmuir.3c00576
	Sciences fondamentales UE 1.1 à 1.4	De Boeck Supérieur	
	Atlas d'embryologie descriptive		
	Biologie du développement		
Loh, Maëlys; Bernard, Fred; Guichet, Antoine	Kinesin-1 promotes centrosome clustering and nuclear migration in the Drosophila oocyte		10.1101/2022.02.16.480671
Demoor, Alexander; Lacaze, Isabelle; Ferrari, Roselyne; Lalanne, Christophe; Silar, Philippe; Brun, Sylvain	GUN Mutants: New Weapons To Unravel Ascospore Germination Regulation in the Model Fungus <i>Podospira anserina</i>	Microbiology Spectrum	10.1128/spectrum.01461-22
Siegfried, Hugo; Borgne, Rémi Le; Durieu, Catherine; Laplace, Thaïs De Azevedo; Verraes, Agathe; Daunas, Lucien; Verbavatz, Jean-Marc; Heuzé, Mélina L.	The ER tether VAPA is required for proper cell motility and anchors ER-PM contact sites to focal adhesions		10.1101/2022.10.17.512434
Moniot-Perron, Laura; Moindrot, Benoit; Manceau, Line; Edouard, Joanne; Jaszczyszyn, Yan; Gilardi-Hebenstreit, Pascale; Hernandez, Céline; Bloyer, Sébastien; Noordermeer, Daan	The Drosophila Fab-7 boundary modulates Abd-B gene activity by guiding an inversion of collinear chromatin organization and alternate promoter use	Cell Reports	10.1016/j.celrep.2022.111967
Park, Youngmin; Leduc, Cécile; Etienne-Manneville, Sandrine; Portet, Stéphanie	Models of Vimentin Organization Under Actin-Driven Transport		10.48550/arXiv.2209.02780
Tran, Quang D.; Sorichetti, Valerio; Pehau-Arnaudet, Gerard; Lenz, Martin; Leduc, Cécile	Fragmentation and Entanglement Limit Vimentin Intermediate Filament Assembly	Physical Review X	10.1103/PhysRevX.13.011014
Orniacki, Clarisse; Verrico, Annalisa; Pelletier, Stéphane; Souquet, Benoit; Couplier, Fanny; Jourden, Laurent; Benetti, Serena; Doye, Valérie	Y-complex nucleoporins independently contribute to nuclear pore assembly and gene regulation in neuronal progenitors	Journal of Cell Science	10.1242/jcs.261151
Paré, Louis; Bideau, Loïc; Baduel, Loeiza; Dalle, Caroline; Benchouaia, Médine; Schneider, Stephan Q.; Laplane, Lucie; Clément, Yves; Vervoort, Michel; Gazave, Eve	Transcriptomic landscape of posterior regeneration in the annelid <i>Platynereis dumerilii</i>		10.1101/2023.05.26.542455
Albert, Julien Richard; Greenberg, Maxim V. C.	Non-canonical imprinting in the spotlight	Development	10.1242/dev.201087
Bideau, Loïc; Baduel, Loeiza; Basso, Marianne; Gilardi-Hebenstreit, Pascale; Ribes, Vanessa; Vervoort, Michel; Gazave, Eve	Antero-posterior gradients of cell plasticity and proliferation modulate posterior regeneration in the annelid <i>Platynereis</i>		10.1101/2023.06.12.544593
Paré, Louis; Bideau, Loïc; Baduel, Loeiza; Dalle, Caroline; Benchouaia, Médine; Schneider, Stephan Q.; Laplane, Lucie; Clément, Yves; Vervoort, Michel; Gazave, Eve	Transcriptomic landscape of posterior regeneration in the annelid <i>Platynereis dumerilii</i>		10.1101/2023.05.26.542455
Tiemann, Johanna K. S.; Szczuka, Magdalena; Bouarroudj, Lisa; Oussaren, Mohamed; Garcia, Steven; Howard, Rebecca J.; Delemotte, Lucie; Lindahl, Erik; Baaden, Marc; Lindorff-Larsen, Kresten; Chavent, Matthieu; Poulain, Pierre	MDverse: Shedding Light on the Dark Matter of Molecular Dynamics Simulations		10.1101/2023.05.02.538537
Park, Youngmin; Leduc, Cécile; Etienne-Manneville, Sandrine; Portet, Stéphanie	Models of vimentin organization under actin-driven transport	Physical Review E	10.1103/PhysRevE.107.054408
Hubert, Antoine; Farkouh, Georges; Harms, Fabrice; Veilly, Cynthia; Imperato, Sophia; Mercier, Mathias; Loriette, Vincent; Rouyer, François; Fragola, Alexandra	Enhanced neuroimaging with a calcium sensor in ex-vivo <i>Drosophila melanogaster</i> brains using closed-loop adaptive optics light-sheet fluorescence microscopy	Journal of Biomedical Optics	10.1117/1.JBO.28.6.066501

Loh, Maëlys; Bernard, Fred; Guichet, Antoine	Kinesin-1 promotes centrosome clustering and nuclear migration in the <i>Drosophila</i> oocyte	Development	10.1242/dev.201728
Santini, Sébastien; Schenkelaars, Quentin; Jourda, Cyril; Duchesne, Marc; Belahbib, Hassiba; Rocher, Caroline; Selva, Marjorie; Riesgo, Ana; Vervoort, Michel; Leys, Sally P.; Kodjabachian, Laurent; Le Bivic, André; Borchiellini, Carole; Claverie, Jean-Michel; Renard, Emmanuelle	The compact genome of the sponge <i>Opsacas minuta</i> (Hexactinellida) is lacking key metazoan core genes	BMC Biology	10.1186/s12915-023-01619-w
Aiello, Umberto; Challal, Drice; Wentzinger, Griselda; Lengronne, Armelle; Appanah, Rowin; Pasero, Philippe; Palancade, Benoit; Libri, Domenico	Sen1 is a key regulator of transcription-driven conflicts	Molecular Cell	10.1016/j.molcel.2022.06.021
Xie, Juanjuan; Aiello, Umberto; Clement, Yves; Haidara, Nouhou; Girbig, Mathias; Schmitzova, Jana; Pena, Vladimir; Müller, Christoph W.; Libri, Domenico; Porrua, Odil	An integrated model for termination of RNA polymerase III transcription	Science Advances	10.1126/sciadv.abm9875
Willems, Marjolaine; Wells, Constance F.; Coubes, Christine; Pequignot, Marie; Kuony, Alison; Michon, Frederic	Hypolacrimia and Alacrimia as Diagnostic Features for Genetic or Congenital Conditions	Investigative Ophthalmology & Visual Science	10.1167/iovs.63.9.3
Scutenaire, Jérémy; Plassard, Damien; Matelot, Mélody; Villa, Tommaso; Zumsteg, Julie; Libri, Domenico; Séraphin, Bertrand	The <i>S. cerevisiae</i> m6A-reader Pho92 promotes timely meiotic recombination by controlling key methylated transcripts	Nucleic Acids Research	10.1093/nar/gkac640
Dubois, Agnès; Vincenti, Loris; Chervova, Almira; Greenberg, Maxim V. C.; Vandormael-Pournin, Sandrine; Bourc'his, Déborah; Cohen-Tannoudji, Michel; Navarro, Pablo	H3K9 tri-methylation at Nanog times differentiation commitment and enables the acquisition of primitive endoderm fate	Development (Cambridge, England)	10.1242/dev.201074
Monier, Manon; Courtier-Orgogozo, Virginie	<i>Drosophila</i> Glue: A Promising Model for Bioadhesion	Insects	10.3390/insects13080734
Romet-Lemonne, Guillaume	Under the hood of a moving cell	eLife	10.7554/eLife.81108
Azimzadeh, Juliette; Delgehyr, Nathalie; Goud, Bruno; Piel, Matthieu; Thery, Manuel	Michel Bornens (1938-2022), a visionary scientist	Journal of Cell Science	10.1242/jcs.260412
Lappalainen, Pekka; Kotila, Tommi; Jégou, Antoine; Romet-Lemonne, Guillaume	Biochemical and mechanical regulation of actin dynamics	Nature Reviews. Molecular Cell Biology	10.1038/s41580-022-00508-4
Laussel, Clotilde; Albanèse, Véronique; García-Rodríguez, Francisco Javier; Ballin, Alberto; Defenouillère, Quentin; Léon, Sébastien	2-deoxyglucose transiently inhibits yeast AMPK signaling and triggers glucose transporter endocytosis, potentiating the drug toxicity	PLoS genetics	10.1371/journal.pgen.1010169
Guyard, Valentin; Monteiro-Cardoso, Vera Filipa; Omrane, Mohyeddine; Sauvanet, Cécile; Houcine, Audrey; Boulogne, Claire; Ben Mbarek, Kalthoum; Vitale, Nicolas; Faklaris, Orestis; El Khallouki, Naima; Thiam, Abdou Rachid; Giordano, Francesca	ORP5 and ORP8 orchestrate lipid droplet biogenesis and maintenance at ER-mitochondria contact sites	The Journal of Cell Biology	10.1083/jcb.202112107
Veitia, Reiner A.; Birchler, James A.	Gene-dosage issues: a recurrent theme in whole genome duplication events	Trends in genetics: TIG	10.1016/j.tig.2021.06.006
Sallé, Jérémy; Minc, Nicolas	Cell division geometries as central organizers of early embryo development	Seminars in Cell & Developmental Biology	10.1016/j.semcdb.2021.08.004
Doostmohammadi, Amin; Ladoux, Benoit	Physics of liquid crystals in cell biology	Trends in Cell Biology	10.1016/j.tcb.2021.09.012
Rinkevich, Baruch; Ballarin, Lorian; Martinez, Pedro; Somorjai, Ildiko; Ben-Hamo, Oshrat; Borisenko, Ilya; Berezikov, Eugene; Ereskovsky, Alexander; Gazave, Eve; Khnykin, Denis; Manni, Lucia; Petukhova, Olga; Rosner, Amalia; Röttinger, Eric; Spagnuolo, Antonietta; Sugni, Michela; Tiozzo, Stefano; Hobmayer, Bert	A pan-metazoan concept for adult stem cells: the wobbling Penrose landscape	Biological Reviews of the Cambridge Philosophical Society	10.1111/brv.12801

Suvorov, Anton; Kim, Bernard Y.; Wang, Jeremy; Armstrong, Ellie E.; Peede, David; D'Agostino, Emmanuel R. R.; Price, Donald K.; Waddell, Peter; Lang, Michael; Courtier-Orgogozo, Virginie; David, Jean R.; Petrov, Dmitri; Matute, Daniel R.; Schrider, Daniel R.; Comeault, Aaron A.	Widespread introgression across a phylogeny of 155 <i>Drosophila</i> genomes	Current biology: CB	10.1016/j.cub.2021.10.052
Fernández-Alvarez, Ana J.; Gabriela Thomas, María; Pascual, Malena L.; Habif, Martín; Pimentel, Jerónimo; Corbat, Agustín A.; Pessoa, João P.; La Spina, Pablo E.; Boscaglia, Lara; Plessis, Anne; Carmo-Fonseca, Maria; Grecco, Hernán E.; Casado, Marta; Boccaccio, Graciela L.	Smaug1 membrane-less organelles respond to AMPK and mTOR and affect mitochondrial function	Journal of Cell Science	10.1242/jcs.253591
Veitia, Reiner A.; Innan, Hideki	Pathogenic "germline" variants associated with myeloproliferative disorders in apparently normal individuals: Inherited or acquired genetic alterations?	Clinical Genetics	10.1111/cge.14104
Hirsch, Sophia M.; Edwards, Frances; Shirasu-Hiza, Mimi; Dumont, Julien; Canman, Julie C.	Functional midbody assembly in the absence of a central spindle	The Journal of Cell Biology	10.1083/jcb.202011085
Mishra, Ranjan; Minc, Nicolas; Peter, Matthias	Cells under pressure: how yeast cells respond to mechanical forces	Trends in Microbiology	10.1016/j.tim.2021.11.006
Bennett, E. Andrew; Weber, Jill; Bendhafer, Wejden; Champlot, Sophie; Peters, Joris; Schwartz, Glenn M.; Grange, Thierry; Geigl, Eva-Maria	The genetic identity of the earliest human-made hybrid animals, the kungas of Syro-Mesopotamia	Science Advances	10.1126/sciadv.abm0218
Zisis, Themistoklis; Brückner, David B.; Brandstätter, Tom; Siow, Wei Xiong; d'Alessandro, Joseph; Vollmar, Angelika M.; Broedersz, Chase P.; Zahler, Stefan	Disentangling cadherin-mediated cell-cell interactions in collective cancer cell migration	Biophysical Journal	10.1016/j.bpj.2021.12.006
Liu, Dan; Marie, Jean-Claude; Pelletier, Anne-Laure; Song, Zhuoyao; Ben-Khemis, Marwa; Boudiaf, Kaouthar; Pintard, Coralie; Leger, Thibaut; Terrier, Samuel; Chevreux, Guillaume; El-Benna, Jamel; Dang, Pham My-Chan	Protein Kinase CK2 Acts as a Molecular Brake to Control NADPH Oxidase 1 Activation and Colon Inflammation	Cellular and Molecular Gastroenterology and Hepatology	10.1016/j.jcmgh.2022.01.003
Martinez, P.; Ballarin, L.; Ereskovsky, A. V.; Gazave, E.; Hobmayer, B.; Manni, L.; Rottinger, E.; Sprecher, S. G.; Tiozzo, S.; Varela-Coelho, A.; Rinkevich, B.	Articulating the "stem cell niche" paradigm through the lens of non-model aquatic invertebrates	BMC biology	10.1186/s12915-022-01230-5
Leroy, Olivier; van Leen, Eric; Girard, Philippe; Villedieu, Aurélien; Hubert, Christian; Bosveld, Floris; Bellaïche, Yohanns; Renaud, Olivier	Multi-view confocal microscopy enables multiple organ and whole organism live-imaging	Development (Cambridge, England)	10.1242/dev.199760
Yang, Yi-An; Nguyen, Emmanuelle; Sankara Narayana, Gautham Hari Narayana; Heuzé, Melina; Fu, Chaoyu; Yu, Hanry; Mège, René-Marc; Ladoux, Benoît; Sheetz, Michael P.	Local contractions regulate E-cadherin rigidity sensing	Science Advances	10.1126/sciadv.abk0387
Xie, Jing; Najafi, Javad; Le Borgne, Rémi; Verbavatz, Jean-Marc; Durieu, Catherine; Sallé, Jeremy; Minc, Nicolas	Contribution of cytoplasm viscoelastic properties to mitotic spindle positioning	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.2115593119
Haidara, Nouhou; Giannini, Marta; Porrua, Odil	Modulated termination of non-coding transcription partakes in the regulation of gene expression	Nucleic Acids Research	10.1093/nar/gkab1304
Cunningham, Neil H. J.; Bouhleb, Imène B.; Conduit, Paul T.	Daughter centrioles assemble preferentially towards the nuclear envelope in <i>Drosophila</i> syncytial embryos	Open Biology	10.1098/rsob.210343
Wioland, Hugo; Jégou, Antoine; Romet-Lemonne, Guillaume	Celebrating 20 years of live single-actin-filament studies with five golden rules	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.2109506119
Lacroix, Benjamin; Dumont, Julien	Spatial and Temporal Scaling of Microtubules and Mitotic Spindles	Cells	10.3390/cells11020248
Balasubramaniam, Lakshmi; Mège, René-Marc; Ladoux, Benoît	Active nematics across scales from cytoskeleton organization to tissue morphogenesis	Current Opinion in Genetics & Development	10.1016/j.gde.2021.101897

Xi, Wang; Saleh, Jad; Yamada, Ayako; Tomba, Caterina; Mercier, Barbara; Janel, Sébastien; Dang, Tien; Soleilhac, Matis; Djemat, Aurélie; Wu, Huiqiong; Romagnolo, Béatrice; Lafont, Frank; Mège, René-Marc; Chen, Yong; Delacour, Delphine	Modulation of designer biomimetic matrices for optimized differentiated intestinal epithelial cultures	Biomaterials	10.1016/j.biomaterials.2022.121380
Poinsignon, Thibault; Gallopin, Mélina; Camadro, Jean-Michel; Poulain, Pierre; Lelandais, Gaëlle	Additional insights into the organization of transcriptional regulatory modules based on a 3D model of the <i>Saccharomyces cerevisiae</i> genome	BMC research notes	10.1186/s13104-022-05940-5
Cadé, Marie; Muñoz-Garcia, Javier; Babuty, Antoine; Paré, Louis; Cochonneau, Denis; Fekir, Karim; Chatelais, Mathias; Heymann, Marie-Françoise; Lokajczyk, Anna; Boisson-Vidal, Catherine; Heymann, Dominique	FVIII regulates the molecular profile of endothelial cells: functional impact on the blood barrier and macrophage behavior	Cellular and molecular life sciences: CMLS	10.1007/s00018-022-04178-5
Deshayes, Frederique; Fradet, Magali; Kaminski, Sandra; Viguier, Mireille; Fripiat, Jean-Pol; Ghislin, Stephanie	Link between the EZH2 noncanonical pathway and microtubule organization center polarization during early T lymphopoiesis	Scientific Reports	10.1038/s41598-022-07684-5
Velez-Aguilera, Griselda; Ossareh-Nazari, Batool; Van Hove, Lucie; Joly, Nicolas; Pintard, Lionel	Cortical microtubule pulling forces contribute to the union of the parental genomes in the <i>Caenorhabditis elegans</i> zygote	eLife	10.7554/eLife.75382
Gnan, Stefano; Matelot, Mélody; Weiman, Marion; Arnaiz, Olivier; Guérin, Frédéric; Sperling, Linda; Bétermier, Mireille; Thermes, Claude; Chen, Chun-Long; Duharcourt, Sandra	GC content, but not nucleosome positioning, directly contributes to intron splicing efficiency in <i>Paramecium</i>	Genome Research	10.1101/gr.276125.121
Nunes Vicente, Filipe; Lelek, Mickael; Tinevez, Jean-Yves; Tran, Quang D.; Pehau-Arnaudet, Gerard; Zimmer, Christophe; Etienne-Manneville, Sandrine; Giannone, Gregory; Leduc, Cécile	Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging	Science Advances	10.1126/sciadv.abm2696
Saroja; Davie, Kristofer; Gardeux, Vincent; Saelens, Wouter; David, Fabrice P. A.; Brbić, Maria; Spanier, Katina; Leskovec, Jure; McLaughlin, Colleen N.; Xie, Qijing; Jones, Robert C.; Brueckner, Katja; Shim, Jiwon; Tattikota, Sudhir Gopal; Schnorrer, Frank; Rust, Katja; Nystul, Todd G.; Carvalho-Santos, Zita; Ribeiro, Carlos; Pal, Soumitra; Mahadevaraju, Sharvani; Przytycka, Teresa M.; Allen, Aaron M.; Goodwin, Stephen F.; Berry, Cameron W.; Fuller, Margaret T.; White-Cooper, Helen; Matunis, Erika L.; DiNardo, Stephen; Galenza, Anthony; O'Brien, Lucy Erin; Dow, Julian A. T.; FCA Consortium; Jasper, Heinrich; Oliver, Brian; Perrimon, Norbert; Deplancke, Bart; Quake, Stephen R.; Luo, Liqun; Aerts, Stein; Agarwal, Devika; Ahmed-Braimah, Yasir; Arbeitman, Michelle; Ariss, Majd M.; Augsburg, Jordan; Ayush, Kumar; Baker, Catherine C.; Banisch, Torsten; Birker, Katja; Bodmer, Rolf; Bolival, Benjamin; Brantley, Susanna E.; Brill, Julie A.; Brown, Nora C.; Buehner, Norene A.; Cai, Xiaoyu Tracy; Cardoso-Figueiredo, Rita; Casares, Fernando; Chang, Amy; Clandinin, Thomas R.; Crasta, Sheela; Desplan, Claude; Detweiler, Angela M.; Dhakan, Darshan B.; Donà, Erika; Engert, Stefanie; Floc'hlay, Swann; George, Nancy; González-Segarra, Amanda J.; Groves, Andrew K.; Gumbin,	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly	Science (New York, N.Y.)	10.1126/science.abk2432
da Silva, Camila Fonseca Amorim; Uzonyi, Anna; Cusimano, Joseph Michael; Nilsson, Thomy; Konstantinides, Nikos; Oda, Fernanda; Al Harraq, Ahmed; Beardsley, Felicia; Heim, Ashley Barbara; Jiang, Jiazhen; Buhle, E. Loren; Burnette, Katie	A pandemic education	Science (New York, N.Y.)	10.1126/science.abo5791

Konstantinides, Nikolaos; Holguera, Isabel; Rossi, Anthony M.; Escobar, Aristides; Dudragne, Liébaud; Chen, Yen-Chung; Tran, Thinh N.; Martínez Jaimes, Azalia M.; Özel, Mehmet Neset; Simon, Félix; Shao, Zhiping; Tsankova, Nadejda M.; Fullard, John F.; Walldorf, Uwe; Roussos, Panos; Desplan, Claude	A complete temporal transcription factor series in the fly visual system	Nature	10.1038/s41586-022-04564-w
Vervoort, Michel; Gazave, Eve	Studying Annelida Regeneration Using <i>Platynereis dumerilii</i>	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2172-1_11
Roberto, Nicole; Becam, Isabelle; Plessis, Anne; Holmgren, Robert A.	Engrailed, Suppressor of fused and Roadkill modulate the <i>Drosophila</i> GLI transcription factor <i>Cubitus interruptus</i> at multiple levels	Development (Cambridge, England)	10.1242/dev.200159
Veitia, Reiner A.	Who ever thought genetic mutations were random?	Trends in Plant Science	10.1016/j.tplants.2022.03.003
Gaudin, Noémie; Martin Gil, Paula; Boumendjel, Meriem; Ershov, Dmitry; Pioche-Durieu, Catherine; Bouix, Manon; Delobelle, Quentin; Maniscalco, Lucia; Phan, Than Bich Ngan; Heyer, Vincent; Reina-San-Martin, Bernardo; Azimzadeh, Juliette	Evolutionary conservation of centriole rotational asymmetry in the human centrosome	eLife	10.7554/eLife.72382
Chen, Jennifer S.; Huang, Chih Ying; Lanke, Shantanu; Fernandopulle, Michael Sanjay; Ji, Yongsheng; Zhi, Yuan; Rodríguez, Sara Granado; Frommel, Andrea Y.; Lukačičin, Martin; Zhang, Yida; Zdenek, Christina N.; Wu, Xiao-Yu; Seenuvasaragavan, Senthilkumar; Zhuang, Yan; Bergh, Cathrine; Coulbois, Jaime; Salloum-Asfar, Salam; Cao, Bo; Davis, Katherine; Oda, Fernanda; Konstantinides, Nikos; Zhang, Liping; Name withheld; Agarwal, Divyansh; Rainaldi, Joseph Nicholas; Kadlec, Jan; Vekeman, Jelle; Kanigicherla, Vishal Anirudh; Oi, Kathryn; Isaacson, Kyle J.; Ganji, Rakesh; Dawson-Glass, Emma	Rules all PIs should follow	Science (New York, N.Y.)	10.1126/science.abp9887
Makamte, Staëlle; Thureau, Aurélien; Jabrani, Amira; Paquelin, Annick; Plessis, Anne; Sanial, Matthieu; Rudenko, Olga; Oteri, Francesco; Baaden, Marc; Biou, Valérie	A large disordered region confers a wide spanning volume to vertebrate Suppressor of Fused as shown in a trans-species solution study	Journal of Structural Biology	10.1016/j.jsb.2022.107853
Chen, Yen-Chung; Konstantinides, Nikolaos	Integration of Spatial and Temporal Patterning in the Invertebrate and Vertebrate Nervous System	Frontiers in Neuroscience	10.3389/fnins.2022.854422
Flom, Haley; Adamska, Maja; Lami, Raphaël; Gazave, Eve; D'Aniello, Salvatore; Schierwater, Bernd; Boutet, Agnès	Digital Marine: An online platform for blended learning in a marine experimental biology module, the Schmid Training Course	BioEssays: News and Reviews in Molecular, Cellular and Developmental Biology	10.1002/bies.202100264
Fardin, Marc A.; Hautefeuille, Mathieu; Sharma, Vivek	Spreading, pinching, and coalescence: the Ohnesorge units	Soft Matter	10.1039/d2sm00069e
Macaisne, Nicolas; Touzon, Maria Sol; Rajkovic, Aleksander; Yanowitz, Judith L.	Modeling primary ovarian insufficiency-associated loci in <i>C. elegans</i> identifies novel pathogenic allele of MSH5	Journal of Assisted Reproduction and Genetics	10.1007/s10815-022-02494-0
Simon, Gaël; Plouhinec, Jean-Louis; Sorre, Benoit	Differentiation of EpiLCs on Micropatterned Substrates Generated by Micro-Contact Printing	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2281-0_18
Sénécaut, Nicolas; Poulain, Pierre; Lignières, Laurent; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Camadro, Jean-Michel	Quantitative Proteomics in Yeast : From bSLIM and Proteome Discoverer Outputs to Graphical Assessment of the Significance of Protein Quantification Scores	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2257-5_16
Kouranti, Ilektra; Abdel Khalek, Waed; Mazurkiewicz, Stephani; Loisel-Ferreira, Irmine; Gautreau, Alexis M.; Pintard, Lionel; Jeunemaitre, Xavier; Clauser, Eric	Cullin 3 Exon 9 Deletion in Familial Hyperkalemic Hypertension Impairs Cullin3-Ring-E3 Ligase (CRL3) Dynamic Regulation and Cycling	International Journal of Molecular Sciences	10.3390/ijms23095151
Darnat, Pénélope; Burg, Angélique; Sallé, Jérémy; Lacoste, Jérôme; Louvet-Vallée, Sophie; Gho, Michel; Audibert, Agnès	Cortical Cyclin A controls spindle orientation during asymmetric cell divisions in <i>Drosophila</i>	Nature Communications	10.1038/s41467-022-30182-1
Villa, Tommaso; Porrua, Odil	Pervasive transcription: a controlled risk	The FEBS journal	10.1111/febs.16530

Miró-Pina, Caridad; Charmant, Olivia; Kawaguchi, Takayuki; Holoch, Daniel; Michaud, Audrey; Cohen, Isadora; Humbert, Adeline; Jaszczyszyn, Yan; Chevreux, Guillaume; Del Maestro, Laurence; Ait-Si-Ali, Slimane; Arnaiz, Olivier; Margueron, Raphaël; Duharcourt, Sandra	Paramecium Polycomb repressive complex 2 physically interacts with the small RNA-binding PIWI protein to repress transposable elements	Developmental Cell	10.1016/j.devcel.2022.03.014
Pillan, Anaïs; Tavernier, Nicolas; Pintard, Lionel	[The kiss of life: Aurora A embraces the phosphate of its cofactor Bora to trigger mitotic entry]	Medecine Sciences: M/S	10.1051/medsci/2022033
Challal, Drice; Colin, Jessie; Villa, Tommaso; Libri, Domenico	A Modified Cross-Linking Analysis of cDNAs (CRAC) Protocol for Detecting RNA-Protein Interactions and Transcription at Single-Nucleotide Resolution	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2257-5_3
Goud, Bruno; Azimzadeh, Juliette; Delgehr, Nathalie; Piel, Matthieu; Thery, Manuel	Homage to Michel Bornens, who passed away on March 9, 2022 at the age of 84	EMBO reports	10.15252/embr.202255237
Franca, Monica M.; Condezo, Yazmine B.; Elzaiat, Maëva; Felipe-Medina, Natalia; Sánchez-Sáez, Fernando; Muñoz, Sergio; Sainz-Urruela, Raquel; Martín-Hervás, M. Rosario; García-Valiente, Rodrigo; Sánchez-Martín, Manuel A.; Astudillo, Aurora; Mendez, Juan; Llano, Elena; Veitia, Reiner A.; Mendonca, Berenice B.; Pendás, Alberto M.	A truncating variant of RAD51B associated with primary ovarian insufficiency provides insights into its meiotic and somatic functions	Cell Death and Differentiation	10.1038/s41418-022-01021-z
Lefèvre, Bénédicte M.; Mienanzambi, Stecy; Lang, Michael	Developmental timing of Drosophila pachea pupae is robust to temperature changes	Journal of Thermal Biology	10.1016/j.jtherbio.2022.103232
Zaaboub, Rim; Vimeux, Lene; Contremoulins, Vincent; Cymbalista, Florence; Lévy, Vincent; Donnadiou, Emmanuel; Varin-Blank, Nadine; Martin, Antoine; Dondi, Elisabetta	Nurselike cells sequester B cells in disorganized lymph nodes in chronic lymphocytic leukemia via alternative production of CCL21	Blood Advances	10.1182/bloodadvances.2021006169
Wioland, Hugo; Ghasemi, Foad; Chikireddy, Jahnavi; Romet-Lemonne, Guillaume; Jégou, Antoine	Using Microfluidics and Fluorescence Microscopy to Study the Assembly Dynamics of Single Actin Filaments and Bundles	Journal of Visualized Experiments: JoVE	10.3791/63891
Manceau, Line; Richard Albert, Julien; Lollini, Pier-Luigi; Greenberg, Maxim V. C.; Gilardi-Hebenstreit, Pascale; Ribes, Vanessa	Divergent transcriptional and transforming properties of PAX3-FOXO1 and PAX7-FOXO1 paralogs	PLoS genetics	10.1371/journal.pgen.1009782
Kitano, Jun; Ishikawa, Asano; Ravinet, Mark; Courtier-Orgogozo, Virginie	Genetic basis of speciation and adaptation: from loci to causative mutations	Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences	10.1098/rstb.2020.0503
Letort, Gaele; Eichmuller, Adrien; Da Silva, Christelle; Nikalayevich, Elvira; Crozet, Flora; Salle, Jeremy; Minc, Nicolas; Labrune, Elsa; Wolf, Jean-Philippe; Terret, Marie-Emilie; Verlhac, Marie-Hélène	An interpretable and versatile machine learning approach for oocyte phenotyping	Journal of Cell Science	10.1242/jcs.260281
Portet, Stéphanie; Etienne-Manneville, Sandrine; Leduc, Cécile; Dallon, J. C.	Impact of noise on the regulation of intracellular transport of intermediate filaments	Journal of Theoretical Biology	10.1016/j.jtbi.2022.111183
Bissardon, Caroline; Isaure, Marie-Pierre; Lesuisse, Emmanuel; Rovezzi, Mauro; Lahera, Eric; Proux, Olivier; Bohic, Sylvain	Biological Samples Preparation for Speciation at Cryogenic Temperature using High-Resolution X-Ray Absorption Spectroscopy	Journal of Visualized Experiments: JoVE	10.3791/60849
Kotila, Tommi; Wioland, Hugo; Selvaraj, Muniyandi; Kogan, Konstantin; Antenucci, Lina; Jégou, Antoine; Huiskonen, Juha T.; Romet-Lemonne, Guillaume; Lappalainen, Pekka	Structural basis of rapid actin dynamics in the evolutionarily divergent Leishmania parasite	Nature Communications	10.1038/s41467-022-31068-y
Jasnin, Marion; Hervy, Jordan; Balor, Stéphanie; Bouissou, Anaïs; Proag, Amscha; Voituriez, Raphaël; Schneider, Jonathan; Mangeat, Thomas; Maridonneau-Parini, Isabelle; Baumeister, Wolfgang; Dmitrieff, Serge; Poincloux, Renaud	Elasticity of podosome actin networks produces nanonewton protrusive forces	Nature Communications	10.1038/s41467-022-30652-6
Poulain, Pierre; Camadro, Jean-Michel	AutoClassWeb: a simple web interface for Bayesian clustering of omics data	BMC research notes	10.1186/s13104-022-06129-6

Sipieter, François; Laurent, Louis; Girard, Philippe P.; Borghi, Nicolas	Molecular tension microscopy of the LINC complex in live cells	STAR protocols	10.1016/j.xpro.2022.101538
Plouhinec, Jean-Louis; Simon, Gaël; Vieira, Mathieu; Collignon, Jérôme; Sorre, Benoit	Dissecting signaling hierarchies in the patterning of the mouse primitive streak using micropatterned EpiLC colonies	Stem Cell Reports	10.1016/j.stemcr.2022.05.009
Fernandes, Priyanka; Loubens, Manon; Le Borgne, Rémi; Marinach, Carine; Ardin, Béatrice; Briquet, Sylvie; Vincensini, Laetitia; Hamada, Soumia; Hoareau-Coudert, Bénédicte; Verbavatz, Jean-Marc; Weiner, Allon; Silvie, Olivier	The AMA1-RON complex drives Plasmodium sporozoite invasion in the mosquito and mammalian hosts	PLoS pathogens	10.1371/journal.ppat.1010643
Courtier-Orgogozo, Virginie; de Ribera, Francisco A.	SARS-CoV-2 infection at the Huanan seafood market	Environmental Research	10.1016/j.envres.2022.113702
Lachat, Joy; Pascault, Alice; Thibaut, Delphine; Le Borgne, Rémi; Verbavatz, Jean-Marc; Weiner, Allon	Trans-cellular tunnels induced by the fungal pathogen Candida albicans facilitate invasion through successive epithelial cells without host damage	Nature Communications	10.1038/s41467-022-31237-z
Bruno, Antonia; Agostinetti, Giulia; Fumagalli, Sara; Ghisleni, Giulia; Sandionigi, Anna	It's a Long Way to the Tap: Microbiome and DNA-Based Omics at the Core of Drinking Water Quality	International Journal of Environmental Research and Public Health	10.3390/ijerph19137940
Liu, Rongxing; Zhang, Wenchao; Gou, Panhong; Berthelet, Jérémy; Nian, Qing; Chevreux, Guillaume; Legros, Véronique; Moroy, Gautier; Bui, Linh-Chi; Wang, Li; Dupret, Jean-Marie; Deshayes, Frédérique; Rodrigues Lima, Fernando	Cisplatin causes covalent inhibition of protein-tyrosine phosphatase 1B (PTP1B) through reaction with its active site cysteine: Molecular, cellular and in vivo mice studies	Biomedicine & Pharmacotherapy = Biomedecine & Pharmacotherapie	10.1016/j.biopha.2022.113372
Xie, Jing; Najafi, Javad; Le Borgne, Rémi; Verbavatz, Jean-Marc; Durieu, Catherine; Sallé, Jeremy; Minc, Nicolas	Contribution of cytoplasm viscoelastic properties to mitotic spindle positioning	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.2115593119
Manceau, Line; Richard Albert, Julien; Lollini, Pier-Luigi; Greenberg, Maxim V. C.; Gilardi-Hebenstreit, Pascale; Ribes, Vanessa	Divergent transcriptional and transforming properties of PAX3-FOXO1 and PAX7-FOXO1 paralogs	PLoS genetics	10.1371/journal.pgen.1009782
Aiello, Umberto; Challal, Drice; Wentzinger, Griselda; Lengronne, Armelle; Appanah, Rowin; Pasero, Philippe; Palancade, Benoit; Libri, Domenico	Sen1 is a key regulator of transcription-driven conflicts	Molecular Cell	10.1016/j.molcel.2022.06.021
Sénécaut, Nicolas; Poulain, Pierre; Lignières, Laurent; Terrier, Samuel; Legros, Véronique; Chevreux, Guillaume; Lelandais, Gaëlle; Camadro, Jean-Michel	Quantitative Proteomics in Yeast : From bSLIM and Proteome Discoverer Outputs to Graphical Assessment of the Significance of Protein Quantification Scores	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-2257-5_16
Liu, Dan; Marie, Jean-Claude; Pelletier, Anne-Laure; Song, Zhuoyao; Ben-Khemis, Marwa; Boudiaf, Kaouthar; Pintard, Coralie; Leger, Thibaut; Terrier, Samuel; Chevreux, Guillaume; El-Benna, Jamel; Dang, Pham My-Chan	Protein Kinase CK2 Acts as a Molecular Brake to Control NADPH Oxidase 1 Activation and Colon Inflammation	Cellular and Molecular Gastroenterology and Hepatology	10.1016/j.jcmgh.2022.01.003
Tandonnet, Sophie; Haq, Maairah; Turner, Anisa; Grana, Theresa; Paganopoulou, Panagiota; Adams, Sally; Dhawan, Sandhya; Kanzaki, Natsumi; Nuez, Isabelle; Félix, Marie-Anne; Pires-daSilva, André	De Novo Genome Assembly of Auanema Melissensis, a Trioecious Free-Living Nematode	Journal of Nematology	10.2478/jofnem-2022-0059
d'Alessandro, Joseph; Barbier-Chebbah, Alex; Voituriez, Raphaël; Ladoux, Benoît	[Cells as « Tom Thumbs » of living tissues]	Medecine Sciences: M/S	10.1051/medsci/2022138
Nedara, Kenza; Reinhardt, Camille; Lebraud, Emilie; Arena, Giuseppe; Gracia, Céline; Buard, Valérie; Pioche-Durieu, Catherine; Castelli, Florence; Colsch, Benoit; Bénit, Paule; Rustin, Pierre; Albaud, Benoit; Gestraud, Pierre; Baulande, Sylvain; Servant, Nicolas; Deutsch, Eric; Verbavatz, Jean-Marc; Brenner, Catherine; Milliat, Fabien; Modjtahedi, Nazanine	Relevance of the TRIAP1/p53 axis in colon cancer cell proliferation and adaptation to glutamine deprivation	Frontiers in Oncology	10.3389/fonc.2022.958155

de Thonel, Aurélie; Ahlskog, Johanna K.; Daupin, Kevin; Dubreuil, Véronique; Berthelet, Jérémy; Chaput, Carole; Pires, Geoffrey; Leonetti, Camille; Abane, Ryma; Barris, Lluís Cordón; Leray, Isabelle; Aalto, Anna L.; Nacéri, Sarah; Cordonnier, Marine; Benasolo, Carène; Sanial, Matthieu; Duchateau, Agathe; Vihervaara, Anniina; Puustinen, Mikael C.; Miozzo, Federico; Fergelot, Patricia; Lebigot, Élise; Verloes, Alain; Gressens, Pierre; Lacombe, Didier; Gobbo, Jessica; Garrido, Carmen; Westerheide, Sandy D.; David, Laurent; Petitjean, Michel; Taboureau, Olivier; Rodrigues-Lima, Fernando; Passemard, Sandrine; Sabéran-Djoneidi, Délara; Nguyen, Laurent; Lancaster, Madeline; Sistonen, Lea; Mezger, Valérie	CBP-HSF2 structural and functional interplay in Rubinstein-Taybi neurodevelopmental disorder	Nature Communications	10.1038/s41467-022-34476-2
Rubin, Thomas; Macaisne, Nicolas; Vallés, Ana Maria; Guilleman, Clara; Gangué, Isabelle; Dal Toe, Laurine; Huynh, Jean-René	Premeiotic pairing of homologous chromosomes during <i>Drosophila</i> male meiosis	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.2207660119
Wassmann, Katja	Separase Control and Cohesin Cleavage in Oocytes: Should I Stay or Should I Go?	Cells	10.3390/cells11213399
Municio-Diaz, Celia; Muller, Elise; Drevensek, Stéphanie; Fruleux, Antoine; Lorenzetti, Enrico; Boudaoud, Arezki; Minc, Nicolas	Mechanobiology of the cell wall - insights from tip-growing plant and fungal cells	Journal of Cell Science	10.1242/jcs.259208
Khosravanizadeh, Amir; Sens, Pierre; Mohammad-Rafiee, Farshid	Role of particle local curvature in cellular wrapping	Journal of the Royal Society, Interface	10.1098/rsif.2022.0462
Matabishi-Bibi, Laura; Challal, Drice; Barucco, Mara; Libri, Domenico; Babour, Anna	Termination of the unfolded protein response is guided by ER stress-induced HAC1 mRNA nuclear retention	Nature Communications	10.1038/s41467-022-34133-8
Hashimoto, Hideharu; Ramirez, Daniel H.; Lautier, Ophélie; Pawlak, Natalie; Blobel, Günter; Palancade, Benoît; Debler, Erik W.	Structure of the pre-mRNA leakage 39-kDa protein reveals a single domain of integrated zf-C3HC and Rsm1 modules	Scientific Reports	10.1038/s41598-022-22183-3
Petracchini, Serena; Hamaoui, Daniel; Doye, Anne; Asnacios, Atef; Fage, Florian; Vitiello, Elisa; Balland, Martial; Janel, Sebastien; Lafont, Frank; Gupta, Mukund; Ladoux, Benoit; Gilleron, Jérôme; Maia, Teresa M.; Impens, Francis; Gagnoux-Palacios, Laurent; Daugaard, Mads; Sorensen, Poul H.; Lemichez, Emmanuel; Mettouchi, Amel	Optineurin links Hace1-dependent Rac ubiquitylation to integrin-mediated mechanotransduction to control bacterial invasion and cell division	Nature Communications	10.1038/s41467-022-33803-x
Gallo, Giulia; Kotlik, Petr; Roingeard, Philippe; Monot, Marc; Chevreux, Guillaume; Ulrich, Rainer G.; Tordo, Noël; Ermonval, Myriam	Diverse susceptibilities and responses of human and rodent cells to orthohantavirus infection reveal different levels of cellular restriction	PLoS neglected tropical diseases	10.1371/journal.pntd.0010844
Dallon, J. C.; Leduc, Cécile; Grant, Christopher P.; Evans, Emily J.; Etienne-Manneville, Sandrine; Portet, Stéphanie	Using Fluorescence Recovery After Photobleaching data to uncover filament dynamics	PLoS computational biology	10.1371/journal.pcbi.1010573
Monteiro-Cardoso, Vera F.; Rochin, Leila; Arora, Amita; Houcine, Audrey; Jääskeläinen, Eeva; Kivelä, Annukka M.; Sauvanet, Cécile; Le Bars, Romain; Marien, Eyra; Dehairs, Jonas; Neveu, Julie; El Khallouki, Naima; Santonico, Elena; Swinnen, Johannes V.; Taresté, David; Olkkonen, Vesa M.; Giordano, Francesca	ORP5/8 and MIB/MICOS link ER-mitochondria and intra-mitochondrial contacts for non-vesicular transport of phosphatidylserine	Cell Reports	10.1016/j.celrep.2022.111364
Bouglita, Wafa; Rabhi, Sameh; Raich, Natacha; Bouabid, Cyrine; Belghith, Cyrine; Slimani, Olfa; Hkimi, Chaima; Ghedira, Kais; Karess, Roger E.; Guizani-Tabbane, Lamia; Attia, Leila; Rabhi, Imen	Microbiological and molecular screening of <i>Candida</i> spp. isolated from genital tract of asymptomatic pregnant women	Journal of Medical Microbiology	10.1099/jmm.0.001589

Laporte, Marine H.; Bouhlel, Imène B.; Bertiaux, Eloïse; Morrison, Ciaran G.; Giroud, Alexia; Borgers, Susanne; Azimzadeh, Juliette; Bornens, Michel; Guichard, Paul; Paoletti, Anne; Hamel, Virginie	Human SFI1 and Centrin form a complex critical for centriole architecture and ciliogenesis	The EMBO journal	10.15252/embj.2022112107
Glentis, Alexandros; Blanch-Mercader, Carles; Balasubramaniam, Lakshmi; Saw, Thuan Beng; d'Alessandro, Joseph; Janel, Sebastien; Douanier, Audrey; Delaval, Benedicte; Lafont, Frank; Lim, Chwee Teck; Delacour, Delphine; Prost, Jacques; Xi, Wang; Ladoux, Benoit	The emergence of spontaneous coordinated epithelial rotation on cylindrical curved surfaces	Science Advances	10.1126/sciadv.abn5406
Gonçalves Antunes, Marina; Sanial, Matthieu; Contremoulins, Vincent; Carvalho, Sandra; Plessis, Anne; Becam, Isabelle	High hedgehog signaling is transduced by a multikinase-dependent switch controlling the apico-basal distribution of the GPCR smoothed	eLife	10.7554/eLife.79843
Girbig, Mathias; Xie, Juanjuan; Grötsch, Helga; Libri, Domenico; Porrua, Odil; Müller, Christoph W.	Architecture of the yeast Pol III pre-termination complex and pausing mechanism on poly(dT) termination signals	Cell Reports	10.1016/j.celrep.2022.111316
Kazamia, Elena; Mach, Jan; McQuaid, Jeffrey B.; Gao, Xia; Coale, Tyler H.; Malych, Ronald; Camadro, Jean-Michel; Lesuisse, Emmanuel; Allen, Andrew E.; Bowler, Chris; Sutak, Robert	In vivo localization of iron starvation induced proteins under variable iron supplementation regimes in <i>Phaeodactylum tricornutum</i>	Plant Direct	10.1002/pld3.472
Vijendravarma, Roshan Kumar	Diverse strategies that animals use to deter intraspecific predation	Journal of Evolutionary Biology	10.1111/jeb.14129
van Gammeren, Sanne; Lang, Michael; Rücklin, Martin; Schilthuizen, Menno	No evidence for asymmetric sperm deposition in a species with asymmetric male genitalia	PeerJ	10.7717/peerj.14225
Kabla, Alexandre; Ladoux, Benoît; Di Meglio, Jean-Marc	Tissue mechanics	The European Physical Journal. E, Soft Matter	10.1140/epje/s10189-022-00240-z
Hatem, Elie; El Banna, Nadine; Heneman-Masurel, Amélie; Baille, Dorothée; Vernis, Laurence; Riquier, Sylvie; Golinelli-Cohen, Marie-Pierre; Guittet, Olivier; Vallières, Cindy; Camadro, Jean-Michel; Qiu, Xue; Hildebrandt, Niko; Lepoivre, Michel; Huang, Meng-Er	Novel Insights into Redox-Based Mechanisms for Auranofin-Induced Rapid Cancer Cell Death	Cancers	10.3390/cancers14194864
Donker, Lisa; Houtekamer, Ronja; Vliem, Marjolein; Sipieter, François; Canever, Helena; Gómez-González, Manuel; Bosch-Padrós, Miquel; Pannekoek, Willem-Jan; Trepas, Xavier; Borghi, Nicolas; Gloerich, Martijn	A mechanical G2 checkpoint controls epithelial cell division through E-cadherin-mediated regulation of Wee1-Cdk1	Cell Reports	10.1016/j.celrep.2022.111475
Lassagne, Alexandre; Brun, Sylvain; Malagnac, Fabienne; Adreit, Henri; Milazzo, Joëlle; Fournier, Elisabeth; Tharreau, Didier	Male fertility in <i>Pyricularia oryzae</i> : Microconidia are spermatia	Environmental Microbiology	10.1111/1462-2920.16226
Gautier, Benoit; Meneux, Léna; Feret, Nadège; Audrain, Christine; Hudecek, Laetitia; Kuony, Alison; Bourdon, Audrey; Le Guiner, Caroline; Blouin, Véronique; Delettre, Cécile; Michon, Frédéric	AAV2/9-mediated gene transfer into murine lacrimal gland leads to a long-term targeted tear film modification	Molecular Therapy. Methods & Clinical Development	10.1016/j.omtm.2022.08.006
Lebdy, Rana; Canut, Marine; Patouillard, Julie; Cadoret, Jean-Charles; Letessier, Anne; Ammar, Josiane; Basbous, Jihane; Urbach, Serge; Miotto, Benoit; Constantinou, Angelos; Merhi, Raghida Abou; Ribeyre, Cyril	GNL3 regulates replication origin firing and protects stalled replication forks		10.1101/2022.10.27.514025
Kim, Su-Jung; Maric, Chrystelle; Briu, Lina-Marie; Fauchereau, Fabien; Baldacci, Giuseppe; Debatisse, Michelle; Koundrioukoff, Stéphane; Cadoret, Jean-Charles	Palbociclib interferes with replication origin firing in a pRb independent manner		10.1101/2022.09.21.508850
Adam, Yazid; Brezellec, Pierre; Espinosa, Elena; Besombes, Amelie; Naquin, Delphine; Paly, Evelyne; Possoz, Christophe; van Dijk, Erwin; Barre, Francois-Xavier; Ferat, Jean-Luc	<i>Plesiomonas shigelloides</i> , an Atypical Enterobacteriales with a Vibrio-Related Secondary Chromosome	Genome Biology and Evolution	10.1093/gbe/evac011

Lebdy, Rana; Canut, Marine; Patouillard, Julie; Cadoret, Jean-Charles; Letessier, Anne; Ammar, Josiane; Basbous, Jihane; Urbach, Serge; Miotto, Benoit; Constantinou, Angelos; Merhi, Raghida Abou; Ribeyre, Cyril	GNL3 regulates replication origin firing and protects stalled replication forks		10.1101/2022.10.27.514025
Elkin, Joel; Martin, Arnaud; Courtier-Orgogozo, Virginie; Santos, M. Emília	Meta-analysis of the genetic loci of pigment pattern evolution in vertebrates		10.1101/2022.01.01.474697
Kitano, Jun; Ishikawa, Asano; Ravinet, Mark; Courtier-Orgogozo, Virginie	Genetic basis of speciation and adaptation: from loci to causative mutations	Philosophical Transactions of the Royal Society B: Biological Sciences	10.1098/rstb.2020.0503
Gammeren, Sanne van; Lang, Michael; Rücklin, Martin; Schilthuizen, Menno	No evidence for asymmetric sperm deposition in a species with asymmetric male genitalia		10.1101/2022.03.19.485007
Courtier-Orgogozo, Virginie; de Ribera, Francisco A.	SARS-CoV-2 infection at the Huanan seafood market	Environmental Research	10.1016/j.envres.2022.113702
Monier, Manon; Courtier-Orgogozo, Virginie	Drosophila Glue: A Promising Model for Bioadhesion	Insects	10.3390/insects13080734
Lefèvre, Bénédicte M.; Delvigne, Marine; Vidal, Josué; Courtier-Orgogozo, Virginie; Lang, Michael	A novel mechanism for left-right asymmetry establishment involving tissue remodeling and MyoID		10.1101/2022.01.16.476383
Bouglita, Wafa; Rabhi, Sameh; Raich, Natacha; Bouabid, Cyrine; Belghith, Cyrine; Slimani, Olfa; Hkimi, Chaima; Ghedira, Kais; Karess, Roger E.; Guizani-Tabbane, Lamia; Attia, Leila; Rabhi, Imen	Microbiological and molecular screening of Candida spp. isolated from genital tract of asymptomatic pregnant women	Journal of Medical Microbiology	10.1099/jmm.0.001589
Zhu, Zihan; Tovey, Corinne A.; Yen, Eugenie C.; Bernard, Fred; Guichet, Antoine; Conduit, Paul T.	Multifaceted modes of γ -tubulin complex recruitment and microtubule nucleation at mitotic centrosomes		10.1101/2022.09.23.509043
Kitano, Jun; Ishikawa, Asano; Ravinet, Mark; Courtier-Orgogozo, Virginie	Genetic basis of speciation and adaptation: from loci to causative mutations	Philosophical Transactions of the Royal Society B: Biological Sciences	10.1098/rstb.2020.0503
Liesau von Lettow-Vorbeck, Corina; Ríos Mendoza, Patricia; Miguel, Jorge; Blasco, Concepción; Menduïña, Roberto; Chorro, María; Cabrera Taravillo, Cristina; Geigl, Eva-Maria; Arteaga, Carlos	The Bovine Deposits from the Chalcolithic Ditched Enclosure of Camino de las Yeseras (Madrid, Spain)		
	Avant les chevaux, des hybrides d'ânes produits pour faire la guerre CNRS		
Lassagne, Alexandre; Brun, Sylvain; Malagnac, Fabienne; Adreit, Henri; Milazzo, Joëlle; Fournier, Elisabeth; Tharreau, Didier	Male fertility in <i>Pyricularia oryzae</i> : Microconidia are spermatia	Environmental Microbiology	10.1111/1462-2920.16226
Moreno-Roman, Paola; Su, Yu-Han; Galenza, Anthony; Acosta-Alvarez, Lehi; Debec, Alain; Guichet, Antoine; Knapp, Jon-Michael; Kizilyaprak, Caroline; Humbel, Bruno M.; Kolotuev, Irina; O'Brien, Lucy Erin	Progenitor cell integration into a barrier epithelium during adult organ turnover		10.1101/2021.09.19.457819
Chen, Yen-Chung; Konstantinides, Nikolaos	Integration of Spatial and Temporal Patterning in the Invertebrate and Vertebrate Nervous System	Frontiers in Neuroscience	
Liu, XinYue; Tsubota, Keni-chi; Yu, Yi; Xi, Wang; Gong, XiaoBo	A numerical method to predict the membrane tension distribution of spreading cells based on the reconstruction of focal adhesions	Science China Physics, Mechanics & Astronomy	10.1007/s11433-021-1873-1

de Thonel, Aurélie; Ahlskog, Johanna K.; Daupin, Kevin; Dubreuil, Véronique; Berthelet, Jérémy; Chaput, Carole; Pires, Geoffrey; Leonetti, Camille; Abane, Ryma; Barris, Lluís Cordón; Leray, Isabelle; Aalto, Anna L.; Nacéri, Sarah; Cordonnier, Marine; Benasolo, Carène; Sanial, Matthieu; Duchateau, Agathe; Vihervaara, Anniina; Puustinen, Mikael C.; Miozzo, Federico; Fergelot, Patricia; Lebigot, Élise; Verloes, Alain; Gressens, Pierre; Lacombe, Didier; Gobbo, Jessica; Garrido, Carmen; Westerheide, Sandy D.; David, Laurent; Petitjean, Michel; Taboureau, Olivier; Rodrigues-Lima, Fernando; Passemard, Sandrine; Sabéran-Djoneidi, Délara; Nguyen, Laurent; Lancaster, Madeline; Sistonen, Lea; Mezger, Valérie	CBP-HSF2 structural and functional interplay in Rubinstein-Taybi neurodevelopmental disorder	Nature Communications	10.1038/s41467-022-34476-2
Makamte, Staëlle; Thureau, Aurélien; Jabrani, Amira; Paquelin, Annick; Plessis, Anne; Sanial, Matthieu; Rudenko, Olga; Oteri, Francesco; Baaden, Marc; Biou, Valérie	A large disordered region confers a wide spanning volume to vertebrate Suppressor of Fused as shown in a trans-species solution study	Journal of Structural Biology	10.1016/j.jsb.2022.107853
Gonçalves Antunes, Marina; Sanial, Matthieu; Contremoulins, Vincent; Carvalho, Sandra; Plessis, Anne; Becam, Isabelle	High hedgehog signaling is transduced by a multikinase-dependent switch controlling the apico-basal distribution of the GPCR smoothed	eLife	10.7554/eLife.79843
Jad, Saleh; Marc-Antoine, Fardin; Olivia, Frenoy; Matis, Soleilhac; Cécile, Gaston; Hongyue, Cui; Tien, Dang; Gaudin, Noémie; Audrey, Vincent; Nicolas, Minc; Delphine, Delacour	Length-limitation of astral microtubules orients cell divisions in intestinal crypts		10.1101/2022.09.02.506333
Poulet-Benedetti, Jérémy; Tonnerre-Doncarli, Caroline; Valton, Anne-Laure; Laurent, Marc; Gérard, Marie; Barinova, Natalja; Parisi, Nikolaos; Massip, Florian; Picard, Franck; Prioleau, Marie-Noëlle	Dimeric G-quadruplex motifs determine a large fraction of strong replication origins in vertebrates		10.1101/2022.08.17.504255
Morel, Camille; Lemerle, Eline; Tsai, Feng-Ching; Obadia, Thomas; Srivastava, Nishit; Marechal, Maud; Salles, Audrey; Albert, Marvin; Stefani, Caroline; Lamaze, Christophe; Vassilopoulos, Stéphane; Piel, Matthieu; Bassereau, Patricia; Gonzalez-Rodriguez, David; Leduc, Cécile; Lemichez, Emmanuel	Caveolae govern plasma membrane mechanics to protect cells against EDIN B-induced transcellular tunnel formation and lethality from <i>S. aureus</i> septicaemia		10.1101/2022.09.27.509635
Schahl, Adrien; Lagardere, Louis; Walker, Brandon; Ren, Pengyu; Jégou, Antoine; Chavent, Matthieu; Piquemal, Jean-Philip	β -actin plasticity is modulated by coordinated actions of histidine 73 methylation, nucleotide type, and ions		10.1101/2022.12.16.520803
Cao, Luyan; Ghasemi, Foad; Way, Michael; Jégou, Antoine; Romet-Lemonne, Guillaume	Nucleation and stability of branched versus linear Arp2/3-generated actin filaments		10.1101/2022.05.06.490861
Barakizou, Hager; Souha, Gannouni; Kamoun, Thouraya; Mehdi, Muhammed; Amary, Fernanda; Huma, Zilla; Todeschini, Anne-laure; Veitia, Reiner; Donaldson, Malcolm	Precocious Pseudo-puberty in a Two-year-old Girl, Presenting with Bilateral Ovarian Enlargement and Progressing to Unilateral Juvenile Granulosa Cell Tumour	Journal of Clinical Research in Pediatric Endocrinology	10.4274/jcrpe.galenos.2021.2021.0039
Wioland, Hugo; Frémont, Stéphane; Guichard, Bérengère; Echard, Arnaud; Jégou, Antoine; Romet-Lemonne, Guillaume	Actin filament oxidation by MICAL1 suppresses protections from cofilin-induced disassembly	EMBO reports	10.15252/embr.202050965
Canever, Helena; Carollo, Pietro Salvatore; Fleurisson, Romain; Girard, Philippe P.; Borghi, Nicolas	Molecular Tension Microscopy of E-Cadherin During Epithelial-Mesenchymal Transition	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-0779-4_22
Valon, Leo; de Beco, Simon	Control of Cell Migration Using Optogenetics	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-0779-4_29
Begley, Victoria; Jordán-Pla, Antonio; Peñate, Xenia; Garrido-Godino, Ana I.; Challal, Drice; Cuevas-Bermúdez, Abel; Mitjavila, Adrià; Barucco, Mara; Gutiérrez, Gabriel; Singh, Abhyudai; Alepuz, Paula; Navarro, Francisco; Libri, Domenico; Pérez-Ortín, José E.; Chávez, Sebastián	Xrn1 influence on gene transcription results from the combination of general effects on elongating RNA pol II and gene-specific chromatin configuration	RNA biology	10.1080/15476286.2020.1845504

Lenne, Pierre-François; Munro, Edwin; Heemskerk, Idse; Warmflash, Aryeh; Bocanegra-Moreno, Laura; Kishi, Kasumi; Kicheva, Anna; Long, Yuchen; Fruleux, Antoine; Boudaoud, Arezki; Saunders, Timothy E.; Caldarelli, Paolo; Michaut, Arthur; Gros, Jerome; Maroudas-Sacks, Yonit; Keren, Kinneret; Hannezo, Edouard; Gartner, Zev J.; Stormo, Benjamin; Gladfelter, Amy; Rodrigues, Alan; Shyer, Amy; Minc, Nicolas; Maître, Jean-Léon; Di Talia, Stefano; Khamaisi, Bassma; Sprinzak, David; Tlili, Sham	Roadmap for the multiscale coupling of biochemical and mechanical signals during development	Physical Biology	10.1088/1478-3975/abd0db
Forey, Romain; Barthe, Antoine; Tittel-Elmer, Mireille; Wery, Maxime; Barrault, Marie-Bénédicte; Ducrot, Cécile; Seeber, Andrew; Krietenstein, Nils; Szachnowski, Ugo; Skrzypczak, Magdalena; Ginalski, Krzysztof; Rowicka, Maga; Cobb, Jennifer A.; Rando, Oliver J.; Soutourina, Julie; Werner, Michel; Dubrana, Karine; Gasser, Susan M.; Morillon, Antonin; Pasero, Philippe; Lengronne, Armelle; Poli, Jérôme	A Role for the Mre11-Rad50-Xrs2 Complex in Gene Expression and Chromosome Organization	Molecular Cell	10.1016/j.molcel.2020.11.010
Herman, Laetitia; Todeschini, Anne-Laure; Veitia, Reiner A.	Forkhead Transcription Factors in Health and Disease	Trends in genetics: TIG	10.1016/j.tig.2020.11.003
Gallo, Giulia; Caignard, Grégory; Badonnel, Karine; Chevreux, Guillaume; Terrier, Samuel; Szemiel, Agnieszka; Roman-Sosa, Gleyder; Binder, Florian; Gu, Quan; Da Silva Filipe, Ana; Ulrich, Rainer G.; Kohl, Alain; Vitour, Damien; Tordo, Noël; Ermonval, Myriam	Interactions of Viral Proteins from Pathogenic and Low or Non-Pathogenic Orthohantaviruses with Human Type I Interferon Signaling	Viruses	10.3390/v13010140
Bideau, Loïc; Kerner, Pierre; Hui, Jerome; Vervoort, Michel; Gazave, Eve	Animal regeneration in the era of transcriptomics	Cellular and molecular life sciences: CMLS	10.1007/s00018-021-03760-7
Andric, Vedrana; Nevers, Alicia; Hazra, Ditipriya; Auxilien, Sylvie; Menant, Alexandra; Graille, Marc; Palancade, Benoit; Rougemaille, Mathieu	A scaffold lncRNA shapes the mitosis to meiosis switch	Nature Communications	10.1038/s41467-021-21032-7
Innan, Hideki; Vaiman, Daniel; Veitia, Reiner A.	Predictable increase in female reproductive window: A simple model connecting age of reproduction, menopause, and longevity	BioEssays: News and Reviews in Molecular, Cellular and Developmental Biology	10.1002/bies.202000233
Sénécaut, Nicolas; Alves, Gelio; Weisser, Hendrik; Lignières, Laurent; Terrier, Samuel; Yang-Crosson, Lilian; Poulain, Pierre; Lelandais, Gaëlle; Yu, Yi-Kuo; Camadro, Jean-Michel	Novel Insights into Quantitative Proteomics from an Innovative Bottom-Up Simple Light Isotope Metabolic (bSLIM) Labeling Data Processing Strategy	Journal of Proteome Research	10.1021/acs.jproteome.0c00478
Gobert, Anthony; Quan, Yifat; Arrivé, Mathilde; Waltz, Florent; Da Silva, Nathalie; Jomat, Lucile; Cohen, Mathias; Jupin, Isabelle; Giegé, Philippe	Towards plant resistance to viruses using protein-only RNase P	Nature Communications	10.1038/s41467-021-21338-6
Jégou, Antoine; Romet-Lemonne, Guillaume	Mechanically tuning actin filaments to modulate the action of actin-binding proteins	Current Opinion in Cell Biology	10.1016/j.ceb.2020.09.002
Azimzadeh, Juliette	Evolution of the centrosome, from the periphery to the center	Current Opinion in Structural Biology	10.1016/j.sbi.2020.10.020
Kahlhofer, Jennifer; Leon, Sebastien; Teis, David; Schmidt, Oliver	The α -arrestin family of ubiquitin ligase adaptors links metabolism with selective endocytosis	Biology of the Cell	10.1111/boc.202000137
Ribeiro-Parenti, Lara; Jarry, Anne-Charlotte; Cavin, Jean-Baptiste; Willemetz, Alexandra; Le Beyec, Johanne; Sannier, Aurélie; Benadda, Samira; Pelletier, Anne-Laure; Hourseau, Muriel; Léger, Thibaut; Morlet, Bastien; Couvelard, Anne; Anini, Younes; Msika, Simon; Marmuse, Jean-Pierre; Ledoux, Séverine; Le Gall, Maude; Bado, André	Bariatric surgery induces a new gastric mucosa phenotype with increased functional glucagon-like peptide-1 expressing cells	Nature Communications	10.1038/s41467-020-20301-1

Veitia, Reiner A.	A reply to: Longitudinal changes in the frequency of mosaic chromosome Y loss in peripheral blood cells of aging men varies profoundly between individuals	European journal of human genetics: EJHG	10.1038/s41431-020-00801-w
Veitia, Reiner A.	Clinical Genetics paving the way to the future	Clinical Genetics	10.1111/cge.13899
Atlas, Yoann; Gorin, Caroline; Novais, Anita; Marchand, Marion F.; Chatzopoulou, Eirini; Lesieur, Julie; Bascetin, Rumezsa; Binet-Moussy, Clément; Sadoine, Jeremy; Lesage, Matthieu; Opsal-Vital, Sibylle; Péault, Bruno; Monnot, Catherine; Poliard, Anne; Girard, Philippe; Germain, Stéphane; Chaussain, Catherine; Muller, Laurent	Microvascular maturation by mesenchymal stem cells in vitro improves blood perfusion in implanted tissue constructs	Biomaterials	10.1016/j.biomaterials.2020.120594
Le, Anh Phuong; Rupprecht, Jean-François; Mège, René-Marc; Toyama, Yusuke; Lim, Chwee Teck; Ladoux, Benoît	Adhesion-mediated heterogeneous actin organization governs apoptotic cell extrusion	Nature Communications	10.1038/s41467-020-20563-9
Hardy, Alexis; Matelot, Mélody; Touzeau, Amandine; Klopp, Christophe; Lopez-Roques, Céline; Duharcourt, Sandra; Defrance, Matthieu	DNAModAnnot: a R toolbox for DNA modification filtering and annotation	Bioinformatics (Oxford, England)	10.1093/bioinformatics/btab032
Hakala, Markku; Wioland, Hugo; Tolonen, Mari; Kotila, Tommi; Jegou, Antoine; Romet-Lemonne, Guillaume; Lappalainen, Pekka	Twinfilin uncaps filament barbed ends to promote turnover of lamellipodial actin networks	Nature Cell Biology	10.1038/s41556-020-00629-y
Ivashenka, Alena; Wunder, Christian; Chambon, Valerie; Sandhoff, Roger; Jennemann, Richard; Dransart, Estelle; Podsypanina, Katrina; Lombard, Bérangère; Loew, Damarys; Lamaze, Christophe; Poirier, Françoise; Gröne, Hermann-Josef; Johannes, Ludger; Shafaq-Zadah, Massiullah	Glycolipid-dependent and lectin-driven transcytosis in mouse enterocytes	Communications Biology	10.1038/s42003-021-01693-2
Lefèvre, Bénédicte M.; Catté, Diane; Courtier-Orgogozo, Virginie; Lang, Michael	Male genital lobe morphology affects the chance to copulate in <i>Drosophila pachea</i>	BMC ecology and evolution	10.1186/s12862-021-01759-z
Fokin, Artem I.; David, Violaine; Oguievetskaia, Ksenia; Derivery, Emmanuel; Stone, Caroline E.; Cao, Luyan; Rocques, Nathalie; Molinie, Nicolas; Henriot, Véronique; Aumont-Nicaise, Magali; Hinckelmann, Maria-Victoria; Saudou, Frédéric; Le Clainche, Christophe; Carter, Andrew P.; Romet-Lemonne, Guillaume; Gautreau, Alexis M.	The Arp1/11 minifilament of dynactin primes the endosomal Arp2/3 complex	Science Advances	10.1126/sciadv.abd5956
Briu, Lina-Marie; Maric, Chrystelle; Cadoret, Jean-Charles	Replication Stress, Genomic Instability, and Replication Timing: A Complex Relationship	International Journal of Molecular Sciences	10.3390/ijms22094764
Courtot, Lilas; Bournique, Elodie; Maric, Chrystelle; Guitton-Sert, Laure; Madrid-Mencía, Miguel; Pancaldi, Vera; Cadoret, Jean-Charles; Hoffmann, Jean-Sébastien; Bergoglio, Valérie	Low Replicative Stress Triggers Cell-Type Specific Inheritable Advanced Replication Timing	International Journal of Molecular Sciences	10.3390/ijms22094959
Olley, Gabrielle; Pradeepa, Madapura M.; Grimes, Graeme R.; Piquet, Sandra; Polo, Sophie E.; FitzPatrick, David R.; Bickmore, Wendy A.; Boumendil, Charlene	Cornelia de Lange syndrome-associated mutations cause a DNA damage signalling and repair defect	Nature Communications	10.1038/s41467-021-23500-6
Gonzalez-Estevez, Alba; Verrico, Annalisa; Orniacki, Clarisse; Reina-San-Martin, Bernardo; Doye, Valérie	Integrity of the short arm of the nuclear pore Y-complex is required for mouse embryonic stem cell growth and differentiation	Journal of Cell Science	10.1242/jcs.258340
Miserey-Lenkei, Stéphanie; Trajkovic, Katarina; D'Ambrosio, Juan Martín; Patel, Amanda J.; Čopič, Alenka; Mathur, Pallavi; Schauer, Kristine; Goud, Bruno; Albanèse, Véronique; Gautier, Romain; Subra, Melody; Kovacs, David; Barelli, Hélène; Antonny, Bruno	A comprehensive library of fluorescent constructs of SARS-CoV-2 proteins and their initial characterisation in different cell types	Biology of the Cell	10.1111/boc.202000158
Borne, Flora; Prigent, Stéphane R.; Molet, Mathieu; Courtier-Orgogozo, Virginie	<i>Drosophila</i> glue protects from predation	Proceedings. Biological Sciences	10.1098/rspb.2021.0088

Herman, Laetitia; Legois, Bérangère; Todeschini, Anne-Laure; Veitia, Reiner A.	Genomic exploration of the targets of FOXL2 and ESR2 unveils their implication in cell migration, invasion, and adhesion	FASEB journal: official publication of the Federation of American Societies for Experimental Biology	10.1096/fj.202002444R
Lemonnier, Tom; Daldello, Enrico Maria; Poulhe, Robert; Le, Tran; Miot, Marika; Lignières, Laurent; Jessus, Catherine; Dupré, Aude	The M-phase regulatory phosphatase PP2A-B55 δ opposes protein kinase A on Arpp19 to initiate meiotic division	Nature Communications	10.1038/s41467-021-22124-0
Mouilleau, Vincent; Vaslin, Célia; Robert, Rémi; Gribaudo, Simona; Nicolas, Nour; Jarrige, Margot; Terray, Angélique; Lesueur, Léa; Mathis, Mackenzie W.; Croft, Gist; Daynac, Mathieu; Rouiller-Fabre, Virginie; Wichterle, Hynek; Ribes, Vanessa; Martinat, Cécile; Nedelec, Stéphane	Dynamic extrinsic pacing of the HOX clock in human axial progenitors controls motor neuron subtype specification	Development (Cambridge, England)	10.1242/dev.194514
Roebroek, Thijs; Vandenberg, Wim; Sipieter, François; Hugelier, Siewert; Stove, Christophe; Zhang, Jin; Dedecker, Peter	Simultaneous readout of multiple FRET pairs using photochromism	Nature Communications	10.1038/s41467-021-22043-0
Balint, Brittany; Hergalant, Sébastien; Camadro, Jean-Michel; Blaise, Sébastien; Vanalderwiert, Laetitia; Lignières, Laurent; Guéant-Rodriguez, Rosa-Maria; Guéant, Jean-Louis	Fetal Programming by Methyl Donor Deficiency Produces Pathological Remodeling of the Ascending Aorta	Arteriosclerosis, Thrombosis, and Vascular Biology	10.1161/ATVBAHA.120.315587
Peluffo, Alexandre E.; Hamdani, Mehdi; Vargas-Valderrama, Alejandra; David, Jean R.; Mallard, François; Graner, François; Courtier-Orgogozo, Virginie	A morphological trait involved in reproductive isolation between <i>Drosophila</i> sister species is sensitive to temperature	Ecology and Evolution	10.1002/ece3.7580
Lautier, Ophélie; Penzo, Arianna; Rouvière, Jérôme O.; Chevreux, Guillaume; Collet, Louis; Loïodice, Isabelle; Taddei, Angela; Devaux, Frédéric; Collart, Martine A.; Palancade, Benoit	Co-translational assembly and localized translation of nucleoporins in nuclear pore complex biogenesis	Molecular Cell	10.1016/j.molcel.2021.03.030
Planques, Anabelle; Kerner, Pierre; Ferry, Laure; Grunau, Christoph; Gazave, Eve; Vervoort, Michel	DNA methylation atlas and machinery in the developing and regenerating annelid <i>Platynereis dumerilii</i>	BMC biology	10.1186/s12915-021-01074-5
Yun, Long; Wang, Wei; Li, Yingying; Xie, Mei; Chen, Ting; Hu, Chaoqun; Luo, Peng; Li, Daning	Potential application values of a marine red yeast, <i>Rhodospiridium sphaerocarpum</i> YLY01, in aquaculture and tail water treatment assessed by the removal of ammonia nitrogen, the inhibition to <i>Vibrio</i> spp., and nutrient composition	PloS One	10.1371/journal.pone.0246841
Bermúdez-Guzmán, Luis; Veitia, Reiner A.	Insights into the pathogenicity of missense variants in the forkhead domain of FOX proteins underlying Mendelian disorders	Human Genetics	10.1007/s00439-021-02267-2
Darrigrand, Romain; Pierson, Alison; Rouillon, Marine; Renko, Dolor; Boulpicante, Mathilde; Bouyssié, David; Mouton-Barbosa, Emmanuelle; Marcoux, Julien; Garcia, Camille; Ghosh, Michael; Alami, Mouad; Apcher, Sébastien	Isoginkgetin derivative IP2 enhances the adaptive immune response against tumor antigens	Communications Biology	10.1038/s42003-021-01801-2
Hakala, Markku; Wioland, Hugo; Tolonen, Mari; Kotila, Tommi; Jegou, Antoine; Romet-Lemonne, Guillaume; Lappalainen, Pekka	Publisher Correction: Twinfilin uncaps filament barbed ends to promote turnover of lamellipodial actin networks	Nature Cell Biology	10.1038/s41556-021-00651-8
Öz, Robin; Wang, Jing L.; Guerois, Raphael; Goyal, Gaurav; Kk, Sriram; Ropars, Virginie; Sharma, Rajhans; Koca, Firat; Charbonnier, Jean-Baptiste; Modesti, Mauro; Strick, Terence R.; Westerlund, Fredrik	Dynamics of Ku and bacterial non-homologous end-joining characterized using single DNA molecule analysis	Nucleic Acids Research	10.1093/nar/gkab083
Balasubramaniam, Lakshmi; Doostmohammadi, Amin; Saw, Thuan Beng; Narayana, Gautham Hari Narayana Sankara; Mueller, Romain; Dang, Tien; Thomas, Minnah; Gupta, Shafali; Sonam, Surabhi; Yap, Alpha S.; Toyama, Yusuke; Mège, René-Marc; Yeomans, Julia M.; Ladoux, Benoît	Investigating the nature of active forces in tissues reveals how contractile cells can form extensile monolayers	Nature Materials	10.1038/s41563-021-00919-2
Basquin, Cyril; Gaudin, Noémie; Azimzadeh, Juliette	Generating bilateral symmetry from asymmetrical components	Medecine Sciences: M/S	10.1051/medsci/2021004
Romet-Lemonne, Guillaume; Jégou, Antoine	The dynamic instability of actin filament barbed ends	The Journal of Cell Biology	10.1083/jcb.202102020

Tavernier, N.; Thomas, Y.; Vigneron, S.; Maisonneuve, P.; Orlicky, S.; Mader, P.; Regmi, S. G.; Van Hove, L.; Levinson, N. M.; Gasmi-Seabrook, G.; Joly, N.; Poteau, M.; Velez-Aguilera, G.; Gavet, O.; Castro, A.; Dasso, M.; Lorca, T.; Sicheri, F.; Pintard, L.	Bora phosphorylation substitutes in trans for T-loop phosphorylation in Aurora A to promote mitotic entry	Nature Communications	10.1038/s41467-021-21922-w
Aloui, Inès; Legros, Véronique; Giuliani, Alexandre; Buchmann, William	Ultraviolet Photoactivation Using Synchrotron Radiation for Tandem Mass Spectrometry of Polysiloxanes	Journal of the American Society for Mass Spectrometry	10.1021/jasms.0c00392
Balasubramaniam, Lakshmi; Doostmohammadi, Amin; Saw, Thuan Beng; Narayana, Gautham Hari Narayana Sankara; Mueller, Romain; Dang, Tien; Thomas, Minnah; Gupta, Shafali; Sonam, Surabhi; Yap, Alpha S.; Toyama, Yusuke; Mège, René-Marc; Yeomans, Julia M.; Ladoux, Benoît	Author Correction: Investigating the nature of active forces in tissues reveals how contractile cells can form extensile monolayers	Nature Materials	10.1038/s41563-021-00974-9
Andrade-Restrepo, Martin; Ciuperca, Ionel Sorin; Lemarre, Paul; Pujo-Menjouet, Laurent; Tine, Léon Matar	A reaction-diffusion model of spatial propagation of A[Formula: see text] oligomers in early stage Alzheimer's disease	Journal of Mathematical Biology	10.1007/s00285-021-01593-3
Ponsioen, Bas; Post, Jasmin B.; Buissant des Amorie, Julian R.; Laskaris, Dimitrios; van Ineveld, Ravian L.; Kersten, Simone; Bertotti, Andrea; Sassi, Francesco; Sipieter, François; Cappe, Benjamin; Mertens, Sander; Verlaan-Klink, Ingrid; Boj, Sylvia F.; Vries, Rob G. J.; Rehmann, Holger; Vandenabeele, Peter; Riquet, Franck B.; Trusolino, Livio; Bos, Johannes L.; Snippert, Hugo J. G. Richard Albert, Julien; Greenberg, Maxim V. C.	Quantifying single-cell ERK dynamics in colorectal cancer organoids reveals EGFR as an amplifier of oncogenic MAPK pathway signalling	Nature Cell Biology	10.1038/s41556-021-00654-5
	The Polycomb landscape in mouse development	Nature Genetics	10.1038/s41588-021-00833-y
Geigl, E.-M.	[Discussion about the presentation: "PCR and paleogenetics: for best and for worst"]	Bulletin De l'Academie Nationale De Medecine	10.1016/j.banm.2021.02.009
Villa, Tommaso; Jaszczyszyn, Yan; Libri, Domenico	Data from crosslinking and analysis of cDNAs (CRAC) of Nab3 in yeast cells expressing a circular ncRNA decoy	Data in Brief	10.1016/j.dib.2021.106951
Vullien, Aurore; Röttinger, Éric; Vervoort, Michel; Gazave, Eve	[A trio of mechanisms involved in regeneration initiation in animals]	Medecine Sciences: M/S	10.1051/medsci/2021037
Knox, Jessica; Joly, Nicolas; Linossi, Edmond M.; Carmona-Negrón, José A.; Jura, Natalia; Pintard, Lionel; Zuercher, William; Roy, Peter J.	A survey of the kinome pharmacopeia reveals multiple scaffolds and targets for the development of novel anthelmintics	Scientific Reports	10.1038/s41598-021-88150-6
Latorre, Ernest; Kale, Sohan; Casares, Laura; Gómez-González, Manuel; Uroz, Marina; Valon, Léo; Nair, Roshna V.; Garreta, Elena; Montserrat, Nuria; Del Campo, Aránzazu; Ladoux, Benoit; Arroyo, Marino; Trepát, Xavier	Addendum: Active superelasticity in three-dimensional epithelia of controlled shape	Nature	10.1038/s41586-021-03281-0
Gaston, Cécile; De Beco, Simon; Doss, Bryant; Pan, Meng; Gauquelin, Estelle; D'Alessandro, Joseph; Lim, Chwee Teck; Ladoux, Benoit; Delacour, Delphine	EpCAM promotes endosomal modulation of the cortical RhoA zone for epithelial organization	Nature Communications	10.1038/s41467-021-22482-9
Giménez-Andrés, Manuel; Emeršič, Tadej; Antoine-Bally, Sandra; D'Ambrosio, Juan Martin; Antonny, Bruno; Derganc, Jure; Čopič, Alenka	Exceptional stability of a perilipin on lipid droplets depends on its polar residues, suggesting multimeric assembly	eLife	10.7554/eLife.61401
Salvi, Alicia M.; Bays, Jennifer L.; Mackin, Samantha R.; Mege, René-Marc; DeMali, Kris A.	Ankyrin G organizes membrane components to promote coupling of cell mechanics and glucose uptake	Nature Cell Biology	10.1038/s41556-021-00677-y
Tovey, Corinne A.; Tsuji, Chisato; Egerton, Alice; Bernard, Fred; Guichet, Antoine; de la Roche, Marc; Conduit, Paul T.	Autoinhibition of Cnn binding to γ -TuRCs prevents ectopic microtubule nucleation and cell division defects	The Journal of Cell Biology	10.1083/jcb.202010020
Loh, Maëlys; Guichet, Antoine; Bernard, Fred	Nuclear Migration in the Drosophila Oocyte	Journal of Visualized Experiments: JoVE	10.3791/62688
Schmidt, Eric J.; Funes, Salome; McKeon, Jeanne E.; Morgan, Brittany R.; Boopathy, Sivakumar; O'Connor, Lauren C.; Bilsel, Osman; Massi, Francesca; Jégou, Antoine; Bosco, Daryl A.	ALS-linked PFN1 variants exhibit loss and gain of functions in the context of formin-induced actin polymerization	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.2024605118
Jain, Shreyansh; Ladoux, Benoit; Mège, René-Marc	Mechanical plasticity in collective cell migration	Current Opinion in Cell Biology	10.1016/j.ceb.2021.04.006

Déléris, Angélique; Berger, Frédéric; Duharcourt, Sandra	Role of Polycomb in the control of transposable elements	Trends in genetics: TIG	10.1016/j.tig.2021.06.003
Tavernier, Nicolas; Sicheri, Frank; Pintard, Lionel	Aurora A kinase activation: Different means to different ends	The Journal of Cell Biology	10.1083/jcb.202106128
Palancade, Benoit; Rothstein, Rodney	The Ultimate (Mis)match: When DNA Meets RNA	Cells	10.3390/cells10061433
d'Alessandro, Joseph; Barbier-Chebbah, Alex; Cellerin, Victor; Benichou, Olivier; Mège, René Marc; Voituriez, Raphaël; Ladoux, Benoît	Cell migration guided by long-lived spatial memory	Nature Communications	10.1038/s41467-021-24249-8
Brossas, Caroline; Duriez, Bénédicte; Valton, Anne-Laure; Prioleau, Marie-Noëlle	Promoters are key organizers of the duplication of vertebrate genomes	BioEssays: News and Reviews in Molecular, Cellular and Developmental Biology	10.1002/bies.202100141
Sellis, Diamantis; Guérin, Frédéric; Arnaiz, Olivier; Pett, Walker; Lerat, Emmanuelle; Boggetto, Nicole; Krennek, Sascha; Berendonk, Thomas; Couloux, Arnaud; Aury, Jean-Marc; Labadie, Karine; Malinsky, Sophie; Bhullar, Simran; Meyer, Eric; Sperling, Linda; Duret, Laurent; Duharcourt, Sandra	Massive colonization of protein-coding exons by selfish genetic elements in Paramecium germline genomes	PLoS biology	10.1371/journal.pbio.3001309
Sonam, Surabhi; Vigouroux, Clémence; Jégou, Antoine; Romet-Lemonne, Guillaume; Le Clainche, Christophe; Ladoux, Benoit; Mège, René Marc	Direct measurement of near-nano-Newton forces developed by self-organizing actomyosin fibers bound α -catenin	Biology of the Cell	10.1111/boc.202100014
Pilsworth, Jessica A.; Todeschini, Anne-Laure; Neilson, Samantha J.; Cochrane, Dawn R.; Lai, Daniel; Anttonen, Mikko; Heikinheimo, Markku; Huntsman, David G.; Veitia, Reiner A.	FOXL2 in adult-type granulosa cell tumour of the ovary: oncogene or tumour suppressor gene?	The Journal of Pathology	10.1002/path.5771
Piccolo, Floriane; Grandchamp, Anna; Piégu, Benoît; Rolland, Antoine D.; Veitia, Reiner A.; Monget, Philippe	Genes Encoding Teleost Orthologs of Human Haploinsufficient and Monoallelically Expressed Genes Remain in Duplicate More Frequently Than the Whole Genome	International Journal of Genomics	10.1155/2021/9028667
Ben Yamin, Barbara; Ahmed-Seghir, Sana; Tomida, Junya; Despras, Emmanuelle; Pouvelle, Caroline; Yurchenko, Andrey; Goulas, Jordane; Corre, Raphael; Delacour, Quentin; Droin, Nathalie; Dessen, Philippe; Goidin, Didier; Lange, Sabine S.; Bhetawal, Sarita; Mitjavila-Garcia, Maria Teresa; Baldacci, Giuseppe; Nikolaev, Sergey; Cadoret, Jean Charles; Wood, Richard D.; Kannouche, Patricia L.	DNA polymerase zeta contributes to heterochromatin replication to prevent genome instability	The EMBO journal	10.15252/embj.2020104543
Saleh, Jad; Mercier, Barbara; Xi, Wang	Bioengineering methods for organoid systems	Biology of the Cell	10.1111/boc.202000119
Simon, Félix; Konstantinides, Nikolaos	Single-cell transcriptomics in the Drosophila visual system: Advances and perspectives on cell identity regulation, connectivity, and neuronal diversity evolution	Developmental Biology	10.1016/j.ydbio.2021.08.001
Veitia, Reiner A.; Pilsworth, Jessica; Todeschini, Anne-Laure; Huntsman, David	Reply to "An alternative miRISC targets a cancer-associated coding sequence mutation in FOXL2"	The EMBO journal	10.15252/embj.2020107517
Özpolat, B. Duygu; Randel, Nadine; Williams, Elizabeth A.; Bezares-Calderón, Luis Alberto; Andreatta, Gabriele; Balavoine, Guillaume; Bertucci, Paola Y.; Ferrier, David E. K.; Gambi, Maria Cristina; Gazave, Eve; Handberg-Thorsager, Mette; Hardege, Jörg; Hird, Cameron; Hsieh, Yu-Wen; Hui, Jerome; Mutemi, Kevin Nzumbi; Schneider, Stephan Q.; Simakov, Oleg; Vergara, Hernando M.; Vervoort, Michel; Jékely, Gáspár; Tessmar-Raible, Kristin; Raible, Florian; Arendt, Detlev	The Nereid on the rise: Platynereis as a model system	EvoDevo	10.1186/s13227-021-00180-3
Gaudin, Noémie; Martin Gil, Paula; Azimzadeh, Juliette	DISCO is key to successful centriole maturation	The Journal of Cell Biology	10.1083/jcb.202107033

Vignier, Nicolas; Chatzifrangkeskou, Maria; Pinton, Luca; Wioland, Hugo; Marais, Thibaut; Lemaitre, Mégane; Le Dour, Caroline; Peccate, Cécile; Cardoso, Déborah; Schmitt, Alain; Wu, Wei; Biferi, Maria-Grazia; Naouar, Naïra; Macquart, Coline; Beuvin, Maud; Decostre, Valérie; Bonne, Gisèle; Romet-Lemonne, Guillaume; Worman, Howard J.; Tedesco, Francesco Saverio; Jégou, Antoine; Muchir, Antoine	The non-muscle ADF/cofilin-1 controls sarcomeric actin filament integrity and force production in striated muscle laminopathies	Cell Reports	10.1016/j.celrep.2021.109601
Wohlschlegel, J.; Argentini, M.; Michiels, C.; Letellier, C.; Forster, V.; Condroyer, C.; He, Z.; Thuret, G.; Zeitz, C.; Léger, T.; Audo, I.	First identification of ITM2B interactome in the human retina	Scientific Reports	10.1038/s41598-021-96571-6
Bernard, Fred; Jouette, Julie; Durieu, Catherine; Le Borgne, Rémi; Guichet, Antoine; Claret, Sandra	GFP-Tagged Protein Detection by Electron Microscopy Using a GBP-APEX Tool in Drosophila	Frontiers in Cell and Developmental Biology	10.3389/fcell.2021.719582
van Helden, Jacques; Butler, Colin D.; Achaz, Guillaume; Canard, Bruno; Casane, Didier; Claverie, Jean-Michel; Colombo, Fabien; Courtier, Virginie; Ebright, Richard H.; Graner, François; Leitenberg, Milton; Morand, Serge; Petrovsky, Nikolai; Segreto, Rossana; Decroly, Etienne; Halloy, José	An appeal for an objective, open, and transparent scientific debate about the origin of SARS-CoV-2	Lancet (London, England)	10.1016/S0140-6736(21)02019-5
Fukui, Hajime; Chow, Renee Wei-Yan; Xie, Jing; Foo, Yoke Yin; Yap, Choon Hwai; Minc, Nicolas; Mochizuki, Naoki; Vermot, Julien	Bioelectric signaling and the control of cardiac cell identity in response to mechanical forces	Science (New York, N.Y.)	10.1126/science.abc6229
Bonnet, Amandine; Chaput, Carole; Palmic, Noé; Palancade, Benoit; Lesage, Pascale	A nuclear pore sub-complex restricts the propagation of Ty retrotransposons by limiting their transcription	PLoS genetics	10.1371/journal.pgen.1009889
Proux-Gillardeaux, Veronique; Advedissian, Tamara; Perin, Charlotte; Gelly, Jean-Christophe; Viguier, Mireille; Deshayes, Frederique	Identification of a new regulation pathway of EGFR and E-cadherin dynamics	Scientific Reports	10.1038/s41598-021-02042-3
Léon, Sébastien	Endocytosis and stress: From mechanisms to cellular physiology	Biology of the Cell	10.1111/boc.202100072
Neeli-Venkata, Ramakanth; Diaz, Celia Municio; Celador, Ruben; Sanchez, Yolanda; Minc, Nicolas	Detection of surface forces by the cell-wall mechanosensor Wsc1 in yeast	Developmental Cell	10.1016/j.devcel.2021.09.024
Borne, Flora; Kulathinal, Rob J.; Courtier-Orgogozo, Virginie	Glue Genes Are Subjected to Diverse Selective Forces during Drosophila Development	Genome Biology and Evolution	10.1093/gbe/evab248
Bertini, Elisa Violeta; Torres, Mariela Analía; Léger, Thibaut; Garcia, Camille; Hong, Kar-Wai; Chong, Teik Min; Castellanos de Figueroa, Lucía I.; Chan, Kok-Gan; Dessaux, Yves; Camadro, Jean-Michel; Nieto-Peñalver, Carlos Gabriel	Insight in the quorum sensing-driven lifestyle of the non-pathogenic Agrobacterium tumefaciens 6N2 and the interactions with the yeast Meyerozyma guilliermondii	Genomics	10.1016/j.ygeno.2021.11.017
Birchler, James A.; Veitia, Reiner A.	One Hundred Years of Gene Balance: How Stoichiometric Issues Affect Gene Expression, Genome Evolution, and Quantitative Traits	Cytogenetic and Genome Research	10.1159/000519592
Sipieter, François; Laurent, Louis; Borghi, Nicolas	Nesprins mechanically discriminate between distinct epithelium-to-mesenchyme transitions	Medecine Sciences: M/S	10.1051/medsci/2021132
Aladin, Darwesh Mohideen Kaderbatcha; Chu, Yeh Shiu; Shen, Shuo; Robinson, Robert Charles; Dufour, Sylvie; Viasnoff, Virgile; Borghi, Nicolas; Thiery, Jean Paul	Extracellular domains of E-cadherin determine key mechanical phenotypes of an epithelium through cell- and non-cell-autonomous outside-in signaling	PLoS One	10.1371/journal.pone.0260593
Dussouchaud, Alice; Jacob, Julieta; Secq, Charles; Verbavatz, Jean-Marc; Moras, Martina; Larghero, Jérôme; Fader, Claudio M.; Ostuni, Mariano A.; Lefevre, Sophie D.	Transmission Electron Microscopy to Follow Ultrastructural Modifications of Erythroblasts Upon ex vivo Human Erythropoiesis	Frontiers in Physiology	10.3389/fphys.2021.791691
Gazave, Eve; Röttinger, Eric	7th Euro Evo Devo meeting: Report on the "Evolution of regeneration in Metazoa" symposium	Journal of Experimental Zoology. Part B, Molecular and Developmental Evolution	10.1002/jez.b.22897
Tovey, Corinne A.; Tsuji, Chisato; Egerton, Alice; Bernard, Fred; Guichet, Antoine; de la Roche, Marc; Conduit, Paul T.	Autoinhibition of Cnn binding to γ -TuRCs prevents ectopic microtubule nucleation and cell division defects	The Journal of Cell Biology	10.1083/jcb.202010020

Lautier, Ophélie; Penzo, Arianna; Rouvière, Jérôme O.; Chevreux, Guillaume; Collet, Louis; Loïodice, Isabelle; Taddei, Angela; Devaux, Frédéric; Collart, Martine A.; Palancade, Benoit	Co-translational assembly and localized translation of nucleoporins in nuclear pore complex biogenesis	Molecular Cell	10.1016/j.molcel.2021.03.030
Sonam, Surabhi; Vigouroux, Clémence; Jégou, Antoine; Romet-Lemonne, Guillaume; Le Clainche, Christophe; Ladoux, Benoit; Mège, René Marc	Direct measurement of near-nano-Newton forces developed by self-organizing actomyosin fibers bound α -catenin	Biology of the Cell	10.1111/boc.202100014
Özpolat, B. Duygu; Randel, Nadine; Williams, Elizabeth A.; Bezares-Calderón, Luis Alberto; Andreatta, Gabriele; Balavoine, Guillaume; Bertucci, Paola Y.; Ferrier, David E. K.; Gambi, Maria Cristina; Gazave, Eve; Handberg-Thorsager, Mette; Hardege, Jörg; Hird, Cameron; Hsieh, Yu-Wen; Hui, Jerome; Mutemi, Kevin Nzumbi; Schneider, Stephan Q.; Simakov, Oleg; Vergara, Hernando M.; Vervoort, Michel; Jékely, Gáspár; Tessmar-Raible, Kristin; Raible, Florian; Arendt, Detlev	The Nereid on the rise: Platynereis as a model system	EvoDevo	10.1186/s13227-021-00180-3
Sénécaut, Nicolas; Alves, Gelio; Weisser, Hendrik; Lignièrès, Laurent; Terrier, Samuel; Yang-Crosson, Lilian; Poulain, Pierre; Lelandais, Gaëlle; Yu, Yi-Kuo; Camadro, Jean-Michel	Novel Insights into Quantitative Proteomics from an Innovative Bottom-Up Simple Light Isotope Metabolic (bSLIM) Labeling Data Processing Strategy	Journal of Proteome Research	10.1021/acs.jproteome.0c00478
Bernard, Fred; Jouette, Julie; Durieu, Catherine; Le Borgne, Rémi; Guichet, Antoine; Claret, Sandra	GFP-Tagged Protein Detection by Electron Microscopy Using a GBP-APEX Tool in Drosophila	Frontiers in Cell and Developmental Biology	10.3389/fcell.2021.719582
Gialluisi, Alessandro; Andlauer, Till F. M.; Mirza-Schreiber, Nazanin; Moll, Kristina; Becker, Jessica; Hoffmann, Per; Ludwig, Kerstin U.; Czamara, Darina; Pourcain, Beate St; Honbolygó, Ferenc; Tóth, Dénes; Csépe, Valéria; Huguet, Guillaume; Chaix, Yves; Iannuzzi, Stephanie; Demonet, Jean-Francois; Morris, Andrew P.; Hulslander, Jacqueline; Willcutt, Erik G.; DeFries, John C.; Olson, Richard K.; Smith, Shelley D.; Pennington, Bruce F.; Vaessen, Anniek; Maurer, Urs; Lyytinen, Heikki; Peyrard-Janvid, Myriam; Leppänen, Paavo H. T.; Brandeis, Daniel; Bonte, Milene; Stein, John F.; Talcott, Joel B.; Fauchereau, Fabien; Wilcke, Arndt; Kirsten, Holger; Müller, Bent; Francks, Clyde; Bourgeron, Thomas; Monaco, Anthony P.; Ramus, Franck; Landerl, Karin; Kere, Juha; Scerri, Thomas S.; Paracchini, Silvia; Fisher, Simon E.; Schumacher, Johannes; Nöthen, Markus M.; Müller-Myhsok, Bertram; Schulte-Körne, Gerd	Genome-wide association study reveals new insights into the heritability and genetic correlates of developmental dyslexia	Molecular Psychiatry	10.1038/s41380-020-00898-x
Kychygina, Anna; Dall'Osto, Marina; Allen, Joshua A. M.; Cadoret, Jean-Charles; Piras, Vincent; Pickett, Hilda A.; Crabbe, Laure	Progerin impairs 3D genome organization and induces fragile telomeres by limiting the dNTP pools	Scientific Reports	10.1038/s41598-021-92631-z
Marsin, Stéphanie; Adam, Yazid; Cargemel, Claire; Andreani, Jessica; Baconnais, Sonia; Legrand, Pierre; Li de la Sierra-Gallay, Ines; Humbert, Adeline; Aumont-Nicaise, Magali; Velours, Christophe; Ochsenbein, Françoise; Durand, Dominique; Le Cam, Eric; Walbott, Hélène; Possoz, Christophe; Quevillon-Cheruel, Sophie; Ferat, Jean-Luc	Study of the DnaB:DciA interplay reveals insights into the primary mode of loading of the bacterial replicative helicase	Nucleic Acids Research	10.1093/nar/gkab463
Kotabova, Eva; Malych, Ronald; Pierella Karlusich, Juan José; Kazamia, Elena; Eichner, Meri; Mach, Jan; Lesuisse, Emmanuel; Bowler, Chris; Prášil, Ondřej; Sutak, Robert	Complex Response of the Chlorarachniophyte Bigelowiella natans to Iron Availability	mSystems	10.1128/mSystems.00738-20

Annie, Dutriaux; Serena, Diazzi; Sandrine, Caburet; Chiara, Bresesti; Sylvie, Hardouin; Frédérique, Deshayes; Jérôme, Collignon; Domenico, Flagiello	LADON, a natural antisense transcript of NODAL, promotes an invasive behaviour in melanoma cells		10.1101/2020.04.09.032375
Mukherjee, Amrita; Conduit, Paul T.	γ -TuRCs are required for asymmetric microtubule nucleation from the somatic Golgi of Drosophila neurons		10.1101/2021.09.24.461707
Forey, Romain; Barthe, Antoine; Tittel-Elmer, Mireille; Wery, Maxime; Barrault, Marie-Bénédicte; Ducrot, Cécile; Seeber, Andrew; Krietenstein, Nils; Szachnowski, Ugo; Skrzypczak, Magdalena; Ginalski, Krzysztof; Rowicka, Maga; Cobb, Jennifer A.; Rando, Oliver J.; Soutourina, Julie; Werner, Michel; Dubrana, Karine; Gasser, Susan M.; Morillon, Antonin; Pasero, Philippe; Lengronne, Armelle; Poli, Jérôme	A Role for the Mre11-Rad50-Xrs2 Complex in Gene Expression and Chromosome Organization	Molecular Cell	10.1016/j.molcel.2020.11.010
Briu, Lina-Marie; Maric, Chrystelle; Cadoret, Jean-Charles	Replication Stress, Genomic Instability, and Replication Timing: A Complex Relationship	International Journal of Molecular Sciences	10.3390/ijms22094764
Gazave, Quentin Schenkelaars, Eve	The Annelid <i>Platynereis dumerilii</i> as an Experimental Model for Evo-Devo and Regeneration Studies	Handbook of Marine Model Organisms in Experimental Biology	
Geigl, Eva-María	Contribution de la paléogénétique à l'archéologie		
Geigl, E. -M.	PCR et paléogénétique : pour le meilleur et pour le pire	Bulletin de l'Académie Nationale de Médecine	10.1016/j.banm.2020.12.022
Gupta, Nikhil; Yakhou, Lounis; Albert, Julien Richard; Miura, Fumihito; Ferry, Laure; Kirsh, Olivier; Laisné, Marthe; Yamaguchi, Kosuke; Domrane, Cécilia; Bonhomme, Frédéric; Sarkar, Arpita; Delagrange, Marine; Ducos, Bertrand; Greenberg, Maxim V. C.; Cristofari, Gael; Bultmann, Sebastian; Ito, Takashi; Defossez, Pierre-Antoine	A genome-wide knock-out screen for actors of epigenetic silencing reveals new regulators of germline genes and 2-cell like cell state		10.1101/2021.05.03.442415
Bernard, Fred; Jouette, Julie; Durieu, Catherine; Le Borgne, Rémi; Guichet, Antoine; Claret, Sandra	GFP-Tagged Protein Detection by Electron Microscopy Using a GBP-APEX Tool in Drosophila	Frontiers in Cell and Developmental Biology	
Brun, Sylvain; Kuo, Hsiao-Che; Jeffree, Chris E.; Thomson, Darren D.; Read, Nick	Courtship Ritual of Male and Female Nuclei during Fertilization in <i>Neurospora crassa</i>	Microbiology Spectrum	10.1128/Spectrum.00335-21
Opachaloemphan, Comzit; Mancini, Giacomo; Konstantinides, Nikos; Parikh, Apurva; Mlejnek, Jakub; Yan, Hua; Reinberg, Danny; Desplan, Claude	Early behavioral and molecular events leading to caste switching in the ant <i>Harpegnathos</i>	Genes & Development	10.1101/gad.343699.120
Özel, Mehmet Neset; Simon, Félix; Jafari, Shadi; Holguera, Isabel; Chen, Yen-Chung; Benhra, Najate; El-Danaf, Rana Naja; Kapuralin, Katarina; Malin, Jennifer Amy; Konstantinides, Nikolaos; Desplan, Claude	Neuronal diversity and convergence in a visual system developmental atlas	Nature	10.1038/s41586-020-2879-3
Simon, Félix; Konstantinides, Nikolaos	Single-cell transcriptomics in the Drosophila visual system: Advances and perspectives on cell identity regulation, connectivity, and neuronal diversity evolution	Developmental Biology	10.1016/j.ydbio.2021.08.001
Marques, Graça S.; Teles-Reis, José; Konstantinides, Nikolaos; Brito, Patrícia H.; Homem, Catarina C. F.	Fate transitions in Drosophila neural lineages: a single cell road map to mature neurons		10.1101/2021.06.22.449317
Miserey-Lenkei, Stéphanie; Trajkovic, Katarina; D'Ambrosio, Juan Martín; Patel, Amanda J; Čopič, Alenka; Mathur, Pallavi; Schauer, Kristine; Goud, Bruno; Albanèse, Véronique; Gautier, Romain; Subra, Melody; Kovacs, David; Barelli, Hélène; Antonny, Bruno	A comprehensive library of fluorescent constructs of SARS-CoV-2 proteins and their initial characterisation in different cell types	Biology of the Cell	10.1111/boc.202000158
Veitia, Reiner A; Pilsworth, Jessica; Todeschini, Anne-Laure; Huntsman, David	Reply to "An alternative miRISC targets a cancer-associated coding sequence mutation in FOXL2"	The EMBO Journal	10.15252/embj.2020107517

Caburet, Sandrine; Heddar, Abdelkader; Dardillac, Elodie; Creux, H�el�ene; Lambert, Marie; Messiaen, S�ebastien; Tourpin, Sophie; Livera, Gabriel; Lopez, Bernard S.; Misrahi, Micheline	Homozygous hypomorphic BRCA2 variant in primary ovarian insufficiency without cancer or Fanconi anaemia trait	Journal of Medical Genetics	10.1136/jmedgenet-2019-106672
Penkov, Sider; Raghuraman, Bharath Kumar; Erkut, Cihan; Oertel, Jana; Galli, Roberta; Ackerman, Eduardo Jacobo Miranda; Vorkel, Daniela; Verbavatz, Jean-Marc; Koch, Edmund; Fahmy, Karim; Shevchenko, Andrej; Kurzchalia, Teymuraz V.	A metabolic switch regulates the transition between growth and diapause in <i>C. elegans</i>	BMC biology	10.1186/s12915-020-0760-3
Coppin, Lucie; Jannin, Arnaud; Ait Yahya, Emilie; Thuillier, Caroline; Villenet, C�eline; Tardivel, Meryem; Bongiovanni, Antonino; Gaston, C�ecile; de Beco, Simon; Barois, Nicolas; van Seuning, Isabelle; Durand, Emmanuelle; Bonnefond, Am�elie; Vienne, Jean-Claude; Vamecq, Joseph; Figeac, Martin; Vincent, Audrey; Delacour, Delphine; Porchet, Nicole; Pigny, Pascal	Galectin-3 modulates epithelial cell adaptation to stress at the ER-mitochondria interface	Cell Death & Disease	10.1038/s41419-020-2556-3
D'Ambrosio, Juan Mart�ın; Alban�ese, V�eronique; Lipp, Nicolas-Fr�ed�eric; Fleuriot, Lucile; Debayle, Delphine; Drin, Guillaume; �Copi�c, Alenka	Osh6 requires Ist2 for localization to ER-PM contacts and efficient phosphatidylserine transport in budding yeast	Journal of Cell Science	10.1242/jcs.243733
Le Boulch, Marie; Brossard, Audrey; Le Dez, Ga�elle; L�eon, S�ebastien; Rabut, Gwena�el	Sensitive detection of protein ubiquitylation using a protein fragment complementation assay	Journal of Cell Science	10.1242/jcs.240093
Joly, Nicolas; Beaumale, Eva; Van Hove, Lucie; Martino, Lisa; Pintard, Lionel	Phosphorylation of the microtubule-severing AAA+ enzyme Katanin regulates <i>C. elegans</i> embryo development	The Journal of Cell Biology	10.1083/jcb.201912037
Caburet, Sandrine; Heddar, Abdelkader; Dardillac, Elodie; Creux, H�el�ene; Lambert, Marie; Messiaen, S�ebastien; Tourpin, Sophie; Livera, Gabriel; Lopez, Bernard S.; Misrahi, Micheline	Homozygous hypomorphic BRCA2 variant in primary ovarian insufficiency without cancer or Fanconi anaemia trait	Journal of Medical Genetics	10.1136/jmedgenet-2019-106672
Cao, Luyan; Yonis, Amina; Vaghela, Malti; Barriga, Elias H.; Chugh, Priyamvada; Smith, Matthew B.; Maufront, Julien; Lavoie, Genevi�eve; M�eant, Antoine; Ferber, Emma; Bovellan, Miia; Alberts, Art; Bertin, Aur�elie; Mayor, Roberto; Paluch, Ewa K.; Roux, Philippe P.; J�egou, Antoine; Romet-Lemonne, Guillaume; Charras, Guillaume	SPIN90 associates with mDia1 and the Arp2/3 complex to regulate cortical actin organization	Nature Cell Biology	10.1038/s41556-020-0531-y
von Loeffelholz, Ottilie; Purkiss, Andrew; Cao, Luyan; Kjaer, Svend; Kogata, Naoko; Romet-Lemonne, Guillaume; Way, Michael; Moores, Carolyn A.	Cryo-EM of human Arp2/3 complexes provides structural insights into actin nucleation modulation by ARPC5 isoforms	Biology Open	10.1242/bio.054304
de Vanssay, Augustin; Touzeau, Amandine; Arnaiz, Olivier; Frapporti, Andrea; Phipps, Jamie; Duharcourt, Sandra	The Paramecium histone chaperone Spt16-1 is required for Pgm endonuclease function in programmed genome rearrangements	PLoS genetics	10.1371/journal.pgen.1008949
Jain, Shreyansh; Cachoux, Victoire M. L.; Narayana, Gautham H. N. S.; de Beco, Simon; D'Alessandro, Joseph; Cellerin, Victor; Chen, Tianchi; Heuz�e, M�elina L.; Marcq, Philippe; M�ege, Ren�e-Marc; Kabla, Alexandre J.; Lim, Chwee Teck; Ladoux, Benoit	The role of single cell mechanical behavior and polarity in driving collective cell migration	Nature Physics	10.1038/s41567-020-0875-z
Bonazzi, Daria; Lo Schiavo, Valentina; Machata, Silke; Djafer-Cherif, Ilyas; Nivoit, Pierre; Manriquez, Valeria; Tanimoto, Hirokazu; Husson, Julien; Henry, Nelly; Chat�e, Hugues; Voituriez, Raphael; Dumenil, Guillaume	[A new type of active matter explains the mechanism of bacterial aggregation and its impact on meningococcal infection]	Comptes Rendus Biologies	10.5802/crbio.9
Hadjadj, Djihad; Denecker, Thomas; Gu�erin, Eva; Kim, Su-Jung; Fauchereau, Fabien; Baldacci, Giuseppe; Maric, Chrystelle; Cadoret, Jean-Charles	Efficient, quick and easy-to-use DNA replication timing analysis with START-R suite	NAR genomics and bioinformatics	10.1093/nargab/lqaa045

Ivashov, Vasyi; Zimmer, Johannes; Schwabl, Sinead; Kahlhofer, Jennifer; Weys, Sabine; Gstir, Ronald; Jakschitz, Thomas; Kremser, Leopold; Bonn, Günther K.; Lindner, Herbert; Huber, Lukas A.; Leon, Sebastien; Schmidt, Oliver; Teis, David	Complementary α -arrestin-ubiquitin ligase complexes control nutrient transporter endocytosis in response to amino acids	eLife	10.7554/eLife.58246
Déjardin, Théophile; Carollo, Pietro Salvatore; Sipieter, François; Davidson, Patricia M.; Seiler, Cynthia; Cuvelier, Damien; Cadot, Bruno; Sykes, Cecile; Gomes, Edgar R.; Borghi, Nicolas	Nesprins are mechanotransducers that discriminate epithelial-mesenchymal transition programs	The Journal of Cell Biology	10.1083/jcb.201908036
Felipe-Medina, Natalia; Caburet, Sandrine; Sánchez-Sáez, Fernando; Condezo, Yazmine B.; de Rooij, Dirk G.; Gómez-H, Laura; Garcia-Valiente, Rodrigo; Todeschini, Anne Laure; Duque, Paloma; Sánchez-Martin, Manuel Adolfo; Shalev, Stavit A.; Llano, Elena; Veitia, Reiner A.; Pendás, Alberto M.	A missense in HSF2BP causing primary ovarian insufficiency affects meiotic recombination by its novel interactor C19ORF57/BRME1	eLife	10.7554/eLife.56996
Laussel, Clotilde; Léon, Sébastien	Cellular toxicity of the metabolic inhibitor 2-deoxyglucose and associated resistance mechanisms	Biochemical Pharmacology	10.1016/j.bcp.2020.114213
Raich, Natacha; Contremoulins, Vincent; Karess, Roger E.	Immunostaining of Whole-Mount Drosophila Testes for 3D Confocal Analysis of Large Spermatocytes	Journal of Visualized Experiments: JoVE	10.3791/61061
Brossas, Caroline; Valton, Anne-Laure; Venev, Sergey V.; Chilaka, Sabarinadh; Counillon, Antonin; Laurent, Marc; Goncalves, Coralie; Duriez, Bénédicte; Picard, Franck; Dekker, Job; Prioleau, Marie-Noëlle	Clustering of strong replicators associated with active promoters is sufficient to establish an early-replicating domain	The EMBO journal	10.15252/embj.201899520
Palenzuela, Héliciane; Lacroix, Benjamin; Sallé, Jérémy; Minami, Katsuhiko; Shima, Tomohiro; Jegou, Antoine; Romet-Lemonne, Guillaume; Minc, Nicolas	In Vitro Reconstitution of Dynein Force Exertion in a Bulk Viscous Medium	Current biology: CB	10.1016/j.cub.2020.08.078
Velez-Aguilera, Griselda; Nkombo Nkoula, Sylvia; Ossareh-Nazari, Batool; Link, Jana; Paouneskou, Dimitra; Van Hove, Lucie; Joly, Nicolas; Tavernier, Nicolas; Verbavatz, Jean-Marc; Jantsch, Verena; Pintard, Lionel	PLK-1 promotes the merger of the parental genome into a single nucleus by triggering lamina disassembly	eLife	10.7554/eLife.59510
Gonzalez Curto, Gloria; Der Vartanian, Audrey; Frarma, Youcef El-Mokhtar; Manceau, Line; Baldi, Lorenzo; Prisco, Selene; Elarouci, Nabila; Causeret, Frédéric; Korenkov, Daniil; Rigolet, Muriel; Aurade, Frédéric; De Reynies, Aurélien; Contremoulins, Vincent; Relaix, Frédéric; Faklaris, Orestis; Briscoe, James; Gilardi-Hebenstreit, Pascale; Ribes, Vanessa	The PAX-FOXO1s trigger fast trans-differentiation of chick embryonic neural cells into alveolar rhabdomyosarcoma with tissue invasive properties limited by S phase entry inhibition	PLoS genetics	10.1371/journal.pgen.1009164
Kohiyama, Masamichi	Research on DnaA in the early days	Research in Microbiology	10.1016/j.resmic.2020.11.004
Taherally, Sarah; Ershov, Dmitry; Dmitrieff, Serge; Minc, Nicolas	An image analysis method to survey the dynamics of polar protein abundance in the regulation of tip growth	Journal of Cell Science	10.1242/jcs.252064
Courtier-Orgogozo, Virginie; Danchin, Antoine; Gouyon, Pierre-Henri; Boëte, Christophe	Evaluating the probability of CRISPR-based gene drive contaminating another species	Evolutionary Applications	10.1111/eva.12939
Tlili, S.; Durande, M.; Gay, C.; Ladoux, B.; Graner, F.; Delanoë-Ayari, H.	Migrating Epithelial Monolayer Flows Like a Maxwell Viscoelastic Liquid	Physical Review Letters	10.1103/PhysRevLett.125.088102
Bareja, Ilina; Wioland, Hugo; Janco, Miro; Nicovich, Philip R.; Jégou, Antoine; Romet-Lemonne, Guillaume; Walsh, James; Böcking, Till	Dynamics of Tpm1.8 domains on actin filaments with single-molecule resolution	Molecular Biology of the Cell	10.1091/mbc.E19-10-0586
Steinway, Steven N.; Saleh, Jad; Koo, Bon-Kyoung; Delacour, Delphine; Kim, Deok-Ho	Human Microphysiological Models of Intestinal Tissue and Gut Microbiome	Frontiers in Bioengineering and Biotechnology	10.3389/fbioe.2020.00725
Guimaraes, Silvia; Arbuckle, Benjamin S.; Peters, Joris; Adcock, Sarah E.; Buitenhuis, Hylke; Chazin, Hannah; Manaseryan, Ninna; Uerpman, Hans-Peter; Grange, Thierry; Geigl, Eva-Maria	Ancient DNA shows domestic horses were introduced in the southern Caucasus and Anatolia during the Bronze Age	Science Advances	10.1126/sciadv.abb0030

Ghisleni, Andrea; Galli, Camilla; Monzo, Pascale; Ascione, Flora; Fardin, Marc-Antoine; Scita, Giorgio; Li, Qingsen; Maiuri, Paolo; Gauthier, Nils C.	Complementary mesoscale dynamics of spectrin and acto-myosin shape membrane territories during mechanoreponse	Nature Communications	10.1038/s41467-020-18825-7
Morilla, Ian; Léger, Thibaut; Marah, Assiya; Pic, Isabelle; Zaag, Hatem; Ogier-Denis, Eric	Singular manifolds of proteomic drivers to model the evolution of inflammatory bowel disease status	Scientific Reports	10.1038/s41598-020-76011-7
Kramarz, Karol; Schirmeisen, Kamila; Boucherit, Virginie; Ait Saada, Anissia; Lovo, Claire; Palancade, Benoit; Freudenreich, Catherine; Lambert, Sarah A. E.	The nuclear pore primes recombination-dependent DNA synthesis at arrested forks by promoting SUMO removal	Nature Communications	10.1038/s41467-020-19516-z
Sutak, Robert; Camadro, Jean-Michel; Lesuisse, Emmanuel	Iron Uptake Mechanisms in Marine Phytoplankton	Frontiers in Microbiology	10.3389/fmicb.2020.566691
Song, Solène; Starunov, Viktor; Bailly, Xavier; Ruta, Christine; Kerner, Pierre; Cornelissen, Annemiek J. M.; Balavoine, Guillaume	Globins in the marine annelid <i>Platynereis dumerilii</i> shed new light on hemoglobin evolution in bilaterians	BMC evolutionary biology	10.1186/s12862-020-01714-4
Greenberg, Maxim V. C.	Get Out and Stay Out: New Insights Into DNA Methylation Reprogramming in Mammals	Frontiers in Cell and Developmental Biology	10.3389/fcell.2020.629068
Denecker, Thomas; Zhou Li, Youfang; Fairhead, Cécile; Budin, Karine; Camadro, Jean-Michel; Bolotin-Fukuhara, Monique; Angoulvant, Adela; Lelandais, Gaëlle	Functional networks of co-expressed genes to explore iron homeostasis processes in the pathogenic yeast <i>Candida glabrata</i>	NAR genomics and bioinformatics	10.1093/nargab/lqaa027
Grassmann, Felix; International AMD Genomics Consortium (IAMDGC); Weber, Bernhard H. F.; Veitia, Reiner A.	Insights into the loss of the Y chromosome with age in control individuals and in patients with age-related macular degeneration using genotyping microarray data	Human Genetics	10.1007/s00439-019-02029-1
Cianciolo Cosentino, Chiara; Berto, Alessandro; Pelletier, Stéphane; Hari, Michelle; Loffing, Johannes; Neuhaus, Stephan C. F.; Doye, Valérie	Author Correction: Moderate Nucleoporin 133 deficiency leads to glomerular damage in zebrafish	Scientific Reports	10.1038/s41598-020-57829-7
Verrico, Annalisa; Rovella, Paola; Di Francesco, Laura; Damizia, Michela; Staid, David Sasah; Le Pera, Loredana; Schininà, M. Eugenia; Lavia, Patrizia	Importin- β /karyopherin- β 1 modulates mitotic microtubule function and taxane sensitivity in cancer cells via its nucleoporin-binding region	Oncogene	10.1038/s41388-019-0989-x
Courtier-Orgogozo, Virginie; Arnoult, Laurent; Prigent, Stéphane R.; Wiltgen, Séverine; Martin, Arnaud	Gephebase, a database of genotype-phenotype relationships for natural and domesticated variation in Eukaryotes	Nucleic Acids Research	10.1093/nar/gkz796
Couturier, Mohea; Gadelle, Danièle; Forterre, Patrick; Nadal, Marc; Garnier, Florence	The reverse gyrase TopR1 is responsible for the homeostatic control of DNA supercoiling in the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i>	Molecular Microbiology	10.1111/mmi.14424
Umana-Diaz, Claudia; Pichol-Thievend, Cathy; Marchand, Marion F.; Atlas, Yoann; Salza, Romain; Malbouyres, Marilyne; Barret, Alain; Teillon, Jérémie; Ardidie-Robouant, Corinne; Ruggiero, Florence; Monnot, Catherine; Girard, Philippe; Guilluy, Christophe; Ricard-Blum, Sylvie; Germain, Stéphane; Muller, Laurent	Scavenger Receptor Cysteine-Rich domains of Lysyl Oxidase-Like2 regulate endothelial ECM and angiogenesis through non-catalytic scaffolding mechanisms	Matrix Biology: Journal of the International Society for Matrix Biology	10.1016/j.matbio.2019.11.003
Duval, Celia; Macabiou, Carole; Garcia, Camille; Lesuisse, Emmanuel; Camadro, Jean-Michel; Auchère, Françoise	The adaptive response to iron involves changes in energetic strategies in the pathogen <i>Candida albicans</i>	MicrobiologyOpen	10.1002/mbo3.970
Porrúa, Odil	Purification and In Vitro Analysis of the Exosome Cofactors Nrd1-Nab3 and Trf4-Air2	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-4939-9822-7_14
Pizon, Véronique; Gaudin, Noémie; Poteau, Marion; Cifuentes-Diaz, Carmen; Demdou, Roland; Heyer, Vincent; Reina San Martin, Bernardo; Azimzadeh, Juliette	hVFL3/CCDC61 is a component of mother centriole subdistal appendages required for centrosome cohesion and positioning	Biology of the Cell	10.1111/boc.201900038
Jegou, Antoine; Romet-Lemonne, Guillaume	The many implications of actin filament helicity	Seminars in Cell & Developmental Biology	10.1016/j.semcdb.2019.10.018
Petitjean, Michel	Molecular Chirality in Classical Spacetime: Solving the Controversy about the Spinning Cone Model of Rotating Molecules	Chemistry (Weinheim an Der Bergstrasse, Germany)	10.1002/chem.201904247

Suzuki, Emiko L.; Chikireddy, Jahnavi; Dmitrieff, Serge; Guichard, Bérengère; Romet-Lemonne, Guillaume; Jégou, Antoine	Geometrical Constraints Greatly Hinder Formin mDia1 Activity	Nano Letters	10.1021/acs.nanolett.9b02241
Penrad-Mobayed, May; Perrin, Caroline; Herman, Laetitia; Todeschini, Anne-Laure; Nigon, Fabienne; Cosson, Bertrand; Caburet, Sandrine; Veitia, Reiner A.	Conventional and unconventional interactions of the transcription factor FOXL2 uncovered by a proteome-wide analysis	FASEB journal: official publication of the Federation of American Societies for Experimental Biology	10.1096/fj.201901573R
Čopič, Alenka; Petrovič, Uroš	Yeast lipids	Yeast (Chichester, England)	10.1002/yea.3459
Al Amir Dache, Zahra; Otandault, Amaëlle; Tanos, Rita; Pastor, Brice; Meddeb, Romain; Sanchez, Cynthia; Arena, Giuseppe; Lasorsa, Laurence; Bennett, Andrew; Grange, Thierry; El Messaoudi, Safia; Mazard, Thibault; Prevostel, Corinne; Thierry, Alain R.	Blood contains circulating cell-free respiratory competent mitochondria	FASEB journal: official publication of the Federation of American Societies for Experimental Biology	10.1096/fj.201901917RR
Hazra, Ditipriya; Andrić, Vedrana; Palancade, Benoit; Rougemaille, Mathieu; Graille, Marc	Formation of <i>S. pombe</i> Erh1 homodimer mediates gametogenic gene silencing and meiosis progression	Scientific Reports	10.1038/s41598-020-57872-4
Canever, Helena; Sipieter, François; Borghi, Nicolas	When Separation Strengthens Ties	Trends in Cell Biology	10.1016/j.tcb.2019.12.002
Thomas, Minnah; Ladoux, Benoit; Toyama, Yusuke	Desmosomal Junctions Govern Tissue Integrity and Actomyosin Contractility in Apoptotic Cell Extrusion	Current biology: CB	10.1016/j.cub.2020.01.002
Cianciolo Cosentino, Chiara; Berto, Alessandro; Pelletier, Stéphane; Hari, Michelle; Loffing, Johannes; Neuhauss, Stephan C. F.; Doye, Valérie	Publisher Correction: Moderate Nucleoporin 133 deficiency leads to glomerular damage in zebrafish	Scientific Reports	10.1038/s41598-020-58959-8
Botté, Alexandra; Lainé, Jeanne; Xicota, Laura; Heiligenstein, Xavier; Fontaine, Gaëlle; Kasri, Amal; Rivals, Isabelle; Goh, Pollyanna; Faklaris, Orestis; Cossec, Jack-Christophe; Morel, Etienne; Rebillat, Anne-Sophie; Nizetic, Dean; Raposo, Graça; Potier, Marie-Claude	Ultrastructural and dynamic studies of the endosomal compartment in Down syndrome	Acta Neuropathologica Communications	10.1186/s40478-020-00956-z
Menant, Alexandra; Karess, Roger E.	Mutations in the <i>Drosophila</i> rough deal gene affecting RZZ kinetochore function	Biology of the Cell	10.1111/boc.201900105
Bai, Jian; Wioland, Hugo; Advedissian, Tamara; Cuvelier, Frédérique; Romet-Lemonne, Guillaume; Echard, Arnaud	Actin reduction by MsrB2 is a key component of the cytokinetic abscission checkpoint and prevents tetraploidy	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1911629117
Shi, Xiaowen; Chen, Chen; Yang, Hua; Hou, Jie; Ji, Tieming; Cheng, Jianlin; Veitia, Reiner A.; Birchler, James A.	The Gene Balance Hypothesis: Epigenetics and Dosage Effects in Plants	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-0716-0179-2_12
Appanah, Rowin; Lones, Emma Claire; Aiello, Umberto; Libri, Domenico; De Piccoli, Giacomo	Sen1 Is Recruited to Replication Forks via Ctf4 and Mrc1 and Promotes Genome Stability	Cell Reports	10.1016/j.celrep.2020.01.087
Hafsia, Narjès; Forien, Marine; Renaudin, Félix; Delacour, Delphine; Reboul, Pascal; Van Lent, Peter; Cohen-Solal, Martine; Lioté, Frédéric; Poirier, Françoise; Ea, Hang Korng	Galectin 3 Deficiency Alters Chondrocyte Primary Cilium Formation and Exacerbates Cartilage Destruction via Mitochondrial Apoptosis	International Journal of Molecular Sciences	10.3390/ijms21041486
Darrigrand, Jean-François; Valente, Mariana; Comai, Glenda; Martinez, Pauline; Petit, Maxime; Nishinakamura, Ryuichi; Osorio, Daniel S.; Renault, Gilles; Marchiol, Carmen; Ribes, Vanessa; Cadot, Bruno	Dullard-mediated Smad1/5/8 inhibition controls mouse cardiac neural crest cells condensation and outflow tract septation	eLife	10.7554/eLife.50325
Han, Zhong; Jasnovidova, Olga; Haidara, Nouhou; Tudek, Agnieszka; Kubicek, Karel; Libri, Domenico; Stefl, Richard; Porrua, Odil	Termination of non-coding transcription in yeast relies on both an RNA Pol II CTD interaction domain and a CTD-mimicking region in Sen1	The EMBO journal	10.15252/embj.2019101548
Rubin, Thomas; Macaisne, Nicolas; Huynh, Jean-René	Mixing and Matching Chromosomes during Female Meiosis	Cells	10.3390/cells9030696
Renz, Christian; Albanèse, Véronique; Tröster, Vera; Albert, Thomas K.; Santt, Olivier; Jacobs, Susan C.; Khmelinskii, Anton; Léon, Sébastien; Ulrich, Helle D.	Ubc13-Mms2 cooperates with a family of RING E3 proteins in budding yeast membrane protein sorting	Journal of Cell Science	10.1242/jcs.244566
Beauchesne, Claire C.; Chabanon, Morgan; Smaniotta, Benjamin; Ladoux, Benoît; Goyeau, Benoît; David, Bertrand	Channeling Effect and Tissue Morphology in a Perfusion Bioreactor Imaged by X-Ray Microtomography	Tissue Engineering and Regenerative Medicine	10.1007/s13770-020-00246-8

Plan Sangnier, Anouchka; Van de Walle, Aurore; Aufaure, Romain; Fradet, Magali; Motte, Laurence; Guénin, Erwann; Lalatonne, Yoann; Wilhelm, Claire	Endosomal Confinement of Gold Nanospheres, Nanorods, and Nanoraspberries Governs Their Photothermal Identity and Is Beneficial for Cancer Cell Therapy	Advanced Biosystems	10.1002/adbi.201900284
Yang, Xi; Garnier, Florence; Débat, Hélène; Strick, Terence R.; Nadal, Marc	Direct observation of helicase-topoisomerase coupling within reverse gyrase	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1921848117
Bruzzone, Lucia; Argüelles, Camilla; Sanial, Matthieu; Miled, Samia; Alvisi, Giorgia; Gonçalves-Antunes, Marina; Qasrawi, Fairouz; Holmgren, Robert A.; Smibert, Craig A.; Lipshitz, Howard D.; Boccaccio, Graciela L.; Plessis, Anne; Bécam, Isabelle	Regulation of the RNA-binding protein Smaug by the GPCR Smoothened via the kinase Fused	EMBO reports	10.15252/embr.201948425
Govindaraju, Diddahally R.; Innan, Hideki; Veitia, Reiner A.	The Muller's Ratchet and Aging	Trends in genetics: TIG	10.1016/j.tig.2020.02.004
Debernardi, Justine; Pioche-Durieu, Catherine; Cam, Eric Le; Wiels, Joëlle; Robert, Aude	Verotoxin-1-Induced ER Stress Triggers Apoptotic or Survival Pathways in Burkitt Lymphoma Cells	Toxins	10.3390/toxins12050316
Le, Thuy-Linh; Sribudiani, Yunia; Dong, Xiaomin; Huber, Céline; Kois, Chelsea; Baujat, Geneviève; Gordon, Christopher T.; Mayne, Valerie; Galmiche, Louise; Serre, Valérie; Goudin, Nicolas; Zarhrate, Mohammed; Bole-Feysot, Christine; Masson, Cécile; Nitschké, Patrick; Verheijen, Frans W.; Pais, Lynn; Pelet, Anna; Sadedin, Simon; Pugh, John A.; Shur, Natasha; White, Susan M.; El Chehadeh, Salima; Christodoulou, John; Cormier-Daire, Valérie; Hofstra, R. M. W.; Lyonnet, Stanislas; Tan, Tiong Yang; Attié-Bitach, Tania; Kerstjens-Frederikse, Wilhelmina S.; Amiel, Jeanne; Thomas, Sophie	Bi-allelic Variations of SMO in Humans Cause a Broad Spectrum of Developmental Anomalies Due to Abnormal Hedgehog Signaling	American Journal of Human Genetics	10.1016/j.ajhg.2020.04.010
Davidson, Patricia M.; Battistella, Aude; Déjardin, Théophile; Betz, Timo; Plastino, Julie; Borghi, Nicolas; Cadot, Bruno; Sykes, Cécile	Nesprin-2 accumulates at the front of the nucleus during confined cell migration	EMBO reports	10.15252/embr.201949910
Doss, Bryant L.; Pan, Meng; Gupta, Mukund; Greci, Gianluca; Mège, René-Marc; Lim, Chwee Teck; Sheetz, Michael P.; Voituriez, Raphaël; Ladoux, Benoît	Cell response to substrate rigidity is regulated by active and passive cytoskeletal stress	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1917555117
Mukherjee, Richik Nilay; Sallé, Jérémy; Dmitrieff, Serge; Nelson, Katherine M.; Oakey, John; Minc, Nicolas; Levy, Daniel L.	The Perinuclear ER Scales Nuclear Size Independently of Cell Size in Early Embryos	Developmental Cell	10.1016/j.devcel.2020.05.003
Teo, Jessica L.; Gomez, Guillermo A.; Weeratunga, Saroja; Davies, Elizabeth M.; Noordstra, Ivar; Budnar, Srikanth; Katsuno-Kambe, Hiroko; McGrath, Meagan J.; Verma, Suzie; Tomatis, Vanesa; Acharya, Bipul R.; Balasubramaniam, Lakshmi; Templin, Rachel M.; McMahon, Kerrie-Ann; Lee, Yoke Seng; Ju, Robert J.; Stebhens, Samantha J.; Ladoux, Benoit; Mitchell, Christina A.; Collins, Brett M.; Parton, Robert G.; Yap, Alpha S.	Caveolae Control Contractile Tension for Epithelia to Eliminate Tumor Cells	Developmental Cell	10.1016/j.devcel.2020.05.002
Rey, Stéphanie; Maton, Gilliane; Satake, Shin'Ichiro; Llano, Isabel; Kang, Soosung; Surmeier, Dalton James; Silverman, Richard B.; Collin, Thibault	Physiological involvement of presynaptic L-type voltage-dependent calcium channels in GABA release of cerebellar molecular layer interneurons	Journal of Neurochemistry	10.1111/jnc.15100

Brunel, Samantha; Bennett, E. Andrew; Cardin, Laurent; Garraud, Damien; Barrand Emam, H��l��ne; Beylier, Alexandre; Boulestin, Bruno; Chenal, Fanny; Ciesielski, Elsa; Convertini, Fabien; Dedet, Bernard; Desbrosse-Degobertiere, St��phanie; Desenne, Sophie; Dubouloz, Jer��me; Duday, Henri; Escalon, Gilles; Fabre, V��ronique; Gailledrat, Eric; Gandelin, Muriel; Gleize, Yves; Goepfert, S��bastien; Guilaine, Jean; Hachem, Lamys; Ilett, Michael; Lambach, Fran��ois; Maziere, Florent; Perrin, Bertrand; Plouin, Suzanne; Pinard, Estelle; Praud, Ivan; Richard, Isabelle; Riquier, Vincent; Roure, R��jane; Sendra, Benoit; Thevenet, Corinne; Thiol, Sandrine; Vauquelin, Elisabeth; Vergnaud, Luc; Grange, Thierry; Geigl, Eva-Maria; Pruvost, Melanie	Ancient genomes from present-day France unveil 7,000 years of its demographic history	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1918034117
Grentzinger, Thomas; Oberlin, Stefan; Schott, Gregory; Handler, Dominik; Svozil, Julia; Barragan-Borrero, Veronica; Humbert, Adeline; Duharcourt, Sandra; Brennecke, Julius; Voinnet, Olivier	A universal method for the rapid isolation of all known classes of functional silencing small RNAs	Nucleic Acids Research	10.1093/nar/gkaa472
Elzaia, Ma��va; Flatters, Delphine; Sierra-D��az, Diana Carolina; Legois, Berang��re; Laissue, Paul; Veitia, Reiner A.	DHH pathogenic variants involved in 46,XY disorders of sex development differentially impact protein self-cleavage and structural conformation	Human Genetics	10.1007/s00439-020-02189-5
Alvarez-Mora, Maria Isabel; Todeschini, Anne-Laure; Caburet, Sandrine; Perets, Lilach Peled; Mila, Montserrat; Younis, Johnny S.; Shalev, Staviv; Veitia, Reiner A.	An exome-wide exploration of cases of primary ovarian insufficiency uncovers novel sequence variants and candidate genes	Clinical Genetics	10.1111/cge.13803
Mukherjee, Amrita; Brooks, Paul S.; Bernard, Fred; Guichet, Antoine; Conduit, Paul T.	Microtubules originate asymmetrically at the somatic golgi and are guided via Kinesin2 to maintain polarity within neurons	eLife	10.7554/eLife.58943
Villa, Tommaso; Barucco, Mara; Martin-Niclos, Maria-Jose; Jacquier, Alain; Libri, Domenico	Degradation of Non-coding RNAs Promotes Recycling of Termination Factors at Sites of Transcription	Cell Reports	10.1016/j.celrep.2020.107942
Agote-Aran, Arantxa; Schmucker, Stephane; Jerabkova, Katerina; Jmel Boyer, In��s; Berto, Alessandro; Pacini, Laura; Ronchi, Paolo; Kleiss, Charlotte; Guerard, Laurent; Schwab, Yannick; Moine, Herv��; Mandel, Jean-Louis; Jacquemont, Sebastien; Bagni, Claudia; Sumara, Izabela	Spatial control of nucleoporin condensation by fragile X-related proteins	The EMBO journal	10.15252/embj.2020104467
Rode, Nicolas O.; Courtier-Orgogozo, Virginie; D��barre, Florence	Can a Population Targeted by a CRISPR-Based Homing Gene Drive Be Rescued?	G3 (Bethesda, Md.)	10.1534/g3.120.401484
Courtier-Orgogozo, Virginie; Martin, Arnaud	The coding loci of evolution and domestication: current knowledge and implications for bio-inspired genome editing	The Journal of Experimental Biology	10.1242/jeb.208934
Benayoun, B��r��nice A.; Veitia, Reiner A.	Special issue on "Molecular genetics of aging and longevity": a critical time in the field of geroscience	Human Genetics	10.1007/s00439-020-02125-7
Tejedor, Gautier; Laplace-Builh��, B��ryl; Luz-Crawford, Patricia; Assou, Said; Barthelaix, Audrey; Mathieu, Marc; Kissa, Karima; Jorgensen, Christian; Collignon, J��r��me; Chuchana, Paul; Djouad, Farida	Whole embryo culture, transcriptomics and RNA interference identify TBX1 and FGF11 as novel regulators of limb development in the mouse	Scientific Reports	10.1038/s41598-020-60217-w
Xie, Jing; Minc, Nicolas	Cytoskeleton Force Exertion in Bulk Cytoplasm	Frontiers in Cell and Developmental Biology	10.3389/fcell.2020.00069
Petitjean, Michel	Comment on "Bad Language": Resolving some Ambiguities about Chirality	Angewandte Chemie (International Ed. in English)	10.1002/anie.201904314

Le Guennec, Maeva; Klena, Nikolai; Gambarotto, Davide; Laporte, Marine H.; Tassin, Anne-Marie; van den Hoek, Hugo; Erdmann, Philipp S.; Schaffer, Miroslava; Kovacik, Lubomir; Borgers, Susanne; Goldie, Kenneth N.; Stahlberg, Henning; Bornens, Michel; Azimzadeh, Juliette; Engel, Benjamin D.; Hamel, Virginie; Guichard, Paul	A helical inner scaffold provides a structural basis for centriole cohesion	Science Advances	10.1126/sciadv.aaz4137
Borne, Flora; Kovalev, Alexander; Gorb, Stanislav; Courtier-Orgogozo, Virginie	The glue produced by <i>Drosophila melanogaster</i> for pupa adhesion is universal	The Journal of Experimental Biology	10.1242/jeb.220608
Bidel, Luc P. R.; Meyer, Sylvie; Talhouët, Anne-Claire; Baudin, Xavier; Daniel, Caroline; Cazals, Guillaume; Streb, Peter	Epidermal UVA screening capacity measured in situ as an indicator of light acclimation state of leaves of a very plastic alpine plant <i>Soldanella alpina</i> L	Plant physiology and biochemistry: PPB	10.1016/j.plaphy.2020.02.045
Hugo Wioland; Suzuki, Emiko; Cao, Luyan; Romet-Lemonne, Guillaume; Jegou, Antoine	The advantages of microfluidics to study actin biochemistry and biomechanics	Journal of Muscle Research and Cell Motility	10.1007/s10974-019-09564-4
Kaddour, H.; Coppola, E.; Di Nardo, A. A.; Le Poupon, C.; Maily, P.; Wizenmann, A.; Volovitch, M.; Prochiantz, A.; Pierani, A.	Extracellular Pax6 Regulates Tangential Cajal-Retzius Cell Migration in the Developing Mouse Neocortex	Cerebral Cortex (New York, N.Y.: 1991)	10.1093/cercor/bhz098
Talhouët, Anne-Claire; Meyer, Sylvie; Baudin, Xavier; Streb, Peter	Dynamic acclimation to sunlight in an alpine plant, <i>Soldanella alpina</i> L	Physiologia Plantarum	10.1111/ppl.12982
Mukherjee, Amrita; Brooks, Paul S.; Bernard, Fred; Guichet, Antoine; Conduit, Paul T.	Microtubules originate asymmetrically at the somatic golgi and are guided via Kinesin2 to maintain polarity within neurons	eLife	10.7554/eLife.58943
Palenzuela, Héliciane; Lacroix, Benjamin; Sallé, Jérémy; Minami, Katsuhiko; Shima, Tomohiro; Jegou, Antoine; Romet-Lemonne, Guillaume; Minc, Nicolas	In Vitro Reconstitution of Dynein Force Exertion in a Bulk Viscous Medium	Current biology: CB	10.1016/j.cub.2020.08.078
Suzuki, Emiko L.; Chikireddy, Jahnavi; Dmitrieff, Serge; Guichard, Bérengère; Romet-Lemonne, Guillaume; Jégou, Antoine	Geometrical Constraints Greatly Hinder Formin mDia1 Activity	Nano Letters	10.1021/acs.nanolett.9b02241
Dieuleveult, Maud de; Leduc, Marjorie; Salataj, Eralda; Ransy, Céline; Dairou, Julien; Homma, Kengo; Gall, Morgane Le; Bossard, Pascale; Lombès, Anne; Bouillaud, Frédéric; Ferry, Laure; Defossez, Pierre-Antoine; Cadoret, Jean-Charles; Ichijo, Hidenori; Wood, Stephen A.; Guillonnet, François; Dressel, Ralf; Miotto, Benoit	USP9X deubiquitinase couples the pluripotency network and cell metabolism to regulate ESC differentiation potential		10.1101/2020.01.13.904904
Rashka, Charif; Hergalant, Sébastien; Dreumont, Natacha; Oussalah, Abderrahim; Camadro, Jean-Michel; Marchand, Virginie; Hassan, Ziad; Baumgartner, Matthias R; Rosenblatt, David S; Feillet, François; Guéant, Jean-Louis; Flayac, Justine; Coelho, David	Analysis of fibroblasts from patients with cblC and cblG genetic defects of cobalamin metabolism reveals global dysregulation of alternative splicing	Human Molecular Genetics	10.1093/hmg/ddaa027
Prigent, Stéphane R.; Lang, Michael; Nagy, Olga; Acurio, Andrea; Matamoro-Vidal, Alexis; Courtier-Orgogozo, Virginie; David, Jean R.	Field collections reveal that São Tomé is the Afrotropical island with the highest diversity of drosophilid flies (Diptera: Drosophilidae)	Annales de la Société entomologique de France (N.S.)	10.1080/00379271.2019.1703814
Menant, Alexandra; Karess, Roger E.	Mutations in the <i>Drosophila</i> rough deal gene affecting RZZ kinetochore function	Biology of the Cell	10.1111/boc.201900105
Song, Solène; Starunov, Viktor; Bailly, Xavier; Ruta, Christine; Kerner, Pierre; Cornelissen, Annemiek J. M.; Balavoine, Guillaume	Globins in the marine annelid <i>Platynereis dumerilii</i> shed new light on hemoglobin evolution in bilaterians	BMC Evolutionary Biology	10.1186/s12862-020-01714-4
Geigl, Eva-Maria	Une petite phalange réécrit l'histoire évolutive des humains	The Conversation	
Geigl, Eva-Maria	La pré- et protohistoire de l'Europe révélée par la paléogénomique	Histoire de la recherche contemporaine. La revue du Comité pour l'histoire du CNRS	10.4000/hrc.4808
Geigl, Eva-Maria	Qui a habité en France ces 9 000 dernières années ?	The Conversation	
Jackson, Catherine L.; McNiven, Mark A.	The Hepatocellular Secretory Pathway	The Liver	

Velez-Aguilera, Griselda; Nkombo Nkoula, Sylvia; Ossareh-Nazari, Batool; Link, Jana; Paouneskou, Dimitra; Van Hove, Lucie; Joly, Nicolas; Tavernier, Nicolas; Verbavatz, Jean-Marc; Jantsch, Verena; Pintard, Lionel	PLK-1 promotes the merger of the parental genome into a single nucleus by triggering lamina disassembly	eLife	10.7554/eLife.59510
Konstantinides, Nikolaos; Desplan, Claude	Neuronal differentiation strategies: insights from single-cell sequencing and machine learning	Development	10.1242/dev.193631
Xi, Wang; Delacour, Delphine; Ladoux, Benoit	Designer substrates and devices for mechanobiology study	Journal of Semiconductors	10.1088/1674-4926/41/4/041607
Khataee, Hamid; Czirok, Andras; Neufeld, Zoltan	Multiscale modelling of motility wave propagation in cell migration	Scientific Reports	10.1038/s41598-020-63506-6
Bruzzone, Lucia; Argüelles, Camilla; Sanial, Matthieu; Miled, Samia; Alvisi, Giorgia; Gonçalves-Antunes, Marina; Qasrawi, Fairouz; Holmgren, Robert A; Smibert, Craig A; Lipshitz, Howard D; Boccaccio, Graciela L; Plessis, Anne; Bécam, Isabelle	Regulation of the RNA-binding protein Smaug by the GPCR Smoothened via the kinase Fused	EMBO reports	10.15252/embr.201948425
Clément, Yves; Torbey, Patrick; Gilardi-Hebenstreit, Pascale; Crolius, Hugues Roest	Enhancer–gene maps in the human and zebrafish genomes using evolutionary linkage conservation	Nucleic Acids Research	10.1093/nar/gkz1199
Innan, Hideki; Veitia, Reiner; Govindaraju, Diddahally R.	Genetic and epigenetic Muller’s ratchet as a mechanism of frailty and morbidity during aging: a demographic genetic model	Human Genetics	10.1007/s00439-019-02067-9
Veitia, Reiner A.	Primary ovarian insufficiency, meiosis and DNA repair	Biomedical Journal	10.1016/j.bj.2020.03.005
Acurio, Andrea E.; Rhebergen, Flor T.; Paulus, Sarah; Courtier-Orgogozo, Virginie; Lang, Michael	Repeated evolution of asymmetric genitalia and right-sided mating behavior in the Drosophila nannoptera species group	BMC evolutionary biology	10.1186/s12862-019-1434-z
Dilsizoglu Senol, Aysegul; Tagliafierro, Lidia; Gorisse-Hussonnois, Lucie; Rebeillard, Florian; Hugué, Léa; Geny, David; Contremoulins, Vincent; Corlier, Fabian; Potier, Marie-Claude; Chasseigneaux, Stéphanie; Darmon, Michèle; Allinquant, Bernadette	Protein interacting with Amyloid Precursor Protein tail-1 (PAT1) is involved in early endocytosis	Cellular and molecular life sciences: CMLS	10.1007/s00018-019-03157-7
Veitia, Reiner A.	DNA Content, Cell Size, and Cell Senescence	Trends in Biochemical Sciences	10.1016/j.tibs.2019.04.013
Kuony, Alison; Ikkala, Kaisa; Kalha, Solja; Magalhães, Ana Cathia; Pirttiniemi, Anniina; Michon, Frederic	Ectodysplasin-A signaling is a key integrator in the lacrimal gland-cornea feedback loop	Development (Cambridge, England)	10.1242/dev.176693
Yeo, Mei Shi; Subhash, Vinod Vijay; Suda, Kazuto; Balcioglu, Hayri Emrah; Zhou, Siqin; Thuya, Win Lwin; Loh, Xin Yi; Jammula, Sriganesh; Peethala, Praveen C.; Tan, Shi Hui; Xie, Chen; Wong, Foong Ying; Ladoux, Benoit; Ito, Yoshiaki; Yang, Henry; Goh, Boon Cher; Wang, Lingzhi; Yong, Wei Peng	FBXW5 Promotes Tumorigenesis and Metastasis in Gastric Cancer via Activation of the FAK-Src Signaling Pathway	Cancers	10.3390/cancers11060836
Hu, Shiqiong; Grobe, Hanna; Guo, Zhenhuan; Wang, Yu-Hsiu; Doss, Bryant L.; Pan, Meng; Ladoux, Benoit; Bershadsky, Alexander D.; Zaidel-Bar, Ronen	Reciprocal regulation of actomyosin organization and contractility in nonmuscle cells by tropomyosins and alpha-actinins	Molecular Biology of the Cell	10.1091/mbc.E19-02-0082
Frapparti, Andrea; Miró Pina, Caridad; Arnaiz, Olivier; Holoch, Daniel; Kawaguchi, Takayuki; Humbert, Adeline; Eleftheriou, Evangelia; Lombard, Bérange; Loew, Damaris; Sperling, Linda; Guitot, Karine; Margueron, Raphaël; Duharcourt, Sandra	The Polycomb protein Ezh1 mediates H3K9 and H3K27 methylation to repress transposable elements in Paramecium	Nature Communications	10.1038/s41467-019-10648-5
Duval, Nathalie; Vaslin, Célia; Barata, Tiago C.; Frarma, Youcef; Contremoulins, Vincent; Baudin, Xavier; Nedelec, Stéphane; Ribes, Vanessa C.	BMP4 patterns Smad activity and generates stereotyped cell fate organization in spinal organoids	Development (Cambridge, England)	10.1242/dev.175430
Sanchez-Guzman, Daniel; Le Guen, Pierre; Villeret, Berengere; Sola, Nuria; Le Borgne, Remi; Guyard, Alice; Kemmel, Alix; Crestani, Bruno; Sallenave, Jean-Michel; Garcia-Verdugo, Ignacio	Silver nanoparticle-adjuvanted vaccine protects against lethal influenza infection through inducing BAL2 and IgA-mediated mucosal immunity	Biomaterials	10.1016/j.biomaterials.2019.119308

Davì, Valeria; Chevalier, Louis; Guo, Haotian; Tanimoto, Hirokazu; Barrett, Katia; Couturier, Etienne; Boudaoud, Arezki; Minc, Nicolas	Systematic mapping of cell wall mechanics in the regulation of cell morphogenesis	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1820455116
Cabral, Gabriela; Laos, Triin; Dumont, Julien; Dammermann, Alexander	Differential Requirements for Centrioles in Mitotic Centrosome Growth and Maintenance	Developmental Cell	10.1016/j.devcel.2019.06.004
Peyret, Grégoire; Mueller, Romain; d'Alessandro, Joseph; Begnaud, Simon; Marcq, Philippe; Mège, René-Marc; Yeomans, Julia M.; Doostmohammadi, Amin; Ladoux, Benoît	Sustained Oscillations of Epithelial Cell Sheets	Biophysical Journal	10.1016/j.bpj.2019.06.013
Perea-Gomez, Aitana; Cases, Olivier; Lelièvre, Vincent; Pulina, Maria V.; Collignon, Jérôme; Hadjantonakis, Anna-Katerina; Kozyraki, Renata	Loss of Cubilin, the intrinsic factor-vitamin B12 receptor, impairs visceral endoderm endocytosis and endodermal patterning in the mouse	Scientific Reports	10.1038/s41598-019-46559-0
Lelandais, Gaëlle; Denecker, Thomas; Garcia, Camille; Danila, Nicolas; Léger, Thibaut; Camadro, Jean-Michel	Label-free quantitative proteomics in Candida yeast species: technical and biological replicates to assess data reproducibility	BMC research notes	10.1186/s13104-019-4505-8
Alieva, N. O.; Efremov, A. K.; Hu, S.; Oh, D.; Chen, Z.; Natarajan, M.; Ong, H. T.; Jégou, A.; Romet-Lemonne, G.; Groves, J. T.; Sheetz, M. P.; Yan, J.; Bershadsky, A. D.	Myosin IIA and formin dependent mechanosensitivity of filopodia adhesion	Nature Communications	10.1038/s41467-019-10964-w
Nguyen, Thao; Duchesne, Laurence; Sankara Narayana, Gautham Hari Narayana; Boggetto, Nicole; Fernig, David D.; Uttamrao Murade, Chandrashekhar; Ladoux, Benoit; Mège, René-Marc	Enhanced cell-cell contact stability and decreased N-cadherin-mediated migration upon fibroblast growth factor receptor-N-cadherin cross talk	Oncogene	10.1038/s41388-019-0875-6
Bosch-Fortea, Minerva; Rodriguez-Fraticelli, Alejo E.; Herranz, Gonzalo; Hachimi, Mariam; Barea, Maria D.; Young, Joanne; Ladoux, Benoit; Martin-Belmonte, Fernando	Micropattern-based platform as a physiologically relevant model to study epithelial morphogenesis and nephrotoxicity	Biomaterials	10.1016/j.biomaterials.2019.119339
Kubik, Slawomir; Bruzzone, Maria Jessica; Challal, Drice; Dreos, René; Mattarocci, Stefano; Bucher, Philipp; Libri, Domenico; Shore, David	Opposing chromatin remodelers control transcription initiation frequency and start site selection	Nature Structural & Molecular Biology	10.1038/s41594-019-0273-3
El Banna, Nadine; Hatem, Elie; Heneman-Masurel, Amélie; Léger, Thibaut; Baille, Dorothée; Vernis, Laurence; Garcia, Camille; Martineau, Sylvain; Dupuy, Corinne; Vagner, Stéphan; Camadro, Jean-Michel; Huang, Meng-Er	Redox modifications of cysteine-containing proteins, cell cycle arrest and translation inhibition: Involvement in vitamin C-induced breast cancer cell death	Redox Biology	10.1016/j.redox.2019.101290
Rice, Gavin; David, Jean R.; Kamimura, Yoshitaka; Masly, John P.; Mcgregor, Alistair P.; Nagy, Olga; Noselli, Stéphane; Nunes, Maria Daniela Santos; O'Grady, Patrick; Sánchez-Herrero, Ernesto; Siegal, Mark L.; Toda, Masanori J.; Rebeiz, Mark; Courtier-Orgogozo, Virginie; Yassin, Amir	A standardized nomenclature and atlas of the male terminalia of Drosophila melanogaster	Fly	10.1080/19336934.2019.1653733
Plan Sangnier, Anouchka; Van de Walle, Aurore B.; Curcio, Alberto; Le Borgne, Rémi; Motte, Laurence; Lalatonne, Yoann; Wilhelm, Claire	Impact of magnetic nanoparticle surface coating on their long-term intracellular biodegradation in stem cells	Nanoscale	10.1039/c9nr05624f
Lipp, Nicolas-Frédéric; Gautier, Romain; Magdeleine, Maud; Renard, Maxime; Albanèse, Véronique; Čopič, Alenka; Drin, Guillaume	An electrostatic switching mechanism to control the lipid transfer activity of Osh6p	Nature Communications	10.1038/s41467-019-11780-y
Bennett, E. Andrew; Crevecoeur, Isabelle; Viola, Bence; Derevianko, Anatoly P.; Shunkov, Michael V.; Grange, Thierry; Maureille, Bruno; Geigl, Eva-Maria	Morphology of the Denisovan phalanx closer to modern humans than to Neanderthals	Science Advances	10.1126/sciadv.aaw3950
Defenouillère, Quentin; Verraes, Agathe; Laussel, Clotilde; Friedrich, Anne; Schacherer, Joseph; Léon, Sébastien	The induction of HAD-like phosphatases by multiple signaling pathways confers resistance to the metabolic inhibitor 2-deoxyglucose	Science Signaling	10.1126/scisignal.aaw8000

Heuzé, Mélina L.; Sankara Narayana, Gautham Hari Narayana; D'Alessandro, Joseph; Cellierin, Victor; Dang, Tien; Williams, David S.; Van Hest, Jan Cm; Marcq, Philippe; Mège, René-Marc; Ladoux, Benoit	Myosin II isoforms play distinct roles in adherens junction biogenesis	eLife	10.7554/eLife.46599
Jobin, Marie-Lise; Vamparys, Lydie; Deniau, Romain; Grélard, Axelle; Mackereth, Cameron D.; Fuchs, Patrick F. J.; Alves, Isabel D.	Biophysical Insight on the Membrane Insertion of an Arginine-Rich Cell-Penetrating Peptide	International Journal of Molecular Sciences	10.3390/ijms20184441
Kostrz, Dorota; Wayment-Steele, Hannah K.; Wang, Jing L.; Follenfant, Maryne; Pande, Vijay S.; Strick, Terence R.; Gosse, Charlie	A modular DNA scaffold to study protein-protein interactions at single-molecule resolution	Nature Nanotechnology	10.1038/s41565-019-0542-7
Mardenborough, Yannicka S. N.; Nitsenko, Katerina; Laffeber, Charlie; Duboc, Camille; Sahin, Enes; Quessada-Vial, Audrey; Winterwerp, Herrie H. K.; Sixma, Titia K.; Kanaar, Roland; Friedhoff, Peter; Strick, Terence R.; Lebbink, Joyce H. G.	The unstructured linker arms of MutL enable GATC site incision beyond roadblocks during initiation of DNA mismatch repair	Nucleic Acids Research	10.1093/nar/gkz834
Sanchez David, Raul Y.; Combredet, Chantal; Najburg, Valérie; Millot, Gael A.; Beauclair, Guillaume; Schwikowski, Benno; Léger, Thibaut; Camadro, Jean-Michel; Jacob, Yves; Bellalou, Jacques; Jouvenet, Nolwenn; Tangy, Frédéric; Komarova, Anastassia V.	LGP2 binds to PACT to regulate RIG-I- and MDA5-mediated antiviral responses	Science Signaling	10.1126/scisignal.aar3993
Nguyen, Ha Anh; Jupin, Isabelle; Decorse, Philippe; Lau-Truong, Stephanie; Ammar, Souad; Ha-Duong, Nguyet-Thanh	Assembly of gold nanoparticles using turnip yellow mosaic virus as an in-solution SERS sensor	RSC advances	10.1039/c9ra08015e
Yvernogeu, Laurent; Gautier, Rodolphe; Petit, Laurence; Khoury, Hanane; Relaix, Frédéric; Ribes, Vanessa; Sang, Helen; Charbord, Pierre; Souyri, Michèle; Robin, Catherine; Jaffredo, Thierry	In vivo generation of haematopoietic stem/progenitor cells from bone marrow-derived haemogenic endothelium	Nature Cell Biology	10.1038/s41556-019-0410-6
Fernandez, Juliette; Machado, Anthony K.; Lyonnais, Sébastien; Chamontin, Célia; Gärtner, Kathleen; Léger, Thibaut; Henriquet, Corinne; Garcia, Camille; Portilho, Débora M.; Pugnière, Martine; Chaloin, Laurent; Muriaux, Delphine; Yamauchi, Yohei; Blaise, Mickaël; Nisole, Sébastien; Arhel, Nathalie J.	Transportin-1 binds to the HIV-1 capsid via a nuclear localization signal and triggers uncoating	Nature Microbiology	10.1038/s41564-019-0575-6
Arai, Yoko; Cwetsch, Andrzej W.; Coppola, Eva; Cipriani, Sara; Nishihara, Hidenori; Kanki, Hiroaki; Saillour, Yoann; Freret-Hodara, Betty; Dutriaux, Annie; Okada, Norihiro; Okano, Hideyuki; Dehay, Colette; Nardelli, Jeannette; Gressens, Pierre; Shimogori, Tomomi; D'Onofrio, Giuseppe; Pierani, Alessandra	Evolutionary Gain of Dbx1 Expression Drives Subplate Identity in the Cerebral Cortex	Cell Reports	10.1016/j.celrep.2019.09.007
Veitia, Reiner A.	MIRAGE Syndrome: Phenotypic Rescue by Somatic Mutation and Selection	Trends in Molecular Medicine	10.1016/j.molmed.2019.08.008
Bouillier, Camille; Cosentino, Gina; Léger, Thibaut; Rincheval, Vincent; Richard, Charles-Adrien; Desquesnes, Aurore; Sitterlin, Delphine; Blouquit-Laye, Sabine; Eléouët, Jean-Francois; Gault, Elyanne; Rameix-Welti, Marie-Anne	The Interactome analysis of the Respiratory Syncytial Virus protein M2-1 suggests a new role in viral mRNA metabolism post-transcription	Scientific Reports	10.1038/s41598-019-51746-0
Prud'homme, Mathilde; Coutrot, Maxime; Michel, Thibault; Boutin, Louis; Genest, Magali; Poirier, Françoise; Launay, Jean-Marie; Kane, Bocar; Kinugasa, Satoshi; Prakoura, Niki; Vandermeersch, Sophie; Cohen-Solal, Alain; Delcayre, Claude; Samuel, Jane-Lise; Mehta, Ravindra; Gayat, Etienne; Mebazaa, Alexandre; Chadjichristos, Christos E.; Legrand, Matthieu	Acute Kidney Injury Induces Remote Cardiac Damage and Dysfunction Through the Galectin-3 Pathway	JACC. Basic to translational science	10.1016/j.jacbts.2019.06.005

Basquin, Cyril; Ershov, Dmitry; Gaudin, Noémie; Vu, Hanh Thi-Kim; Louis, Bruno; Papon, Jean-François; Orfila, Anne-Marie; Mansour, Sarah; Rink, Jochen Christian; Azimzadeh, Juliette	Emergence of a Bilaterally Symmetric Pattern from Chiral Components in the Planarian Epidermis	Developmental Cell	10.1016/j.devcel.2019.10.021
Vu, Hanh Thi-Kim; Mansour, Sarah; Kücken, Michael; Blasse, Corinna; Basquin, Cyril; Azimzadeh, Juliette; Myers, Eugene Wimberly; Bruschi, Lutz; Rink, Jochen Christian	Dynamic Polarization of the Multiciliated Planarian Epidermis between Body Plan Landmarks	Developmental Cell	10.1016/j.devcel.2019.10.022
Kotila, Tommi; Wioland, Hugo; Enkavi, Giray; Kogan, Konstantin; Vattulainen, Ilpo; Jégou, Antoine; Romet-Lemonne, Guillaume; Lappalainen, Pekka	Mechanism of synergistic actin filament pointed end depolymerization by cyclase-associated protein and cofilin	Nature Communications	10.1038/s41467-019-13213-2
Gosse, Charlie; Strick, Terence R.; Kostrz, Dorota	Molecular scaffolds: when DNA becomes the hardware for single-molecule investigations	Current Opinion in Chemical Biology	10.1016/j.cbpa.2019.09.006
Fragaki, Konstantina; Chaussonnet, Annabelle; Serre, Valerie; Acquaviva, Cecile; Bannwarth, Sylvie; Rouzier, Cecile; Chabrol, Brigitte; Paquis-Flucklinger, Veronique	A novel variant m.8561C>T in the overlapping region of MT-ATP6 and MT-ATP8 in a child with early-onset severe neurological signs	Molecular Genetics and Metabolism Reports	10.1016/j.ymgmr.2019.100543
Riva, Martina; Genescu, Ioana; Habermacher, Chloé; Orduz, David; Ledonne, Fanny; Rijli, Filippo M.; López-Bendito, Guillermina; Coppola, Eva; Garel, Sonia; Angulo, Maria Cecilia; Pierani, Alessandra	Activity-dependent death of transient Cajal-Retzius neurons is required for functional cortical wiring	eLife	10.7554/eLife.50503
Quimette, J.-F.; Rougeulle, C.; Veitia, R. A.	Three-dimensional genome architecture in health and disease	Clinical Genetics	10.1111/cge.13219
Lebsir, Nadjat; Goueslain, Lucie; Farhat, Rayan; Callens, Nathalie; Dubuisson, Jean; Jackson, Catherine L.; Rouillé, Yves	Functional and Physical Interaction between the Arf Activator GBF1 and Hepatitis C Virus NS3 Protein	Journal of Virology	10.1128/JVI.01459-18
Fonte, Coralie; Kaminski, Sandra; Vanet, Anne; Lanfumey, Laurence; Cohen-Salmon, Charles; Ghislin, Stéphanie; Fripiat, Jean-Pol	Socioenvironmental stressors encountered during spaceflight partially affect the murine TCR- β repertoire and increase its self-reactivity	FASEB journal: official publication of the Federation of American Societies for Experimental Biology	10.1096/fj.201800969R
Planques, Anabelle; Malem, Julien; Parapar, Julio; Vervoort, Michel; Gazave, Eve	Morphological, cellular and molecular characterization of posterior regeneration in the marine annelid <i>Platynereis dumerilii</i>	Developmental Biology	10.1016/j.ydbio.2018.11.004
Wioland, Hugo; Jegou, Antoine; Romet-Lemonne, Guillaume	Quantitative Variations with pH of Actin Depolymerizing Factor/Cofilin's Multiple Actions on Actin Filaments	Biochemistry	10.1021/acs.biochem.8b01001
Sallé, Jérémy; Xie, Jing; Ershov, Dmitry; Lacassin, Milan; Dmitrieff, Serge; Minc, Nicolas	Asymmetric division through a reduction of microtubule centering forces	The Journal of Cell Biology	10.1083/jcb.201807102
Perrier, Aurélie; Eluard, Matthias; Petitjean, Michel; Vanet, Anne	In Silico Design of New Inhibitors Against Hemagglutinin of Influenza	The Journal of Physical Chemistry. B	10.1021/acs.jpcc.8b10767
Collot, Mayeul; Bou, Sophie; Fam, Tkhe Kyong; Richert, Ludovic; Mély, Yves; Danglot, Lydia; Klymchenko, Andrey S.	Probing Polarity and Heterogeneity of Lipid Droplets in Live Cells Using a Push-Pull Fluorophore	Analytical Chemistry	10.1021/acs.analchem.8b04218
Blin, Marion; Le Tallec, Benoît; Nähse, Viola; Schmidt, Mélanie; Brossas, Caroline; Millot, Gael A.; Prioleau, Marie-Noëlle; Debatisse, Michelle	Transcription-dependent regulation of replication dynamics modulates genome stability	Nature Structural & Molecular Biology	10.1038/s41594-018-0170-1
Pintard, Lionel; Bowerman, Bruce	Mitotic Cell Division in <i>Caenorhabditis elegans</i>	Genetics	10.1534/genetics.118.301367
Veitia, Reiner A.	AFF3: a new player in maintaining XIST monoallelic expression	Journal of Molecular Cell Biology	10.1093/jmcb/mjy082
Letort, Gaele; Bennabi, Isma; Dmitrieff, Serge; Nedelec, François; Verlhac, Marie-Hélène; Terret, Marie-Emilie	A computational model of the early stages of acentriolar meiotic spindle assembly	Molecular Biology of the Cell	10.1091/mbc.E18-10-0644

Klein, Hannah L.; Ang, Kenny K. H.; Arkin, Michelle R.; Beckwitt, Emily C.; Chang, Yi-Hsuan; Fan, Jun; Kwon, Youngho; Morten, Michael J.; Mukherjee, Sucheta; Pambos, Oliver J.; El Sayyed, Hafez; Thrall, Elizabeth S.; Vieira-da-Rocha, João P.; Wang, Quan; Wang, Shuang; Yeh, Hsin-Yi; Biteen, Julie S.; Chi, Peter; Heyer, Wolf-Dietrich; Kapanidis, Achillefs N.; Loparo, Joseph J.; Strick, Terence R.; Sung, Patrick; Van Houten, Bennett; Niu, Hengyao; Rothenberg, Eli	Guidelines for DNA recombination and repair studies: Mechanistic assays of DNA repair processes	Microbial Cell (Graz, Austria)	10.15698/mic2019.01.665
Tatjana; Ballinger, Matthew J.; Bente, Dennis A.; Beer, Martin; Bergeron, Éric; Blair, Carol D.; Briese, Thomas; Buchmeier, Michael J.; Burt, Felicity J.; Calisher, Charles H.; Charrel, Rémi N.; Choi, Il Ryong; Clegg, J. Christopher S.; de la Torre, Juan Carlos; de Lamballerie, Xavier; DeRisi, Joseph L.; Digiaro, Michele; Drebot, Mike; Ebihara, Hideki; Elbeaino, Toufic; Ergünay, Koray; Fulhorst, Charles F.; Garrison, Aura R.; Gão, George Fú; Gonzalez, Jean-Paul J.; Groschup, Martin H.; Günther, Stephan; Haenni, Anne-Lise; Hall, Roy A.; Hewson, Roger; Hughes, Holly R.; Jain, Rakesh K.; Jonson, Miranda Gilda; Junglen, Sandra; Klempa, Boris; Klingström, Jonas; Kormelink, Richard; Lambert, Amy J.; Langevin, Stanley A.; Lukashovich, Igor S.; Marklewitz, Marco; Martelli, Giovanni P.; Mielke-Ehret, Nicole; Mirazimi, Ali; Mühlbach, Hans-Peter; Naidu, Rayapati; Nunes, Márcio Roberto Teixeira; Palacios, Gustavo; Papa, Anna; Pawęska, Janusz T.; Peters, Clarence J.; Plyusnin, Alexander; Radoshitzky, Sheli R.; Resende, Renato O.; Romanowski, Víctor; Sall, Amadou Alpha; Salvato, Maria S.; Sasaya, Takahide; Schmaljohn, Connie; Shí, Xiǎohóng; Shirako, Yukio; Simmonds, Peter; Sironi, Manuela; Song, Jin-Won; Spengler, Jessica R.; Stenglein, Mark D.; Tesh, Robert B.; Turina, Massimo; Wèi, Tàiyún;	Taxonomy of the order Bunyavirales: second update 2018	Archives of Virology	10.1007/s00705-018-04127-3
Veitia, Reiner A.	Further quantitative insights into the decrease of heteroplasmy of m.3243A>G with age in leukocytes	Clinical Genetics	10.1111/cge.13496
Jouette, Julie; Guichet, Antoine; Claret, Sandra B.	Dynein-mediated transport and membrane trafficking control PAR3 polarised distribution	eLife	10.7554/eLife.40212
Wioland, Hugo; Jegou, Antoine; Romet-Lemonne, Guillaume	Torsional stress generated by ADF/cofilin on cross-linked actin filaments boosts their severing	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1812053116
Cianciolo Cosentino, Chiara; Berto, Alessandro; Pelletier, Stéphane; Hari, Michelle; Loffing, Johannes; Neuhauss, Stephan C. F.; Doye, Valérie	Moderate Nucleoporin 133 deficiency leads to glomerular damage in zebrafish	Scientific Reports	10.1038/s41598-019-41202-4
Caburet, Sandrine; Todeschini, Anne-Laure; Petrillo, Cynthia; Martini, Emmanuelle; Farran, Nada D.; Legois, Bérange; Livera, Gabriel; Younis, Johnny S.; Shalev, Stavit; Veitia, Reiner A.	A truncating MEIOB mutation responsible for familial primary ovarian insufficiency abolishes its interaction with its partner SPATA22 and their recruitment to DNA double-strand breaks	EBioMedicine	10.1016/j.ebiom.2019.03.075
Renaudin, Felix; Sarda, Stéphanie; Campillo-Gimenez, Laure; Séverac, Childéric; Léger, Thibaut; Charvillat, Cédric; Rey, Christian; Lioté, Frédéric; Camadro, Jean-Michel; Ea, Hang-Korng; Combes, Christèle	Adsorption of Proteins on m-CPPD and Urate Crystals Inhibits Crystal-induced Cell Responses: Study on Albumin-crystal Interaction	Journal of Functional Biomaterials	10.3390/jfb10020018
Massarweh, Ahmad; Bosco, Michael; Chantret, Isabelle; Léger, Thibaut; Jamal, Layla; Roper, David I.; Dowson, Christopher G.; Busca, Patricia; Bouhss, Ahmed; Gravier-Pelletier, Christine; Moore, Stuart E. H.	Bacterial Lipid II Analogs: Novel In Vitro Substrates for Mammalian Oligosaccharyl Diphosphodolichol Diphosphatase (DLODP) Activities	Molecules (Basel, Switzerland)	10.3390/molecules24112135

Strick, T. R.; Portman, J. R.	Transcription-Coupled Repair: From Cells to Single Molecules and Back Again	Journal of Molecular Biology	10.1016/j.jmb.2019.05.040
Franke, Christian; Repnik, Urska; Segeletz, Sandra; Brouilly, Nicolas; Kalaidzidis, Yannis; Verbavatz, Jean-Marc; Zerial, Marino	Correlative single-molecule localization microscopy and electron tomography reveals endosome nanoscale domains	Traffic (Copenhagen, Denmark)	10.1111/tra.12671
Da Lage, Jean-Luc; Thomas, Gregg W. C.; Bonneau, Magalie; Courtier-Orgogozo, Virginie	Evolution of salivary glue genes in Drosophila species	BMC evolutionary biology	10.1186/s12862-019-1364-9
Bossenmeyer-Pourié, Carine; Smith, A. David; Lehmann, Sylvain; Deramecourt, Vincent; Sablonnière, Bernard; Camadro, Jean-Michel; Pourié, Grégory; Kerek, Racha; Helle, Deborah; Umoret, Remy; Guéant-Rodriguez, Rosa-Maria; Rigau, Valérie; Gabelle, Audrey; Sequeira, Jeffrey M.; Quadros, Edward V.; Daval, Jean-Luc; Guéant, Jean-Louis	N-homocysteinylation of tau and MAP1 is increased in autopsy specimens of Alzheimer's disease and vascular dementia	The Journal of Pathology	10.1002/path.5254
Gobé, Clara; Elzaiat, Maëva; Meunier, Nicolas; André, Marjolaine; Sellem, Eli; Congar, Patrice; Jouneau, Luc; Allais-Bonnet, Aurélie; Naciri, Ikrame; Passet, Bruno; Pailhoux, Eric; Pannetier, Maëlle	Dual role of DMXL2 in olfactory information transmission and the first wave of spermatogenesis	PLoS genetics	10.1371/journal.pgen.1007909
Ershov, Dmitry; Minc, Nicolas	Modeling Embryonic Cleavage Patterns	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-4939-9009-2_24
Collot, Mayeul; Ashokkumar, Pichandi; Anton, Halina; Boutant, Emmanuel; Faklaris, Orestis; Galli, Thierry; Mély, Yves; Danglot, Lydia; Klymchenko, Andrey S.	MemBright: A Family of Fluorescent Membrane Probes for Advanced Cellular Imaging and Neuroscience	Cell Chemical Biology	10.1016/j.chembiol.2019.01.009
Gupta, Mukund; Doss, Bryant L.; Kocgozlu, Leyla; Pan, Meng; Mège, René-Marc; Callan-Jones, Andrew; Voituriez, Raphaël; Ladoux, Benoît	Cell shape and substrate stiffness drive actin-based cell polarity	Physical Review. E	10.1103/PhysRevE.99.012412
Veitia, Reiner A.	Darwinian selection within an individual or somatic selection: facts and models	Journal of Molecular Cell Biology	10.1093/jmcb/mjz014
D'Ambrosio, Juan Martín; Albanèse, Véronique; Čopič, Alenka	Following Anterograde Transport of Phosphatidylserine in Yeast in Real Time	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-4939-9136-5_4
Han, Thi Hong Lien; Camadro, Jean-Michel; Barbault, Florent; Santos, Renata; El Hage Chahine, Jean-Michel; Ha-Duong, Nguyet-Thanh	In Vitro interaction between yeast frataxin and superoxide dismutases: Influence of mitochondrial metals	Biochimica Et Biophysica Acta. General Subjects	10.1016/j.bbagen.2019.02.011
Benkaidali, Lydia; André, François; Moroy, Gautier; Tangour, Bahoueddine; Maurel, François; Petitjean, Michel	Four Major Channels Detected in the Cytochrome P450 3A4: A Step toward Understanding Its Multispecificity	International Journal of Molecular Sciences	10.3390/ijms20040987
Pondeville, Emilie; Puchot, Nicolas; Lang, Michael; Cherrier, Floriane; Schaffner, Francis; Dauphin-Villemant, Chantal; Bischoff, Emmanuel; Bourgouin, Catherine	Evolution of sexually-transferred steroids and mating-induced phenotypes in Anopheles mosquitoes	Scientific Reports	10.1038/s41598-019-41094-4
Gauquelin, Estelle; Tlili, Sham; Gay, Cyprien; Peyret, Grégoire; Mège, René-Marc; Fardin, Marc A.; Ladoux, Benoît	Influence of proliferation on the motions of epithelial monolayers invading adherent strips	Soft Matter	10.1039/c9sm00105k
Andrade-Restrepo, Martín; Champagnat, Nicolas; Ferrière, Régis	Local adaptation, dispersal evolution, and the spatial eco-evolutionary dynamics of invasion	Ecology Letters	10.1111/ele.13234
Massip, Florian; Laurent, Marc; Brossas, Caroline; Fernández-Justel, José Miguel; Gómez, María; Prioleau, Marie-Noëlle; Duret, Laurent; Picard, Franck	Evolution of replication origins in vertebrate genomes: rapid turnover despite selective constraints	Nucleic Acids Research	10.1093/nar/gkz182
Duriez, Bénédicte; Chilaka, Sabarinadh; Bercher, Jean-François; Hercul, Eslande; Prioleau, Marie-Noëlle	Replication dynamics of individual loci in single living cells reveal changes in the degree of replication stochasticity through S phase	Nucleic Acids Research	10.1093/nar/gkz220
Métivier, Mathieu; Monroy, Brigitte Y.; Gallaud, Emmanuel; Caous, Renaud; Pascal, Aude; Richard-Parpaillon, Laurent; Guichet, Antoine; Ori-McKenney, Kassandra M.; Giet, Régis	Dual control of Kinesin-1 recruitment to microtubules by Ensconsin in Drosophila neuroblasts and oocytes	Development (Cambridge, England)	10.1242/dev.171579

Chevalier, Nicolas R.; Dacher, Nicolas; Jacques, Cécile; Langlois, Lucas; Guedj, Chloé; Faklaris, Orestis	Embryogenesis of the peristaltic reflex	The Journal of Physiology	10.1113/JP277746
Denecker, Thomas; Durand, William; Maupetit, Julien; Hébert, Charles; Camadro, Jean-Michel; Poulain, Pierre; Lelandais, Gaëlle	Pixel: a content management platform for quantitative omics data	PeerJ	10.7717/peerj.6623
Wang, S.; Han, Z.; Libri, D.; Porrua, O.; Strick, T. R.	Single-molecule characterization of extrinsic transcription termination by Sen1 helicase	Nature Communications	10.1038/s41467-019-09560-9
Chen, Tianchi; Callan-Jones, Andrew; Fedorov, Eduard; Ravasio, Andrea; Brugués, Agustí; Ong, Hui Ting; Toyama, Yusuke; Low, Boon Chuan; Trepát, Xavier; Shemesh, Tom; Voiturez, Raphaël; Ladoux, Benoît	Large-scale curvature sensing by directional actin flow drives cellular migration mode switching	Nature Physics	10.1038/s41567-018-0383-6
Elzaiat, Maëva; Herman, Laetitia; Legois, Bérangère; Léger, Thibaut; Todeschini, Anne-Laure; Veitia, Reiner A.	High-throughput Exploration of the Network Dependent on AKT1 in Mouse Ovarian Granulosa Cells	Molecular & cellular proteomics: MCP	10.1074/mcp.RA119.0014613
Rouzier, Cécile; Chaussonot, Annabelle; Fragaki, Konstantina; Serre, Valérie; Ait-El-Mkadem, Samira; Richelme, Christian; Paquis-Flucklinger, Véronique; Bannwarth, Sylvie	NDUFS6 related Leigh syndrome: a case report and review of the literature	Journal of Human Genetics	10.1038/s10038-019-0594-4
Infantino, Valentina; Tutucci, Evelina; Yeh Martin, Noël; Zihlmann, Audrey; Garcia-Molinero, Varinia; Silvano, Géraldine; Palancade, Benoit; Stutz, Françoise	The mRNA export adaptor Yra1 contributes to DNA double-strand break repair through its C-box domain	PloS One	10.1371/journal.pone.0206336
Birchler, James A.; Veitia, Reiner A.	Genomic Balance and Speciation	Epigenetics Insights	10.1177/2516865719840291
Audugé, Nicolas; Padilla-Parra, Sergi; Tramier, Marc; Borghi, Nicolas; Coppey-Moisán, Maïté	Chromatin condensation fluctuations rather than steady-state predict chromatin accessibility	Nucleic Acids Research	10.1093/nar/gkz373
Sergey V.; Avšič-Županc, Tatjana; Ballinger, Matthew J.; Bente, Dennis A.; Beer, Martin; Bergeron, Éric; Blair, Carol D.; Briese, Thomas; Buchmeier, Michael J.; Burt, Felicity J.; Calisher, Charles H.; Cháng, Chénchén; Charrel, Rémi N.; Choi, Il Ryong; Clegg, J. Christopher S.; de la Torre, Juan Carlos; de Lamballerie, Xavier; Dèng, Fēi; Di Serio, Francesco; Digiaro, Michele; Drebot, Michael A.; Duàn, Xiǎoméi; Ebihara, Hideki; Elbeaino, Toufic; Ergünay, Koray; Fulhorst, Charles F.; Garrison, Aura R.; Gāo, George Fú; Gonzalez, Jean-Paul J.; Groschup, Martin H.; Günther, Stephan; Haenni, Anne-Lise; Hall, Roy A.; Hepojoki, Jussi; Hewson, Roger; Hú, Zhìhóng; Hughes, Holly R.; Jonson, Miranda Gilda; Junglen, Sandra; Klempa, Boris; Klingström, Jonas; Kòu, Chūn; Laenen, Lies; Lambert, Amy J.; Langevin, Stanley A.; Liu, Dan; Lukashevich, Igor S.; Luò, Tāo; Lǚ, Chuánwèi; Maes, Piet; de Souza, William Marciel; Marklewitz, Marco; Martelli, Giovanni P.; Matsuno, Keita; Mielke-Ehret, Nicole; Minutolo, Maria; Mirazimi, Ali; Moming, Abulimiti; Mühlbach, Hans-Peter; Naidu, Rayapati; Navarro, Beatriz; Nunes, Márcio Roberto Teixeira; Palacios, Gustavo; Papa, Anna; Pauvolid-Corrêa, Alex; Pawęska, Janusz T.; Qiáo, Jié; Radoshitzky, Sheli R.; Resende, Renato O.; Romanowski, Víctor; Sall, Amadou Alpha; Salvato, Maria	Taxonomy of the order Bunyavirales: update 2019	Archives of Virology	10.1007/s00705-019-04253-6
Jackson, Catherine L.	Lipid droplet biogenesis	Current Opinion in Cell Biology	10.1016/j.ceb.2019.03.018
Johnson, Adam F.; Nguyen, Ha T.; Veitia, Reiner A.	Causes and effects of haploinsufficiency	Biological Reviews of the Cambridge Philosophical Society	10.1111/brv.12527
Wang, S.; Han, Z.; Libri, D.; Porrua, O.; Strick, T. R.	Single-molecule characterization of extrinsic transcription termination by Sen1 helicase	Nature Communications	10.1038/s41467-019-09560-9

Collot, Mayeul; Ashokkumar, Pichandi; Anton, Halina; Boutant, Emmanuel; Faklaris, Orestis; Galli, Thierry; Mély, Yves; Danglot, Lydia; Klymchenko, Andrey S.	MemBright: A Family of Fluorescent Membrane Probes for Advanced Cellular Imaging and Neuroscience	Cell Chemical Biology	10.1016/j.chembiol.2019.01.009
Jouette, Julie; Guichet, Antoine; Claret, Sandra B.	Dynein-mediated transport and membrane trafficking control PAR3 polarised distribution	eLife	10.7554/eLife.40212
Hatem, Elie; Azzi, Sandy; El Banna, Nadine; He, Tiantian; Heneman-Masurel, Amélie; Vernis, Laurence; Baille, Dorothée; Masson, Vanessa; Dingli, Florent; Loew, Damarys; Azzarone, Bruno; Eid, Pierre; Baldacci, Giuseppe; Huang, Meng-Er	Auranofin/Vitamin C: A Novel Drug Combination Targeting Triple-Negative Breast Cancer	JNCI: Journal of the National Cancer Institute	10.1093/jnci/djy149
Gialluisi, Alessandro; Andlauer, Till F. M.; Mirza-Schreiber, Nazanin; Moll, Kristina; Becker, Jessica; Hoffmann, Per; Ludwig, Kerstin U.; Czamara, Darina; St Pourcain, Beate; Brandler, William; Honbolygó, Ferenc; Tóth, Dénes; Csépe, Valéria; Huguet, Guillaume; Morris, Andrew P.; Hulslander, Jacqueline; Willcutt, Erik G.; DeFries, John C.; Olson, Richard K.; Smith, Shelley D.; Pennington, Bruce F.; Vaessen, Anniek; Maurer, Urs; Lyytinen, Heikki; Peyrard-Janvid, Myriam; Leppänen, Paavo H. T.; Brandeis, Daniel; Bonte, Milene; Stein, John F.; Talcott, Joel B.; Fauchereau, Fabien; Wilcke, Arndt; Francks, Clyde; Bourgeron, Thomas; Monaco, Anthony P.; Ramus, Franck; Landerl, Karin; Kere, Juha; Scerri, Thomas S.; Paracchini, Silvia; Fisher, Simon E.; Schumacher, Johannes; Nöthen, Markus M.; Müller-Myhsok, Bertram; Schulte-Körne, Gerd	Genome-wide association scan identifies new variants associated with a cognitive predictor of dyslexia	Translational Psychiatry	10.1038/s41398-019-0402-0
Scheiber, Ivo Florin; Pilátová, Jana; Malych, Ronald; Kotabova, Eva; Krijt, Matyáš; Vyoral, Daniel; Mach, Jan; Léger, Thibaut; Camadro, Jean-Michel; Prášil, Ondřej; Lesuisse, Emmanuel; Sutak, Robert	Copper and iron metabolism in <i>Ostreococcus tauri</i> – the role of phytoferritin, plastocyanin and a chloroplast copper-transporting ATPase [†]	Metallomics	10.1039/c9mt00078j
Lelandais, Gaëlle; Denecker, Thomas; Garcia, Camille; Danila, Nicolas; Léger, Thibaut; Camadro, Jean-Michel	Label-free quantitative proteomics in <i>Candida</i> yeast species: technical and biological replicates to assess data reproducibility	BMC Research Notes	10.1186/s13104-019-4505-8
Le Faouder, Julie; Gigante, Elia; Léger, Thibaut; Albuquerque, Miguel; Beaufrère, Aurélie; Soubrane, Olivier; Dokmak, Safi; Camadro, Jean-Michel; Cros, Jérôme; Paradis, Valérie	Proteomic Landscape of Cholangiocarcinomas Reveals Three Different Subgroups According to Their Localization and the Aspect of Non-Tumor Liver	PROTEOMICS – Clinical Applications	10.1002/prca.201800128
Camadro, Jean-Michel; Poulain, Pierre	AutoClassWrapper: a Python wrapper for AutoClass C classification	Journal of Open Source Software	10.21105/joss.01390
Arai, Yoko; Cwetsch, Andrzej W.; Coppola, Eva; Cipriani, Sara; Nishihara, Hidenori; Kanki, Hiroaki; Saillour, Yoann; Freret-Hodara, Betty; Dutriaux, Annie; Okada, Norihiro; Okano, Hideyuki; Dehay, Colette; Nardelli, Jeannette; Gressens, Pierre; Shimogori, Tomomi; D'Onofrio, Giuseppe; Pierani, Alessandra	Evolutionary Gain of Dbx1 Expression Drives Subplate Identity in the Cerebral Cortex	Cell Reports	10.1016/j.celrep.2019.09.007
Mukherjee, Amrita; Conduit, Paul T.	γ -TuRCs	Current Biology	10.1016/j.cub.2019.04.013
Alvarez-Rodrigo, Ines; Steinacker, Thomas L; Saurya, Saroj; Conduit, Paul T; Baumbach, Janina; Novak, Zsofia A; Aydogan, Mustafa G; Wainman, Alan; Raff, Jordan W	Evidence that a positive feedback loop drives centrosome maturation in fly embryos	eLife	10.7554/eLife.50130
Rode, Nicolas O.; Estoup, Arnaud; Bourguet, Denis; Courtier-Orgogozo, Virginie; Débarre, Florence	Population management using gene drive: molecular design, models of spread dynamics and assessment of ecological risks	Conservation Genetics	10.1007/s10592-019-01165-5

Rice, Gavin; David, Jean R.; Kamimura, Yoshitaka; Masly, John P.; Mcgregor, Alistair P.; Nagy, Olga; Noselli, Stéphane; Nunes, Maria Daniela Santos; O'Grady, Patrick; Sánchez-Herrero, Ernesto; Siegal, Mark L.; Toda, Masanori J.; Rebeiz, Mark; Courtier-Orgogozo, Virginie; Yassin, Amir	A standardized nomenclature and atlas of the male terminalia of <i>Drosophila melanogaster</i>	Fly	10.1080/19336934.2019.1653733
Geigl, Eva-Maria; Grange, Thierry	Of Cats and Men: Ancient DNA Reveals How the Cat Conquered the Ancient World	Paleogenomics: Genome-Scale Analysis of Ancient DNA	
Geigl, Eva-Maria; Grange, Thierry	Using palaeogenetics to unravel the impact of humans on animal populations in the past		
Bennett, E. Andrew; Prat, Sandrine; Péan, Stéphane; Crépin, Laurent; Yanevich, Alexandr; Puaud, Simon; Grange, Thierry; Geigl, Eva-Maria	The origin of the Gravettians: genomic evidence from a 36,000-year-old Eastern European		10.1101/685404
Stoetzel, Emmanuelle; Lalis, Aude; Nicolas, Violaine; Aulagnier, Stéphane; Benazzou, Touria; Dauphin, Yannicke; El Hajraoui, Mohammed Abdeljalil; El Hassani, Ahmed; Fahd, Soumia; Fekhaoui, Mohammed; Geigl, Eva-Maria; Lapointe, François-Joseph; Leblois, Raphaël; Ohler, Annemarie; Nespoulet, Roland; Denys, Christiane	Quaternary terrestrial microvertebrates from mediterranean northwestern Africa: State-of-the-art focused on recent multidisciplinary studies	Quaternary Science Reviews	10.1016/j.quascirev.2019.105966
Demoor, Alexander; Silar, Philippe; Brun, Sylvain	Appressorium: The Breakthrough in Dikarya	Journal of Fungi	10.3390/jof5030072
Mercier, Alex; Clairet, Colin; Debuchy, Robert; Morais, David; Silar, Philippe; Brun, Sylvain	The mitochondrial translocase of the inner membrane PaTim54 is involved in defense response and longevity in <i>Podospora anserina</i>	Fungal Genetics and Biology	10.1016/j.fgb.2019.103257
Sun, Landi; Gao, Yuan; He, Jianfeng; Cui, Lihong; Meissner, Jana; Verbavatz, Jean-Marc; Li, Bo; Feng, Xiqiao; Liang, Xin	Ultrastructural organization of NompC in the mechanoreceptive organelle of <i>Drosophila</i> campaniform mechanoreceptors	Proceedings of the National Academy of Sciences	10.1073/pnas.1819371116
Baumgart, Johannes; Kirchner, Marcel; Redemann, Stefanie; Bond, Alec; Woodruff, Jeffrey; Verbavatz, Jean-Marc; Jülicher, Frank; Müller-Reichert, Thomas; Hyman, Anthony A.; Brugués, Jan	Soluble tubulin is significantly enriched at mitotic centrosomes	Journal of Cell Biology	10.1083/jcb.201902069
Xi, Wang; Saw, Thuan Beng; Delacour, Delphine; Lim, Chwee Teck; Ladoux, Benoit	Material approaches to active tissue mechanics	Nature Reviews Materials	10.1038/s41578-018-0066-z
Lipp, Nicolas-Frédéric; Gautier, Romain; Magdeleine, Maud; Renard, Maxime; Albanèse, Véronique; Čopič, Alenka; Drin, Guillaume	An electrostatic switching mechanism to control the lipid transfer activity of Osh6p	Nature Communications	10.1038/s41467-019-11780-y
D'Ambrosio, Juan Martín; Albanèse, Véronique; Čopič, Alenka	Following Anterograde Transport of Phosphatidylserine in Yeast in Real Time	Intracellular Lipid Transport: Methods and Protocols	
Dmitrieff, Serge; Minc, Nicolas	Scaling properties of centering forces	Europhysics Letters	10.1209/0295-5075/125/48001
Gervais, Louis; van den Beek, Marius; Josserand, Manon; Sallé, Jérémy; Stefanutti, Marine; Perdigoto, Carolina N.; Skorski, Patricia; Mazouni, Khallil; Marshall, Owen J.; Brand, Andrea H.; Schweisguth, François; Bardin, Allison J.	Stem Cell Proliferation Is Kept in Check by the Chromatin Regulators Kismet/CHD7/CHD8 and Trr/MLL3/4	Developmental Cell	10.1016/j.devcel.2019.04.033
Gerber, Vanessa; Yang, Lixin; Takamiya, Masanari; Ribes, Vanessa; Gourain, Victor; Peravali, Ravindra; Stegmaier, Johannes; Mikut, Ralf; Reischl, Markus; Ferg, Marco; Rastegar, Sepand; Strähle, Uwe	The HMG box transcription factors Sox1a and Sox1b specify a new class of glycinergic interneuron in the spinal cord of zebrafish embryos	Development	10.1242/dev.172510
Han, Zhong; Porrua, Odil	Helicases as transcription termination factors: Different solutions for a common problem	Transcription	10.1080/21541264.2017.1361503

Seddiki, Rima; Narayana, Gautham Hari Narayana Sankara; Strale, Pierre-Olivier; Balcioglu, Hayri Emrah; Peyret, Grégoire; Yao, Mingxi; Le, Anh Phuong; Teck Lim, Chwee; Yan, Jie; Ladoux, Benoit; Mège, René Marc	Force-dependent binding of vinculin to α -catenin regulates cell-cell contact stability and collective cell behavior	Molecular Biology of the Cell	10.1091/mbc.E17-04-0231
Veitia, R. A.; Caburet, S.; Birchler, J. A.	Mechanisms of Mendelian dominance	Clinical Genetics	10.1111/cge.13107
Bernard, Fred; Lepesant, Jean-Antoine; Guichet, Antoine	Nucleus positioning within Drosophila egg chamber	Seminars in Cell & Developmental Biology	10.1016/j.semcdb.2017.10.013
Farhat, Rayan; Ankavay, Maliki; Lebsir, Nadjet; Gouttenoire, Jérôme; Jackson, Catherine L.; Wychowski, Czeslaw; Moradpour, Darius; Dubuisson, Jean; Rouillé, Yves; Cocquerel, Laurence	Identification of GBF1 as a cellular factor required for hepatitis E virus RNA replication	Cellular Microbiology	10.1111/cmi.12804
Garnier, Florence; Debat, Hélène; Nadal, Marc	Type IA DNA Topoisomerases: A Universal Core and Multiple Activities	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-4939-7459-7_1
Bizard, Anna H.; Yang, Xi; Débat, Hélène; Fogg, Jonathan M.; Zechiedrich, Lynn; Strick, Terence R.; Garnier, Florence; Nadal, Marc	TopA, the Sulfolobus solfataricus topoisomerase III, is a decatenase	Nucleic Acids Research	10.1093/nar/gkx1247
Gayraud, Charlene; Bernaudin, Clément; Déjardin, Théophile; Seiler, Cynthia; Borghi, Nicolas	Src- and confinement-dependent FAK activation causes E-cadherin relaxation and β -catenin activity	The Journal of Cell Biology	10.1083/jcb.201706013
Télot, Lorène; Rousseau, Elodie; Lesuisse, Emmanuel; Garcia, Camille; Morlet, Bastien; Léger, Thibaut; Camadro, Jean-Michel; Serre, Valérie	Quantitative proteomics in Friedreich's ataxia B-lymphocytes: A valuable approach to decipher the biochemical events responsible for pathogenesis	Biochimica Et Biophysica Acta. Molecular Basis of Disease	10.1016/j.bbadis.2018.01.010
Almeida, Ricardo; Fernández-Justel, José Miguel; Santa-María, Cristina; Cadoret, Jean-Charles; Cano-Aroca, Laura; Lombraña, Rodrigo; Herranz, Gonzalo; Agresti, Alessandra; Gómez, María	Chromatin conformation regulates the coordination between DNA replication and transcription	Nature Communications	10.1038/s41467-018-03539-8
Birkhead, Monica; Briese, Thomas; Buchmeier, Michael J.; Calisher, Charles H.; Charrel, Rémi N.; Choi, Il Ryong; Clegg, Christopher S.; de la Torre, Juan Carlos; Delwart, Eric; DeRisi, Joseph L.; Di Bello, Patrick L.; Di Serio, Francesco; Digiario, Michele; Dolja, Valerian V.; Drosten, Christian; Druciarek, Tobiasz Z.; Du, Jiang; Ebihara, Hideki; Elbeaino, Toufic; Gergerich, Rose C.; Gillis, Amethyst N.; Gonzalez, Jean-Paul J.; Haenni, Anne-Lise; Hepojoki, Jussi; Hetzel, Udo; Hõ, Thiên; Hóng, Ní; Jain, Rakesh K.; Jansen van Vuren, Petrus; Jin, Qi; Jonson, Miranda Gilda; Junglen, Sandra; Keller, Karen E.; Kemp, Alan; Kipar, Anja; Kondov, Nikola O.; Koonin, Eugene V.; Kormelink, Richard; Korzyukov, Yegor; Krupovic, Mart; Lambert, Amy J.; Laney, Alma G.; LeBreton, Matthew; Lukashevich, Igor S.; Marklewitz, Marco; Markotter, Wanda; Martelli, Giovanni P.; Martin, Robert R.; Mielke-Ehret, Nicole; Mühlbach, Hans-Peter; Navarro, Beatriz; Ng, Terry Fei Fan; Nunes, Márcio Roberto Teixeira; Palacios, Gustavo; Pawęska, Janusz T.; Peters, Clarence J.; Plyusnin, Alexander; Radoshitzky, Sheli R.; Romanowski, Víctor; Salmenperä, Pertteli; Salvato, Maria S.; Sanfaçon, Hélène; Sasaya, Takahide; Schmaljohn, Connie; Schneider, Bradley S.; Shirako, Yukio; Siddell, Stuart; Sironen, Tarja A.; Stenglein, Mark D.; Storm, Nadia; Sudini,	Taxonomy of the family Arenaviridae and the order Bunyavirales: update 2018	Archives of Virology	10.1007/s00705-018-3843-5
Souquet, Benoit; Freed, Ellen; Berto, Alessandro; Andric, Vedrana; Audugé, Nicolas; Reina-San-Martin, Bernardo; Lacy, Elizabeth; Doye, Valérie	Nup133 Is Required for Proper Nuclear Pore Basket Assembly and Dynamics in Embryonic Stem Cells	Cell Reports	10.1016/j.celrep.2018.04.070
Berto, Alessandro; Yu, Jinchao; Morchoisne-Bolhy, Stéphanie; Bertipaglia, Chiara; Vallee, Richard; Dumont, Julien; Ochsenein, Françoise; Guerois, Raphael; Doye, Valérie	Disentangling the molecular determinants for Cenp-F localization to nuclear pores and kinetochores	EMBO reports	10.15252/embr.201744742

Villeret, Berengere; Dieu, Alexandra; Straube, Marjolene; Solhonne, Brigitte; Miklavc, Pika; Hamadi, Sena; Le Borgne, Rémi; Mailleux, Arnaud; Norel, Xavier; Aerts, Joel; Diallo, Devy; Rouzet, Francois; Dietl, Paul; Sallenave, Jean-Michel; Garcia-Verdugo, Ignacio	Silver Nanoparticles Impair Retinoic Acid-Inducible Gene I-Mediated Mitochondrial Antiviral Immunity by Blocking the Autophagic Flux in Lung Epithelial Cells	ACS nano	10.1021/acsnano.7b06934
Candelli, Tito; Challal, Drice; Briand, Jean-Baptiste; Boulay, Jocelyne; Porrua, Odil; Colin, Jessie; Libri, Domenico	High-resolution transcription maps reveal the widespread impact of roadblock termination in yeast	The EMBO journal	10.15252/embj.201797490
Caronni, Nicoletta; Simoncello, Francesca; Stafetta, Francesca; Guarnaccia, Corrado; Ruiz-Moreno, Juan Sebastian; Opitz, Bastian; Galli, Thierry; Proux-Gillardeaux, Veronique; Benvenuti, Federica	Downregulation of Membrane Trafficking Proteins and Lactate Conditioning Determine Loss of Dendritic Cell Function in Lung Cancer	Cancer Research	10.1158/0008-5472.CAN-17-1307
Sapaly, Delphine; Dos Santos, Matthieu; Delers, Perrine; Biondi, Olivier; Quérol, Gwendoline; Houdebine, Léo; Khoobarry, Kevinee; Girardet, François; Bulet, Philippe; Armand, Anne-Sophie; Chanoine, Christophe; Bureau, Jean-François; Charbonnier, Frédéric; Lefebvre, Suzie	Small-molecule flunarizine increases SMN protein in nuclear Cajal bodies and motor function in a mouse model of spinal muscular atrophy	Scientific Reports	10.1038/s41598-018-20219-1
Drecourt, Anthony; Babdor, Joël; Dussiot, Michael; Petit, Floriane; Goudin, Nicolas; Garfa-Traoré, Meriem; Habarou, Florence; Bole-Feysot, Christine; Nitschké, Patrick; Ottolenghi, Chris; Methodiev, Metodii D.; Serre, Valérie; Desguerre, Isabelle; Boddaert, Nathalie; Hermine, Olivier; Munnich, Arnold; Rötig, Agnès	Impaired Transferrin Receptor Palmitoylation and Recycling in Neurodegeneration with Brain Iron Accumulation	American Journal of Human Genetics	10.1016/j.ajhg.2018.01.003
Bertot, Laetitia; Grassart, Alexandre; Lagache, Thibault; Nardi, Giacomo; Basquin, Cyril; Olivo-Marin, Jean-Christophe; Sauvonnnet, Nathalie	Quantitative and Statistical Study of the Dynamics of Clathrin-Dependent and -Independent Endocytosis Reveal a Differential Role of EndophilinA2	Cell Reports	10.1016/j.celrep.2018.01.039
Bernard, Valérie; Villa, Chiara; Auguste, Aurélie; Lamothe, Sophie; Guillou, Anne; Martin, Agnès; Caburet, Sandrine; Young, Jacques; Veitia, Reiner A.; Binart, Nadine	Natural and molecular history of prolactinoma: insights from a Prlr ^{-/-} mouse model	Oncotarget	10.18632/oncotarget.23713
Veitia, Reiner A.	How the most common mitochondrial DNA mutation (m.3243A>G) vanishes from leukocytes: a mathematical model	Human Molecular Genetics	10.1093/hmg/ddy063
Bottani, Samuel; Zabet, Nicolae Radu; Wendel, Jonathan F.; Veitia, Reiner A.	Gene Expression Dominance in Allopolyploids: Hypotheses and Models	Trends in Plant Science	10.1016/j.tplants.2018.01.002
Collot, Mayeul; Fam, Tkhe Kyong; Ashokkumar, Pichandi; Faklaris, Orestis; Galli, Thierry; Danglot, Lydia; Klymchenko, Andrey S.	Ultrabright and Fluorogenic Probes for Multicolor Imaging and Tracking of Lipid Droplets in Cells and Tissues	Journal of the American Chemical Society	10.1021/jacs.7b12817
Lagache, Thibault; Grassart, Alexandre; Dallongeville, Stéphane; Faklaris, Orestis; Sauvonnnet, Nathalie; Dufour, Alexandre; Danglot, Lydia; Olivo-Marin, Jean-Christophe	Mapping molecular assemblies with fluorescence microscopy and object-based spatial statistics	Nature Communications	10.1038/s41467-018-03053-x

Abdollahi, Nika; Albani, Alexandre; Anthony, Eric; Baud, Agnes; Cardon, Mélissa; Clerc, Robert; Czernecki, Dariusz; Conte, Romain; David, Laurent; Delaune, Agathe; Djerroud, Samia; Fourgoux, Pauline; Guiglielmoni, Nadège; Laurentie, Jeanne; Lehmann, Nathalie; Lochard, Camille; Montagne, Rémi; Myrodi, Vasiliki; Opuu, Vaitea; Parey, Elise; Polit, Lélia; Privé, Sylvain; Quignot, Chloé; Ruiz-Cuevas, Maria; Sissoko, Mariam; Sompairac, Nicolas; Vallerix, Audrey; Verrecchia, Violaine; Delarue, Marc; Guérois, Raphael; Ponty, Yann; Sacquin-Mora, Sophie; Carbone, Alessandra; Froidevaux, Christine; Le Crom, Stéphane; Lespinet, Olivier; Weigt, Martin; Abboud, Samer; Bernardes, Juliana; Bouvier, Guillaume; Dequeker, Chloé; Ferré, Arnaud; Fuchs, Patrick; Lelandais, Gaëlle; Poulain, Pierre; Richard, Hugues; Schweke, Hugo; Laine, Elodie; Lopes, Anne	Meet-U: Educating through research immersion	PLoS computational biology	10.1371/journal.pcbi.1005992
Čopič, Alenka; Antoine-Bally, Sandra; Giménez-Andrés, Manuel; La Torre Garay, César; Antonny, Bruno; Manni, Marco M.; Pagnotta, Sophie; Guihot, Jeanne; Jackson, Catherine L.	A giant amphipathic helix from a perilipin that is adapted for coating lipid droplets	Nature Communications	10.1038/s41467-018-03717-8
Hovsepian, Junie; Albanèse, Véronique; Becuwe, Michel; Ivashov, Vasy; Teis, David; Léon, Sébastien	The yeast arrestin-related protein Bul1 is a novel actor of glucose-induced endocytosis	Molecular Biology of the Cell	10.1091/mbc.E17-07-0466
Haupt, Armin; Minc, Nicolas	How cells sense their own shape - mechanisms to probe cell geometry and their implications in cellular organization and function	Journal of Cell Science	10.1242/jcs.214015
Jackson, Catherine L.	Activators and Effectors of the Small G Protein Arf1 in Regulation of Golgi Dynamics During the Cell Division Cycle	Frontiers in Cell and Developmental Biology	10.3389/fcell.2018.00029
Daste, Frédéric; Sauvanet, Cécile; Bavdek, Andrej; Baye, James; Pierre, Fabienne; Le Borgne, Rémi; David, Claudine; Rojo, Manuel; Fuchs, Patrick; Tareste, David	The heptad repeat domain 1 of Mitofusin has membrane destabilization function in mitochondrial fusion	EMBO reports	10.15252/embr.201643637
Chevalier, Nicolas R.; de Witte, Tinke-Marie; Cornelissen, Annemiek J. M.; Dufour, Sylvie; Proux-Gillardeaux, Véronique; Asnacios, Atef	Mechanical Tension Drives Elongational Growth of the Embryonic Gut	Scientific Reports	10.1038/s41598-018-24368-1
Palancade, Benoit	[R-loop-associated genetic instability: why introns matter?]	Medicine Sciences: M/S	10.1051/medsci/20183404007
Davì, Valeria; Tanimoto, Hirokazu; Ershov, Dmitry; Haupt, Armin; De Belly, Henry; Le Borgne, Rémi; Couturier, Etienne; Boudaoud, Arezki; Minc, Nicolas	Mechanosensation Dynamically Coordinates Polar Growth and Cell Wall Assembly to Promote Cell Survival	Developmental Cell	10.1016/j.devcel.2018.03.022
Rouvière, Jérôme O.; Bulfoni, Manuel; Tuck, Alex; Cosson, Bertrand; Devaux, Frédéric; Palancade, Benoit	A SUMO-dependent feedback loop senses and controls the biogenesis of nuclear pore subunits	Nature Communications	10.1038/s41467-018-03673-3
Huhtaniemi, Ilpo; Hovatta, Outi; La Marca, Antonio; Livera, Gabriel; Monniaux, Danielle; Persani, Luca; Heddar, Abdelkader; Jarzabek, Katarzyna; Laisk-Podar, Triin; Salumets, Andres; Tapanainen, Juha S.; Veitia, Reiner A.; Visser, Jenny A.; Wieacker, Peter; Wolczynski, Slawomir; Misrahi, Micheline	Advances in the Molecular Pathophysiology, Genetics, and Treatment of Primary Ovarian Insufficiency	Trends in endocrinology and metabolism: TEM	10.1016/j.tem.2018.03.010
Portman, James R.; Strick, Terence R.	Transcription-Coupled Repair and Complex Biology	Journal of Molecular Biology	10.1016/j.jmb.2018.04.033
Penrad-Mobayed, M.; Perrin, C.; L'Hôte, D.; Contremoulins, V.; Lepesant, J.-A.; Boizet-Bonhoure, B.; Poulat, F.; Baudin, X.; Veitia, R. A.	A role for SOX9 in post-transcriptional processes: insights from the amphibian oocyte	Scientific Reports	10.1038/s41598-018-25356-1

Kazamia, Elena; Sutak, Robert; Paz-Yepes, Javier; Dorrell, Richard G.; Vieira, Fabio Rocha Jimenez; Mach, Jan; Morrissey, Joe; Leon, Sébastien; Lam, France; Pelletier, Eric; Camadro, Jean-Michel; Bowler, Chris; Lesuisse, Emmanuel	Endocytosis-mediated siderophore uptake as a strategy for Fe acquisition in diatoms	Science Advances	10.1126/sciadv.aar4536
Causeret, Frédéric; Coppola, Eva; Pierani, Alessandra	Cortical developmental death: selected to survive or fated to die	Current Opinion in Neurobiology	10.1016/j.conb.2018.04.022
Platre, Matthieu Pierre; Noack, Lise C.; Doumane, Mehdi; Bayle, Vincent; Simon, Mathilde Laetitia Audrey; Maneta-Peyret, Lilly; Fouillen, Laetitia; Stanislas, Thomas; Armengot, Laia; Pejchar, Přemysl; Caillaud, Marie-Cécile; Potocký, Martin; Čopič, Alenka; Moreau, Patrick; Jaillais, Yvon	A Combinatorial Lipid Code Shapes the Electrostatic Landscape of Plant Endomembranes	Developmental Cell	10.1016/j.devcel.2018.04.011
Bonazzi, Daria; Lo Schiavo, Valentina; Machata, Silke; Djafer-Cherif, Ilyas; Nivoit, Pierre; Manriquez, Valeria; Tanimoto, Hirokazu; Husson, Julien; Henry, Nelly; Chaté, Hugues; Voituriez, Raphael; Duménil, Guillaume	Intermittent Pili-Mediated Forces Fluidize <i>Neisseria meningitidis</i> Aggregates Promoting Vascular Colonization	Cell	10.1016/j.cell.2018.04.010
Wang, Jing L.; Duboc, Camille; Wu, Qian; Ochi, Takashi; Liang, Shikang; Tsutakawa, Susan E.; Lees-Miller, Susan P.; Nadal, Marc; Tainer, John A.; Blundell, Tom L.; Strick, Terence R.	Dissection of DNA double-strand-break repair using novel single-molecule forceps	Nature Structural & Molecular Biology	10.1038/s41594-018-0065-1
Lacroix, Benjamin; Letort, Gaëlle; Pitayu, Laras; Sallé, Jérémy; Stefanutti, Marine; Maton, Gilliane; Ladouceur, Anne-Marie; Canman, Julie C.; Maddox, Paul S.; Maddox, Amy S.; Minc, Nicolas; Nédélec, François; Dumont, Julien	Microtubule Dynamics Scale with Cell Size to Set Spindle Length and Assembly Timing	Developmental Cell	10.1016/j.devcel.2018.04.022
Cao, Luyan; Kerleau, Mikael; Suzuki, Emiko L.; Wioland, Hugo; Jouet, Sandy; Guichard, Berengere; Lenz, Martin; Romet-Lemonne, Guillaume; Jegou, Antoine	Modulation of formin processivity by profilin and mechanical tension	eLife	10.7554/eLife.34176
Fernandes, Julien; Hamidi, Fatima; Leborgne, Remi; Beau, Remi; Castier, Yves; Mordant, Pierre; Boukkerou, Amira; Latgé, Jean Paul; Pretolani, Marina	Penetration of the Human Pulmonary Epithelium by <i>Aspergillus fumigatus</i> Hyphae	The Journal of Infectious Diseases	10.1093/infdis/jiy298
Vigneron, Suzanne; Sundermann, Lena; Labbé, Jean-Claude; Pintard, Lionel; Radulescu, Ovidiu; Castro, Anna; Lorca, Thierry	Cyclin A-cdk1-Dependent Phosphorylation of Bora Is the Triggering Factor Promoting Mitotic Entry	Developmental Cell	10.1016/j.devcel.2018.05.005
Tlili, Sham; Gauquelin, Estelle; Li, Brigitte; Cardoso, Olivier; Ladoux, Benoît; Delanoë-Ayari, Hélène; Graner, François	Collective cell migration without proliferation: density determines cell velocity and wave velocity	Royal Society Open Science	10.1098/rsos.172421
Magliozzi, Roberto; Carrero, Zunamys I.; Low, Teck Yew; Yuniati, Laurensia; Valdes-Quezada, Christian; Kruiswijk, Flore; van Wijk, Koen; Heck, Albert J. R.; Jackson, Catherine L.; Guardavaccaro, Daniele	Inheritance of the Golgi Apparatus and Cytokinesis Are Controlled by Degradation of GBF1	Cell Reports	10.1016/j.celrep.2018.05.031
Brubacher, John L.; Vieira, Ana P.; Azimzadeh, Juliette	Processing <i>Schmidtea mediterranea</i> for Transmission Electron Microscopy: Classical and Microwave Techniques	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-4939-7802-1_23
Richarme, Gilbert; Abdallah, Jad; Mathas, Nicolas; Gautier, Valérie; Dairou, Julien	Further characterization of the Maillard deglycase DJ-1 and its prokaryotic homologs, deglycase 1/Hsp31, deglycase 2/YhbO, and deglycase 3/YajL	Biochemical and Biophysical Research Communications	10.1016/j.bbrc.2018.06.064
Jackson, Catherine L.	Membrane Trafficking: A Little Flexibility Helps Vesicles Get into Shape	Current biology: CB	10.1016/j.cub.2018.04.068
Veitia, Reiner A.	Dosage effects in morphogenetic gradients of transcription factors: insights from a simple mathematical model	Journal of Genetics	
Laband, Kimberley; Lacroix, Benjamin; Edwards, Frances; Canman, Julie C.; Dumont, Julien	Live imaging of <i>C. elegans</i> oocytes and early embryos	Methods in Cell Biology	10.1016/bs.mcb.2018.03.025
Romet-Lemonne, Guillaume; Guichard, Bérengère; Jégou, Antoine	Using Microfluidics Single Filament Assay to Study Formin Control of Actin Assembly	Methods in Molecular Biology (Clifton, N.J.)	10.1007/978-1-4939-8556-2_4

Piffoux, Max; Silva, Amanda K. A.; Wilhelm, Claire; Gazeau, Florence; Taresté, David	Modification of Extracellular Vesicles by Fusion with Liposomes for the Design of Personalized Biogenic Drug Delivery Systems	ACS nano	10.1021/acsnano.8b02053
Giménez-Andrés, Manuel; Čopič, Alenka; Antony, Bruno	The Many Faces of Amphipathic Helices	Biomolecules	10.3390/biom8030045
De Pascalis, Chiara; Pérez-González, Carlos; Seetharaman, Shailaja; Boëda, Batiste; Vianay, Benoit; Burute, Mithila; Leduc, Cécile; Borghi, Nicolas; Trepât, Xavier; Etienne-Manneville, Sandrine	Intermediate filaments control collective migration by restricting traction forces and sustaining cell-cell contacts	The Journal of Cell Biology	10.1083/jcb.201801162
Dykes, Iain M.; Szumska, Dorota; Kuncheria, Linta; Puliyadi, Rathi; Chen, Chiann-Mun; Papanayotou, Costis; Lockstone, Helen; Dubourg, Christèle; David, Véronique; Schneider, Jurgen E.; Keane, Thomas M.; Adams, David J.; Brown, Steve D. M.; Mercier, Sandra; Odent, Sylvie; Collignon, Jérôme; Bhattacharya, Shoumo	A Requirement for Zic2 in the Regulation of Nodal Expression Underlies the Establishment of Left-Sided Identity	Scientific Reports	10.1038/s41598-018-28714-1
Berto, Alessandro; Doye, Valérie	Regulation of Cenp-F localization to nuclear pores and kinetochores	Cell Cycle (Georgetown, Tex.)	10.1080/15384101.2018.1520569
Obino, Dorian; Fetler, Luc; Soza, Andrea; Malbec, Odile; Saez, Juan José; Labarca, Mariana; Oyanadel, Claudia; Del Valle Batalla, Felipe; Goles, Nicolas; Chikina, Aleksandra; Lankar, Danielle; Segovia-Miranda, Fabián; Garcia, Camille; Léger, Thibaut; Gonzalez, Alfonso; Espéli, Marion; Lennon-Duménil, Ana-Maria; Yuseff, Maria-Isabel	Galectin-8 Favors the Presentation of Surface-Tethered Antigens by Stabilizing the B Cell Immune Synapse	Cell Reports	10.1016/j.celrep.2018.11.052
Edwards, Frances; Maton, Gilliane; Gareil, Nelly; Canman, Julie C.; Dumont, Julien	BUB-1 promotes amphitelic chromosome biorientation via multiple activities at the kinetochore	eLife	10.7554/eLife.40690
Candelli, Tito; Gros, Julien; Libri, Domenico	Pervasive transcription fine-tunes replication origin activity	eLife	10.7554/eLife.40802
Challal, Drice; Barucco, Mara; Kubik, Slawomir; Feuerbach, Frank; Candelli, Tito; Geoffroy, Hélène; Benaksas, Chaima; Shore, David; Libri, Domenico	General Regulatory Factors Control the Fidelity of Transcription by Restricting Non-coding and Ectopic Initiation	Molecular Cell	10.1016/j.molcel.2018.11.037
Ramani, Anand; Mariappan, Aruljothi; Gottardo, Marco; Mandad, Sunit; Urlaub, Henning; Avidor-Reiss, Tomer; Riparbelli, Maria; Callaini, Giuliano; Debec, Alain; Feederle, Regina; Gopalakrishnan, Jay	Plk1/Polo Phosphorylates Sas-4 at the Onset of Mitosis for an Efficient Recruitment of Pericentriolar Material to Centrosomes	Cell Reports	10.1016/j.celrep.2018.11.102
Gutnik, Silvia; Thomas, Yann; Guo, Yanwu; Stoecklin, Janosch; Neagu, Anca; Pintard, Lionel; Merlet, Jorge; Ciosk, Rafal	PRP-19, a conserved pre-mRNA processing factor and E3 ubiquitin ligase, inhibits the nuclear accumulation of GLP-1/Notch intracellular domain	Biology Open	10.1242/bio.034066
Davies, Tim; Kim, Han X.; Romano Spica, Natalia; Lesea-Pringle, Benjamin J.; Dumont, Julien; Shirasu-Hiza, Mimi; Canman, Julie C.	Cell-intrinsic and -extrinsic mechanisms promote cell-type-specific cytokinetic diversity	eLife	10.7554/eLife.36204
Xi, Wang; Sonam, Surabhi; Lim, Chwee Teck; Ladoux, Benoit	Tubular microscavolds for studying collective cell migration	Methods in Cell Biology	10.1016/bs.mcb.2018.05.001
Léon, Sébastien; Teis, David	Functional patchworking at the plasma membrane	The EMBO journal	10.15252/embj.2018100144
Gautier, Romain; Bacle, Amélie; Tiberti, Marion L.; Fuchs, Patrick F.; Vanni, Stefano; Antony, Bruno	PackMem: A Versatile Tool to Compute and Visualize Interfacial Packing Defects in Lipid Bilayers	Biophysical Journal	10.1016/j.bpj.2018.06.025
Gayraud, Charlène; Borghi, Nicolas	How mechanotransduction between adhesion complexes results in β -catenin pathway activation	Medecine Sciences: M/S	10.1051/medsci/20183406004
Tanimoto, Hirokazu; Sallé, Jeremy; Dodin, Louise; Minc, Nicolas	Physical Forces Determining the Persistency and Centering Precision of Microtubule Asters	Nature Physics	10.1038/s41567-018-0154-4
Veitia, Reiner A.	On the loss of human sex chromosomes in lymphocytes with age: a quantitative treatment	European journal of human genetics: EJHG	10.1038/s41431-018-0225-0

Pintard, Lionel; Archambault, Vincent	A unified view of spatio-temporal control of mitotic entry: Polo kinase as the key	Open Biology	10.1098/rsob.180114
Saw, Thuan Beng; Xi, Wang; Ladoux, Benoit; Lim, Chwee Teck	Biological Tissues as Active Nematic Liquid Crystals	Advanced Materials (Deerfield Beach, Fla.)	10.1002/adma.201802579
Tamirisa, Srividya; Papagiannouli, Fani; Rempel, Eugen; Ermakova, Olga; Trost, Nils; Zhou, Jun; Mundorf, Juliane; Brunel, Samantha; Ruhland, Naima; Boutros, Michael; Lohmann, Jan U.; Lohmann, Ingrid	Decoding the Regulatory Logic of the Drosophila Male Stem Cell System	Cell Reports	10.1016/j.celrep.2018.08.013
Wang, Guan; Nola, Sébastien; Bovio, Simone; Bun, Philippe; Coppey-Moisan, Maïté; Lafont, Frank; Galli, Thierry	Biomechanical Control of Lysosomal Secretion Via the VAMP7 Hub: A Tug-of-War between VARP and LRRK1	iScience	10.1016/j.isci.2018.05.016
Bonin, Florian; Taouis, Karim; Azorin, Paula; Petitalot, Ambre; Tariq, Zakia; Nola, Sebastien; Bouteille, Nadège; Tury, Sandrine; Vacher, Sophie; Bièche, Ivan; Rais, Khadija Ait; Pierron, Gaele; Fuhrmann, Laetitia; Vincent-Salomon, Anne; Formstecher, Etienne; Camonis, Jacques; Lidereau, Rosette; Lallemand, François; Driouch, Keltouma	VOPP1 promotes breast tumorigenesis by interacting with the tumor suppressor WWOX	BMC biology	10.1186/s12915-018-0576-6
Nier, Vincent; Peyret, Grégoire; d'Alessandro, Joseph; Ishihara, Shuji; Ladoux, Benoit; Marcq, Philippe	Kalman Inversion Stress Microscopy	Biophysical Journal	10.1016/j.bpj.2018.09.013
Acharya, Bipul R.; Nestor-Bergmann, Alexander; Liang, Xuan; Gupta, Shafali; Duszyc, Kinga; Gauquelin, Estelle; Gomez, Guillermo A.; Budnar, Srikanth; Marcq, Philippe; Jensen, Oliver E.; Bryant, Zev; Yap, Alpha S.	A Mechanosensitive RhoA Pathway that Protects Epithelia against Acute Tensile Stress	Developmental Cell	10.1016/j.devcel.2018.09.016
Haupt, Armin; Ershov, Dmitry; Minc, Nicolas	A Positive Feedback between Growth and Polarity Provides Directional Persistency and Flexibility to the Process of Tip Growth	Current biology: CB	10.1016/j.cub.2018.09.022
Raich, Natacha; Mahmoudi, Souhir; Emre, Doruk; Karess, Roger E.	Mad1 influences interphase nucleoplasm organization and chromatin regulation in Drosophila	Open Biology	10.1098/rsob.180166
Nagy, Olga; Nuez, Isabelle; Savaar, Rosina; Peluffo, Alexandre E.; Yassin, Amir; Lang, Michael; Stern, David L.; Matute, Daniel R.; David, Jean R.; Courtier-Ordogozo, Virginie	Correlated Evolution of Two Copulatory Organs via a Single cis-Regulatory Nucleotide Change	Current biology: CB	10.1016/j.cub.2018.08.047
Geigl, Eva-Maria; Grange, Thierry	Ancient DNA: The quest for the best	Molecular Ecology Resources	10.1111/1755-0998.12931
Hirsch, Sophia M.; Sundaramoorthy, Sriramkumar; Davies, Tim; Zhuravlev, Yelena; Waters, Jennifer C.; Shirasu-Hiza, Mimi; Dumont, Julien; Canman, Julie C.	FLIRT: fast local infrared thermogenetics for subcellular control of protein function	Nature Methods	10.1038/s41592-018-0168-y
Latorre, Ernest; Kale, Sohan; Casares, Laura; Gómez-González, Manuel; Uroz, Marina; Valon, Léo; Nair, Roshna V.; Garreta, Elena; Montserrat, Nuria; Del Campo, Aránzazu; Ladoux, Benoit; Arroyo, Marino; Trepát, Xavier	Active superelasticity in three-dimensional epithelia of controlled shape	Nature	10.1038/s41586-018-0671-4
Hatem, Elie; Azzi, Sandy; El Banna, Nadine; He, Tiantian; Heneman-Masurel, Amélie; Vernis, Laurence; Baille, Dorothée; Masson, Vanessa; Dingli, Florent; Loew, Damarys; Azzarone, Bruno; Eid, Pierre; Baldacci, Giuseppe; Huang, Meng-Er	Auranofin/Vitamin C: A Novel Drug Combination Targeting Triple-Negative Breast Cancer	Journal of the National Cancer Institute	10.1093/ije/djy149
Talhaoui, Ibtissam; Bernal, Manuel; Mullen, Janet R.; Dorison, Hugo; Palancade, Benoit; Brill, Steven J.; Mazón, Gerard	Slx5-Slx8 ubiquitin ligase targets active pools of the Yen1 nuclease to limit crossover formation	Nature Communications	10.1038/s41467-018-07364-x
Masmoudi-Kouki, Olfa; Hamdi, Yosra; Ghouili, Ikram; Bahdoudi, Seyma; Kaddour, Hadhémi; Leprince, Jérôme; Castel, Hélène; Vaudry, Hubert; Amri, Mohamed; Vaudry, David; Tonon, Marie-Christine	Neuroprotection with the Endozepine Octadecaneuropeptide, ODN	Current Pharmaceutical Design	10.2174/1381612824666181112111746

Walch, Laurence; Pellier, Emilie; Leng, Weihua; Lakisic, Goran; Gautreau, Alexis; Contremoulins, Vincent; Verbavatz, Jean-Marc; Jackson, Catherine L.	GBF1 and Arf1 interact with Miro and regulate mitochondrial positioning within cells	Scientific Reports	10.1038/s41598-018-35190-0
Duharcourt, Sandra; Sperling, Linda	The Challenges of Genome-Wide Studies in a Unicellular Eukaryote With Two Nuclear Genomes	Methods in Enzymology	10.1016/bs.mie.2018.08.012
Mège, René Marc; Ladoux, Benoit	[The irruption of mechanics in the chemistry of life]	Medecine Sciences: M/S	10.1051/medsci/2018241
Chen, Tianchi; Saw, Thuan Beng; Mège, René-Marc; Ladoux, Benoit	Mechanical forces in cell monolayers	Journal of Cell Science	10.1242/jcs.218156
Verraes, Agathe; Cholley, Beatrice; Galli, Thierry; Nola, Sebastien	Comparative study of commercially available and homemade anti-VAMP7 antibodies using CRISPR/Cas9-depleted HeLa cells and VAMP7 knockout mice	F1000Research	10.12688/f1000research.15707.2
Penrad-Mobayed, M.; Perrin, C.; L'Hôte, D.; Contremoulins, V.; Lepesant, J.-A.; Boizet-Bonhoure, B.; Poulat, F.; Baudin, X.; Veitia, R. A.	A role for SOX9 in post-transcriptional processes: insights from the amphibian oocyte	Scientific Reports	10.1038/s41598-018-25356-1
Berto, Alessandro; Yu, Jinchao; Morchoisne-Bolhy, Stéphanie; Bertipaglia, Chiara; Vallee, Richard; Dumont, Julien; Ochsenbein, Françoise; Guerois, Raphael; Doye, Valérie	Disentangling the molecular determinants for Cenp-F localization to nuclear pores and kinetochores	EMBO reports	10.15252/embr.201744742
Collot, Mayeul; Fam, Tkhe Kyong; Ashokkumar, Pichandi; Faklaris, Orestis; Galli, Thierry; Danglot, Lydia; Klymchenko, Andrey S.	Ultrabright and Fluorogenic Probes for Multicolor Imaging and Tracking of Lipid Droplets in Cells and Tissues	Journal of the American Chemical Society	10.1021/jacs.7b12817
De Pascalis, Chiara; Pérez-González, Carlos; Seetharaman, Shailaja; Boëda, Batiste; Vianay, Benoit; Burute, Mithila; Leduc, Cécile; Borghi, Nicolas; Trepas, Xavier; Etienne-Manneville, Sandrine	Intermediate filaments control collective migration by restricting traction forces and sustaining cell-cell contacts	The Journal of Cell Biology	10.1083/jcb.201801162
Kazamia, Elena; Sutak, Robert; Paz-Yepes, Javier; Dorrell, Richard G.; Vieira, Fabio Rocha Jimenez; Mach, Jan; Morrissey, Joe; Leon, Sébastien; Lam, France; Pelletier, Eric; Camadro, Jean-Michel; Bowler, Chris; Lesuisse, Emmanuel	Endocytosis-mediated siderophore uptake as a strategy for Fe acquisition in diatoms	Science Advances	10.1126/sciadv.aar4536
Denard, Jérôme; Rouillon, Jérémy; Leger, Thibaut; Garcia, Camille; Lambert, Michele P.; Griffith, Graziella; Jenny, Christine; Camadro, Jean-Michel; Garcia, Luis; Svinartchouk, Fedor	AAV-8 and AAV-9 Vectors Cooperate with Serum Proteins Differently Than AAV-1 and AAV-6	Molecular Therapy - Methods & Clinical Development	10.1016/j.omtm.2018.08.001
Alby, Caroline; Boutaud, Lucile; Bessières, Bettina; Serre, Valérie; Rio, Marlene; Cormier-Daire, Valerie; de Oliveira, Judith; Ichkou, Amale; Mouthon, Linda; Gordon, Christopher T.; Bonnière, Maryse; Mechler, Charlotte; Nitschke, Patrick; Bole, Christine; Lyonnet, Stanislas; Bahi-Buisson, Nadia; Boddaert, Nathalie; Colleaux, Laurence; Roth, Philippe; Ville, Yves; Vekemans, Michel; Encha-Razavi, Féréchté; Attié-Bitach, Tania; Thomas, Sophie	Novel de novo ZBTB20 mutations in three cases with Primrose syndrome and constant corpus callosum anomalies	American Journal of Medical Genetics Part A	10.1002/ajmg.a.38684
Télot, Lorène; Rousseau, Elodie; Lesuisse, Emmanuel; Garcia, Camille; Morlet, Bastien; Léger, Thibaut; Camadro, Jean-Michel; Serre, Valérie	Quantitative proteomics in Friedreich's ataxia B-lymphocytes: A valuable approach to decipher the biochemical events responsible for pathogenesis	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease	10.1016/j.bbadis.2018.01.010
Télot, Lorène; Rousseau, Elodie; Lesuisse, Emmanuel; Garcia, Camille; Morlet, Bastien; Léger, Thibaut; Camadro, Jean-Michel; Serre, Valérie	Quantitative proteomics in Friedreich's ataxia B-lymphocytes: A valuable approach to decipher the biochemical events responsible for pathogenesis	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease	10.1016/j.bbadis.2018.01.010
Tovey, Corinne A.; Conduit, Paul T.	Microtubule nucleation by γ -tubulin complexes and beyond	Essays in Biochemistry	10.1042/EBC20180028

Tovey, Corinne A.; Tubman, Chloe E.; Hamrud, Eva; Zhu, Zihan; Dyas, Anna E.; Butterfield, Andrew N.; Fyfe, Alex; Johnson, Errin; Conduit, Paul T.	γ -TuRC Heterogeneity Revealed by Analysis of Mozart1	Current Biology	10.1016/j.cub.2018.05.044
Matamoro-Vidal, A.; Tully, T.; Courtier-Orgogozo, V.	Robustness of bristle number to temperature and genetic background varies with bristle type and is regulated by miR-9a		10.1101/295485
Calderari, Sophie; Ria, Massimiliano; Gérard, Christelle; Nogueira, Tatiane C.; Villate, Olatz; Collins, Stephan C.; Neil, Helen; Gervasi, Nicolas; Hue, Christophe; Suarez-Zamorano, Nicolas; Prado, Cécilia; Cnop, Miriam; Bihoreau, Marie-Thérèse; Kaisaki, Pamela J.; Cazier, Jean-Baptiste; Julier, Cécile; Lathrop, Mark; Werner, Michel; Eizirik, Decio L.; Gauguier, Dominique	Molecular genetics of the transcription factor GLIS3 identifies its dual function in beta cells and neurons	Genomics	10.1016/j.ygeno.2017.09.001
Palancade, Benoit	L'instabilité génétique associée aux R-loops - Une affaire d'introns	médecine/sciences	10.1051/medsci/20183404007
Rouvière, Jérôme O.; Bulfoni, Manuel; Tuck, Alex; Cosson, Bertrand; Devaux, Frédéric; Palancade, Benoit	A SUMO-dependent feedback loop senses and controls the biogenesis of nuclear pore subunits	Nature Communications	10.1038/s41467-018-03673-3
Duharcourt, Sandra; Sperling, Linda	Chapter Five - The Challenges of Genome-Wide Studies in a Unicellular Eukaryote With Two Nuclear Genomes	Methods in Enzymology	
Palancade, Benoit	[R-loop-associated genetic instability: why introns matter?]	Medecine Sciences: M/S	10.1051/medsci/20183404007
Grange, Thierry; Geigl, Eva-Maria	Grâce à la domestication, le chat a gagné le monde / Thierry Grange	Grâce à la domestication, le chat a gagné le monde / Thierry Grange	
Grange, Thierry; Brugal, Jean-Philip; Flori, Laurence; Gautier, Mathieu; Uzunidis, Antigone; Geigl, Eva-Maria	The Evolution and Population Diversity of Bison in Pleistocene and Holocene Eurasia: Sex Matters	Diversity	10.3390/d10030065
Ferrari, Roselyne; Lacaze, Isabelle; Le Faouder, Pauline; Bertrand-Michel, Justine; Oger, Camille; Galano, Jean-Marie; Durand, Thierry; Moularat, Stéphane; Chan Ho Tong, Laetitia; Boucher, Charlie; Kilani, Jaafar; Petit, Yohann; Vanparis, Océane; Trannoy, César; Brun, Sylvain; Lalucque, Hervé; Malagnac, Fabienne; Silar, Philippe	Cyclooxygenases and lipoxygenases are used by the fungus <i>Podospora anserina</i> to repel nematodes	Biochimica et Biophysica Acta (BBA) - General Subjects	10.1016/j.bbagen.2018.07.012
GALLI, Thierry; Proux-Gillardeaux, Véronique	VAMP1/2/3/7	Encyclopedia of Signaling Molecules	
Caronni, Nicoletta; Simoncello, Francesca; Stafetta, Francesca; Guarnaccia, Corrado; Ruiz-Moreno, Juan Sebastian; Opitz, Bastian; Galli, Thierry; Proux-Gillardeaux, Veronique; Benvenuti, Federica	Downregulation of Membrane Trafficking Proteins and Lactate Conditioning Determine Loss of Dendritic Cell Function in Lung Cancer	Cancer Research	10.1158/0008-5472.CAN-17-1307
Chevalier, Nicolas R.; de Witte, Tinke-Marie; Cornelissen, Annemiek J. M.; Dufour, Sylvie; Proux-Gillardeaux, Véronique; Asnacios, Atef	Mechanical Tension Drives Elongational Growth of the Embryonic Gut	Scientific Reports	10.1038/s41598-018-24368-1
Konstantinides, Nikos; Degabriel, Sophie; Desplan, Claude	Neuro-evo-devo in the single cell sequencing era	Current Opinion in Systems Biology	10.1016/j.coisb.2018.08.001
Davie, Kristofer; Janssens, Jasper; Koldere, Duygu; De Waegeneer, Maxime; Pech, Uli; Kreft, Łukasz; Aibar, Sara; Makhzami, Samira; Christiaens, Valerie; Bravo González-Blas, Carmen; Poovathingal, Suresh; Hulselmans, Gert; Spanier, Katina I.; Moerman, Thomas; Vanspauwen, Bram; Geurs, Sarah; Voet, Thierry; Lammertyn, Jeroen; Thienpont, Bernard; Liu, Sha; Konstantinides, Nikos; Fiers, Mark; Verstreken, Patrik; Aerts, Stein	A Single-Cell Transcriptome Atlas of the Aging <i>Drosophila</i> Brain	Cell	10.1016/j.cell.2018.05.057
Konstantinides, Nikolaos; Kapuralin, Katarina; Fadil, Chaimaa; Barboza, Luendreo; Satija, Rahul; Desplan, Claude	Phenotypic Convergence: Distinct Transcription Factors Regulate Common Terminal Features	Cell	10.1016/j.cell.2018.05.021

Minc, Nicolas; Davi, Valeria; Tanimoto, Hirokazu; Arkowitz, Robert; Silva, Patricia	Method for the Real-Time Measurement of a Wall Thickness and Uses Thereof		
Bun, Philippe; Dmitrieff, Serge; Belmonte, Julio M; Nédélec, François J; Lénárt, Péter	A disassembly-driven mechanism explains F-actin-mediated chromosome transport in starfish oocytes	eLife	10.7554/eLife.31469
Mund, Markus; van der Beek, Johannes Albertus; Deschamps, Joran; Dmitrieff, Serge; Hoess, Philipp; Monster, Jooske Louise; Picco, Andrea; Nédélec, François; Kaksonen, Marko; Ries, Jonas	Systematic Nanoscale Analysis of Endocytosis Links Efficient Vesicle Formation to Patterned Actin Nucleation	Cell	10.1016/j.cell.2018.06.032
Freret-Hodara, Betty; Cui, Yi; Griveau, Amélie; Vigier, Lisa; Arai, Yoko; Touboul, Jonathan; Pierani, Alessandra	Enhanced Abventricular Proliferation Compensates Cell Death in the Embryonic Cerebral Cortex	Cerebral Cortex (New York, N.Y.: 1991)	10.1093/cercor/bhw264
López-Menéndez, Horacio; Rodríguez, José Félix	Towards the understanding of cytoskeleton fluidisation-solidification regulation	Biomechanics and Modeling in Mechanobiology	10.1007/s10237-017-0878-6
Nascimbeni, Anna Chiara; Giordano, Francesca; Dupont, Nicolas; Grasso, Daniel; Vaccaro, Maria I.; Codogno, Patrice; Morel, Etienne	ER-plasma membrane contact sites contribute to autophagosome biogenesis by regulation of local PI3P synthesis	The EMBO journal	10.15252/embj.201797006
Bulteau, Anne-Laure; Mena, Natalia P.; Auchère, Françoise; Lee, Irene; Prigent, Annick; Lobsiger, Christian S.; Camadro, Jean-Michel; Hirsch, Etienne C.	Dysfunction of mitochondrial Lon protease and identification of oxidized protein in mouse brain following exposure to MPTP: Implications for Parkinson disease	Free Radical Biology & Medicine	10.1016/j.freeradbiomed.2017.03.036
Defenouillère, Quentin; Fromont-Racine, Micheline	The ribosome-bound quality control complex: from aberrant peptide clearance to proteostasis maintenance	Current Genetics	10.1007/s00294-017-0708-5
Carlosama, Carolina; Elzaïat, Maëva; Patiño, Liliana C.; Mateus, Heidi E.; Veitia, Reiner A.; Laissue, Paul	A homozygous donor splice-site mutation in the meiotic gene MSH4 causes primary ovarian insufficiency	Human Molecular Genetics	10.1093/hmg/ddx199
Cerisier, Natacha; Regad, Leslie; Triki, Dhoha; Camproux, Anne-Claude; Petitjean, Michel	Cavity Versus Ligand Shape Descriptors: Application to Urokinase Binding Pockets	Journal of Computational Biology: A Journal of Computational Molecular Cell Biology	10.1089/cmb.2017.0061
Wong, Louise H.; Čopič, Alenka; Levine, Tim P.	Advances on the Transfer of Lipids by Lipid Transfer Proteins	Trends in Biochemical Sciences	10.1016/j.tibs.2017.05.001
Richarme, Gilbert; Liu, Cailing; Mihoub, Mouadh; Abdallah, Jad; Leger, Thibaut; Joly, Nicolas; Liebart, Jean-Claude; Jurkunas, Ula V.; Nadal, Marc; Bouloc, Philippe; Dairou, Julien; Lamouri, Aazdine	Guanine glycation repair by DJ-1/Park7 and its bacterial homologs	Science (New York, N.Y.)	10.1126/science.aag1095
Wioland, Hugo; Guichard, Berengere; Senju, Yosuke; Myram, Sarah; Lappalainen, Pekka; Jégou, Antoine; Romet-Lemonne, Guillaume	ADF/Cofilin Accelerates Actin Dynamics by Severing Filaments and Promoting Their Depolymerization at Both Ends	Current biology: CB	10.1016/j.cub.2017.05.048
Gard, Chris; Gonzalez Curto, Gloria; Frarma, Youcef El-Mokhtar; Chollet, Elodie; Duval, Nathalie; Auzié, Valentine; Auradé, Frédéric; Vigier, Lisa; Relaix, Frédéric; Pierani, Alessandra; Causeret, Frédéric; Ribes, Vanessa	Pax3- and Pax7-mediated Dbx1 regulation orchestrates the patterning of intermediate spinal interneurons	Developmental Biology	10.1016/j.ydbio.2017.06.014
Brustel, Julien; Kirstein, Nina; Izard, Fanny; Grimaud, Charlotte; Prorok, Paulina; Cayrou, Christelle; Schotta, Gunnar; Abdelsamie, Alhassan F.; Déjardin, Jérôme; Méchali, Marcel; Baldacci, Giuseppe; Sardet, Claude; Cadoret, Jean-Charles; Schepers, Aloys; Julien, Eric	Histone H4K20 tri-methylation at late-firing origins ensures timely heterochromatin replication	The EMBO journal	10.15252/embj.201796541
Hadjadj, Djihad; Kim, Su-Jung; Denecker, Thomas; Ben Driss, Laura; Cadoret, Jean-Charles; Maric, Chrystelle; Baldacci, Giuseppe; Fauchereau, Fabien	A hypothesis-driven approach identifies CDK4 and CDK6 inhibitors as candidate drugs for treatments of adrenocortical carcinomas	Aging	10.18632/aging.101356
Martino, Lisa; Morchoisne-Bolhy, Stéphanie; Cheerambathur, Dhanya K.; Van Hove, Lucie; Dumont, Julien; Joly, Nicolas; Desai, Arshad; Doye, Valérie; Pintard, Lionel	Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in <i>C. elegans</i>	Developmental Cell	10.1016/j.devcel.2017.09.019
Simonetti, Fabrizio; Candelli, Tito; Leon, Sebastien; Libri, Domenico; Rougemaille, Mathieu	Ubiquitination-dependent control of sexual differentiation in fission yeast	eLife	10.7554/eLife.28046

Yu, Libing; Winkelman, Jared T.; Pukhrambam, Chirangini; Strick, Terence R.; Nickels, Bryce E.; Ebright, Richard H.	The mechanism of variability in transcription start site selection	eLife	10.7554/eLife.32038
Luscan, Romain; Mechaussier, Sabrina; Paul, Antoine; Tian, Guoling; Gérard, Xavier; Defoort-Dellhemmes, Sabine; Loundon, Natalie; Audo, Isabelle; Bonnin, Sophie; LeGargasson, Jean-François; Dumont, Julien; Goudin, Nicolas; Garfa-Traoré, Meriem; Bras, Marc; Pouliet, Aurore; Bessières, Bettina; Boddaert, Nathalie; Sahel, José-Alain; Lyonnet, Stanislas; Kaplan, Josseline; Cowan, Nicholas J.; Rozet, Jean-Michel; Marlin, Sandrine; Perrault, Isabelle	Mutations in TUBB4B Cause a Distinctive Sensorineural Disease	American Journal of Human Genetics	10.1016/j.ajhg.2017.10.010
Fouquet, Baptiste; Pawlikowska, Patrycja; Caburet, Sandrine; Guigon, Celine; Mäkinen, Marika; Tanner, Laura; Hietala, Marja; Urbanska, Kaja; Bellutti, Laura; Legois, Bérangère; Bessieres, Bettina; Gougeon, Alain; Benachi, Alexandra; Livera, Gabriel; Rosselli, Filippo; Veitia, Reiner A.; Misrahi, Micheline	A homozygous FANCM mutation underlies a familial case of non-syndromic primary ovarian insufficiency	eLife	10.7554/eLife.30490
Özpolat, B. Duygu; Handberg-Thorsager, Mette; Vervoort, Michel; Balavoine, Guillaume	Cell lineage and cell cycling analyses of the 4d micromere using live imaging in the marine annelid <i>Platynereis dumerilii</i>	eLife	10.7554/eLife.30463
Advedissian, Tamara; Deshayes, Frédérique; Viguier, Mireille	Galectin-7 in Epithelial Homeostasis and Carcinomas	International Journal of Molecular Sciences	10.3390/ijms18122760
Benkaidali, Lydia; André, François; Moroy, Gautier; Tangour, Bahoueddine; Maurel, François; Petitjean, Michel	The Cytochrome P450 3A4 has three Major Conformations: New Clues to Drug Recognition by this Promiscuous Enzyme	Molecular Informatics	10.1002/minf.201700044
Paris, Françoise; Flatters, Delphine; Caburet, Sandrine; Legois, Bérangère; Servant, Nadège; Lefebvre, Hervé; Sultan, Charles; Veitia, Reiner A.	A novel variant of DHH in a familial case of 46,XY disorder of sex development: Insights from molecular dynamics simulations	Clinical Endocrinology	10.1111/cen.13420
Thomson, Suzanne E.; Charalambous, Chloe; Smith, Carol-Anne; Tsimbouri, Penelope M.; Déjardin, Theophile; Kingham, Paul J.; Hart, Andrew M.; Riehle, Mathis O.	Microtopographical cues promote peripheral nerve regeneration via transient mTORC2 activation	Acta Biomaterialia	10.1016/j.actbio.2017.07.031
Bonnet, Amandine; Grosso, Ana R.; Elkaoutari, Abdessamad; Coleno, Emeline; Presle, Adrien; Sridhara, Sreerama C.; Janbon, Guilhem; Géli, Vincent; de Almeida, Sérgio F.; Palancade, Benoit	Introns Protect Eukaryotic Genomes from Transcription-Associated Genetic Instability	Molecular Cell	10.1016/j.molcel.2017.07.002
Courtier-Orgogozo, Virginie; Morizot, Baptiste; Boëte, Christophe	Using CRISPR-based gene drive for agriculture pest control	EMBO reports	10.15252/embr.201744822
Léger, Thibaut; Garcia, Camille; Collomb, Laetitia; Camadro, Jean-Michel	A Simple Light Isotope Metabolic Labeling (SLIM-labeling) Strategy: A Powerful Tool to Address the Dynamics of Proteome Variations In Vivo	Molecular & cellular proteomics: MCP	10.1074/mcp.M117.066936
Veitia, Reiner A.	Gene Duplicates: Agents of Fragility? - A Reply to Landry and Diss	Trends in genetics: TIG	10.1016/j.tig.2017.07.013
Dickinson, Daniel J.; Schwager, Françoise; Pintard, Lionel; Gotta, Monica; Goldstein, Bob	A Single-Cell Biochemistry Approach Reveals PAR Complex Dynamics during Cell Polarization	Developmental Cell	10.1016/j.devcel.2017.07.024
Senac, Caroline; Urbach, Wladimir; Kurtisovski, Erol; Hünenberger, Philippe H.; Horta, Bruno A. C.; Taulier, Nicolas; Fuchs, Patrick F. J.	Simulating Bilayers of Nonionic Surfactants with the GROMOS-Compatible 2016H66 Force Field	Langmuir: the ACS journal of surfaces and colloids	10.1021/acs.langmuir.7b01348
Jabrani, Amira; Makamte, Staëlle; Moreau, Emilie; Gharbi, Yasmine; Plessis, Anne; Bruzzone, Lucia; Sanial, Matthieu; Biou, Valérie	Biophysical characterisation of the novel zinc binding property in Suppressor of Fused	Scientific Reports	10.1038/s41598-017-11203-2
Gaston, Cécile; Salomon, Julie; Goulet, Olivier; Delacour, Delphine	[The congenital tufting enteropathy, or when the intestine is under low cellular tension]	Medecine Sciences: M/S	10.1051/medsci/20173308003
Kawade, Kensuke; Tanimoto, Hirokazu; Horiguchi, Gorou; Tsukaya, Hirokazu	Spatially Different Tissue-Scale Diffusivity Shapes ANGUSTIFOLIA3 Gradient in Growing Leaves	Biophysical Journal	10.1016/j.bpj.2017.06.072

Strzalka, Agnieszka; Szafran, Marcin J.; Strick, Terence; Jakimowicz, Dagmara	C-terminal lysine repeats in Streptomyces topoisomerase I stabilize the enzyme-DNA complex and confer high enzyme processivity	Nucleic Acids Research	10.1093/nar/gkx827
Turner, David A.; Girgin, Mehmet; Alonso-Crisostomo, Luz; Trivedi, Vikas; Baillie-Johnson, Peter; Glodowski, Cherise R.; Hayward, Penelope C.; Collignon, Jérôme; Gustavsen, Carsten; Serup, Palle; Steventon, Benjamin; P Lutolf, Matthias; Arias, Alfonso Martinez	Anteroposterior polarity and elongation in the absence of extra-embryonic tissues and of spatially localised signalling in gastruloids: mammalian embryonic organoids	Development (Cambridge, England)	10.1242/dev.150391
Urcuqui-Inchima, Silvio; Cabrera, Jesús; Haenni, Anne-Lise	Interplay between dengue virus and Toll-like receptors, RIG-I/MDA5 and microRNAs: Implications for pathogenesis	Antiviral Research	10.1016/j.antiviral.2017.09.017
Ben Abdelkrim, Ahmed; Hattab, Tarek; Fakhfakh, Hatem; Belkadhi, Mohamed Sadok; Gorsane, Faten	A landscape genetic analysis of important agricultural pest species in Tunisia: The whitefly Bemisia tabaci	PLoS One	10.1371/journal.pone.0185724
Kaczmarek, Beata; Verbavatz, Jean-Marc; Jackson, Catherine L.	GBF1 and Arf1 function in vesicular trafficking, lipid homeostasis and organelle dynamics	Biology of the Cell	10.1111/boc.201700042
Luciano, Pierre; Jeon, Jongcheol; El-Kaoutari, Abdessamad; Challal, Drice; Bonnet, Amandine; Barucco, Mara; Candelli, Tito; Jourquin, Frederic; Lesage, Pascale; Kim, Jaehoon; Libri, Domenico; Géli, Vincent	Binding to RNA regulates Set1 function	Cell Discovery	10.1038/celldisc.2017.40
Dion, Johann; Advedissian, Tamara; Storozhylova, Nataliya; Dahbi, Samir; Lambert, Annie; Deshayes, Frédérique; Viguier, Mireille; Tellier, Charles; Poirier, Françoise; Téletchéa, Stéphane; Dussouy, Christophe; Tateno, Hiroaki; Hirabayashi, Jun; Grandjean, Cyrille	Development of a Sensitive Microarray Platform for the Ranking of Galectin Inhibitors: Identification of a Selective Galectin-3 Inhibitor	Chembiochem: A European Journal of Chemical Biology	10.1002/cbic.201700544
Manni, Marco M.; Derganc, Jure; Čopič, Alenka	Crowd-Sourcing of Membrane Fission: How crowding of non-specialized membrane-bound proteins contributes to cellular membrane fission	BioEssays: News and Reviews in Molecular, Cellular and Developmental Biology	10.1002/bies.201700117
Ladoux, Benoit; Mège, René-Marc	Mechanobiology of collective cell behaviours	Nature Reviews. Molecular Cell Biology	10.1038/nrm.2017.98
Sellés, Julien; Penrad-Mobayed, May; Guillaume, Cyndélia; Fuger, Alica; Auvray, Loïc; Faklaris, Orestis; Montel, Fabien	Nuclear pore complex plasticity during developmental process as revealed by super-resolution microscopy	Scientific Reports	10.1038/s41598-017-15433-2
Jupin, Isabelle; Ayach, Maya; Jomat, Lucile; Fioulaine, Sonia; Bressanelli, Stéphane	A mobile loop near the active site acts as a switch between the dual activities of a viral protease/deubiquitinase	PLoS pathogens	10.1371/journal.ppat.1006714
Laband, Kimberley; Le Borgne, Rémi; Edwards, Frances; Stefanutti, Marine; Canman, Julie C.; Verbavatz, Jean-Marc; Dumont, Julien	Chromosome segregation occurs by microtubule pushing in oocytes	Nature Communications	10.1038/s41467-017-01539-8
Xi, Wang; Sonam, Surabhi; Beng Saw, Thuan; Ladoux, Benoit; Teck Lim, Chwee	Emergent patterns of collective cell migration under tubular confinement	Nature Communications	10.1038/s41467-017-01390-x
Barnoud, Jonathan; Santuz, Hubert; Craveur, Pierrick; Joseph, Agnel Praveen; Jallu, Vincent; de Brevern, Alexandre G.; Poulain, Pierre	PBxplorer: a tool to analyze local protein structure and deformability with Protein Blocks	PeerJ	10.7717/peerj.4013
Andrade-Restrepo, Martín	Is Aggregate-Dependent Yeast Aging Fortuitous? A Model of Damage Segregation and Aggregate Dynamics	Biophysical Journal	10.1016/j.bpj.2017.09.033
Advedissian, Tamara; Proux-Gillardeaux, Véronique; Nkosi, Rachel; Peyret, Grégoire; Nguyen, Thao; Poirier, Françoise; Viguier, Mireille; Deshayes, Frédérique	E-cadherin dynamics is regulated by galectin-7 at epithelial cell surface	Scientific Reports	10.1038/s41598-017-17332-y
Bizzotto, Sara; Uzquiano, Ana; Dingli, Florent; Ershov, Dmitry; Houllier, Anne; Arras, Guillaume; Richards, Mark; Loew, Damarys; Minc, Nicolas; Croquelois, Alexandre; Houdusse, Anne; Francis, Fiona	Eml1 loss impairs apical progenitor spindle length and soma shape in the developing cerebral cortex	Scientific Reports	10.1038/s41598-017-15253-4

Elewa, Ahmed; Wang, Heng; Talavera-López, Carlos; Joven, Alberto; Brito, Gonçalo; Kumar, Anoop; Hameed, L. Shahul; Penrad-Mobayed, May; Yao, Zeyu; Zamani, Neda; Abbas, Yamen; Abdullayev, Ilgar; Sandberg, Rickard; Grabherr, Manfred; Andersson, Björn; Simon, András	Reading and editing the <i>Pleurodeles waltl</i> genome reveals novel features of tetrapod regeneration	Nature Communications	10.1038/s41467-017-01964-9
Poulet-Benedetti, Jérémy; Valton, Anne-Laure; Prioleau, Marie-Noëlle	[G-quadruplex: key controllers of human genome duplication]	Medecine Sciences: M/S	10.1051/medsci/20173312013
Moriceau, Lucille; Jomat, Lucile; Bressanelli, Stéphane; Alcaide-Loridan, Catherine; Jupin, Isabelle	Identification and Molecular Characterization of the Chloroplast Targeting Domain of Turnip yellow mosaic virus Replication Proteins	Frontiers in Plant Science	10.3389/fpls.2017.02138
Özpolat, B. Duygu; Handberg-Thorsager, Mette; Vervoort, Michel; Balavoine, Guillaume	Cell lineage and cell cycling analyses of the 4d micromere using live imaging in the marine annelid <i>Platynereis dumerilii</i>	eLife	10.7554/eLife.30463
Martino, Lisa; Morchoisne-Bolhy, Stéphanie; Cheerambathur, Dhanya K.; Van Hove, Lucie; Dumont, Julien; Joly, Nicolas; Desai, Arshad; Doye, Valérie; Pintard, Lionel	Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in <i>C. elegans</i>	Developmental Cell	10.1016/j.devcel.2017.09.019
Martino, Lisa; Morchoisne-Bolhy, Stéphanie; Cheerambathur, Dhanya K.; Van Hove, Lucie; Dumont, Julien; Joly, Nicolas; Desai, Arshad; Doye, Valérie; Pintard, Lionel	Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in <i>C. elegans</i>	Developmental Cell	10.1016/j.devcel.2017.09.019
Laband, Kimberley; Le Borgne, Rémi; Edwards, Frances; Stefanutti, Marine; Canman, Julie C.; Verbavatz, Jean-Marc; Dumont, Julien	Chromosome segregation occurs by microtubule pushing in oocytes	Nature Communications	10.1038/s41467-017-01539-8
Simonetti, Fabrizio; Candelli, Tito; Leon, Sebastien; Libri, Domenico; Rougemaille, Mathieu	Ubiquitination-dependent control of sexual differentiation in fission yeast	eLife	10.7554/eLife.28046
Sarangi, Bibhu Ranjan; Gupta, Mukund; Doss, Bryant L.; Tissot, Nicolas; Lam, France; Mège, René-Marc; Borghi, Nicolas; Ladoux, Benoît	Coordination between Intra- and Extracellular Forces Regulates Focal Adhesion Dynamics	Nano Letters	10.1021/acs.nanolett.6b04364
Pagan, Cécile; Goubran-Botros, Hany; Delorme, Richard; Benabou, Marion; Lemièrre, Nathalie; Murray, Kerren; Amsellem, Frédérique; Callebert, Jacques; Chaste, Pauline; Jamain, Stéphane; Fauchereau, Fabien; Hugué, Guillaume; Maronde, Erik; Leboyer, Marion; Launay, Jean-Marie; Bourgeron, Thomas	Disruption of melatonin synthesis is associated with impaired 14-3-3 and miR-451 levels in patients with autism spectrum disorders	Scientific Reports	10.1038/s41598-017-02152-x
Léger, Thibaut; Garcia, Camille; Collomb, Laetitia; Camadro, Jean-Michel	A Simple Light Isotope Metabolic Labeling (SLIM-labeling) Strategy: A Powerful Tool to Address the Dynamics of Proteome Variations In Vivo*	Molecular & Cellular Proteomics	10.1074/mcp.M117.066936
Rouzier, Cécile; Moore, David; Delorme, Cécile; Lacas-Gervais, Sandra; Ait-El-Mkadem, Samira; Fragaki, Konstantina; Burté, Florence; Serre, Valérie; Bannwarth, Sylvie; Chausseot, Annabelle; Catala, Martin; Yu-Wai-Man, Patrick; Paquis-Flucklinger, Véronique	A novel <i>CISD2</i> mutation associated with a classical Wolfram syndrome phenotype alters Ca ²⁺ homeostasis and ER-mitochondria interactions	Human Molecular Genetics	10.1093/hmg/ddx060
Gerber, Sylvie; Ding, Martina G.; Gérard, Xavier; Zwicker, Klaus; Zanlonghi, Xavier; Rio, Marlène; Serre, Valérie; Hanein, Sylvain; Munnich, Arnold; Rotig, Agnès; Bianchi, Lucas; Amati-Bonneau, Patrizia; Elpeleg, Orly; Kaplan, Josseline; Brandt, Ulrich; Rozet, Jean-Michel	Compound heterozygosity for severe and hypomorphic <i>NDUFS2</i> mutations cause non-syndromic LHON-like optic neuropathy	Journal of Medical Genetics	10.1136/jmedgenet-2016-104212

Ait-El-Mkadem, Samira; Dayem-Quere, Manal; Gusic, Mirjana; Chausseot, Annabelle; Bannwarth, Sylvie; François, Bérengère; Genin, Emmanuelle C.; Fragaki, Konstantina; Volker-Touw, Catharina L. M.; Vasnier, Christelle; Serre, Valérie; van Gassen, Koen L. I.; Lespinasse, Françoise; Richter, Susan; Eisenhofer, Graeme; Rouzier, Cécile; Mochel, Fanny; De Saint-Martin, Anne; Abi Warde, Marie-Thérèse; de Sain-van der Velde, Monique G. M.; Jans, Judith J. M.; Amiel, Jeanne; Avsec, Ziga; Mertes, Christian; Haack, Tobias B.; Strom, Tim; Meitinger, Thomas; Bonnen, Penelope E.; Taylor, Robert W.; Gagneur, Julien; van Hasselt, Peter M.; Rötig, Agnès; Delahodde, Agnès; Prokisch, Holger; Fuchs, Sabine A.; Paquis-Flucklinger, Véronique	Mutations in MDH2, Encoding a Krebs Cycle Enzyme, Cause Early-Onset Severe Encephalopathy	The American Journal of Human Genetics	10.1016/j.ajhg.2016.11.014
Barroca, Vilma; Lewandowski, Daniel; Jaracz-Ros, Agnieszka; Hardouin, Sylvie-Nathalie	Paternal Insulin-like Growth Factor 2 (Igf2) Regulates Stem Cell Activity During Adulthood	EBioMedicine	10.1016/j.ebiom.2016.11.035
Courtier-Orgogozo, Virginie; Martin, Arnaud	Predicting the genetic loci of past evolution		10.1101/205153
Martin, Arnaud; Courtier-Orgogozo, Virginie	Morphological Evolution Repeatedly Caused by Mutations in Signaling Ligand Genes	Diversity and Evolution of Butterfly Wing Patterns: An Integrative Approach	
Courtier-Orgogozo, Virginie; Morizot, Baptiste; Boëte, Christophe	Agricultural pest control with CRISPR-based gene drive: time for public debate	EMBO reports	10.15252/embr.201744205
Eychenne, Thomas; Werner, Michel; Soutourina, Julie	Toward understanding of the mechanisms of Mediator function in vivo: Focus on the preinitiation complex assembly	Transcription	10.1080/21541264.2017.1329000
Martino, Lisa; Morchoisne-Bolhy, Stéphanie; Cheerambathur, Dhanya K.; Van Hove, Lucie; Dumont, Julien; Joly, Nicolas; Desai, Arshad; Doye, Valérie; Pintard, Lionel	Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in <i>C. elegans</i>	Developmental Cell	10.1016/j.devcel.2017.09.019
Bonnet, Amandine; Grosso, Ana R.; Elkaoutari, Abdessamad; Coleno, Emeline; Presle, Adrien; Sridhara, Sreerama C.; Janbon, Guilhem; Géli, Vincent; de Almeida, Sérgio F.; Palancade, Benoit	Introns Protect Eukaryotic Genomes from Transcription-Associated Genetic Instability	Molecular Cell	10.1016/j.molcel.2017.07.002
Arnaiz, Olivier; Van Dijk, Erwin; Bétermier, Mireille; Lhuillier-Akakpo, Maoussi; de Vanssay, Augustin; Duharcourt, Sandra; Sallet, Erika; Gouzy, Jérôme; Sperling, Linda	Improved methods and resources for paramecium genomics: transcription units, gene annotation and gene expression	BMC Genomics	10.1186/s12864-017-3887-z
Guérin, Frédéric; Arnaiz, Olivier; Boggetto, Nicole; Denby Wilkes, Cyril; Meyer, Eric; Sperling, Linda; Duharcourt, Sandra	Flow cytometry sorting of nuclei enables the first global characterization of Paramecium germline DNA and transposable elements	BMC Genomics	10.1186/s12864-017-3713-7
Davies, T.; Sundaramoorthy, S.; Jordan, S. N.; Shirasu-Hiza, M.; Dumont, J.; Canman, J. C.	Chapter 17 - Using fast-acting temperature-sensitive mutants to study cell division in <i>Caenorhabditis elegans</i>	Methods in Cell Biology	
Zhuravlev, Yelena; Hirsch, Sophia M.; Jordan, Shawn N.; Dumont, Julien; Shirasu-Hiza, Mimi; Canman, Julie C.	CYK-4 regulates Rac, but not Rho, during cytokinesis	Molecular Biology of the Cell	10.1091/mbc.e17-01-0020
Sundaramoorthy, Sriramkumar; Badaracco, Adrian Garcia; Hirsch, Sophia M.; Park, Jun Hong; Davies, Tim; Dumont, Julien; Shirasu-Hiza, Mimi; Kummel, Andrew C.; Canman, Julie C.	Low efficiency upconversion nanoparticles for high-resolution coalignment of near-infrared and visible light paths on a light microscope	ACS applied materials & interfaces	10.1021/acsami.6b15322
Botebol, Hugo; Lelandais, Gaele; Six, Christophe; Lesuisse, Emmanuel; Meng, Arnaud; Bittner, Lucie; Lecrom, Stéphane; Sutak, Robert; Lozano, Jean-Claude; Schatt, Philippe; Vergé, Valérie; Blain, Stéphane; Bouget, François-Yves	Acclimation of a low iron adapted <i>Ostreococcus</i> strain to iron limitation through cell biomass lowering	Scientific Reports	10.1038/s41598-017-00216-6
Gergondey, Rachel; Garcia, Camille; Marchand, Christophe H.; Lemaire, Stéphane D.; Camadro, Jean-Michel; Auchère, Françoise	Modulation of the specific glutathionylation of mitochondrial proteins in the yeast <i>Saccharomyces cerevisiae</i> under basal and stress conditions	The Biochemical Journal	10.1042/BCJ20160927

Gigant, Emmanuelle; Stefanutti, Marine; Laband, Kimberley; Gluszek-Kustusz, Agata; Edwards, Frances; Lacroix, Benjamin; Maton, Gilliane; Canman, Julie C.; Welburn, Julie P. I.; Dumont, Julien	Inhibition of ectopic microtubule assembly by the kinesin-13 KLP-7 prevents chromosome segregation and cytokinesis defects in oocytes	Development	10.1242/dev.147504
Davies, T.; Sundaramoorthy, S.; Jordan, S. N.; Shirasu-Hiza, M.; Dumont, J.; Canman, J. C.	Chapter 17 - Using fast-acting temperature-sensitive mutants to study cell division in <i>Caenorhabditis elegans</i>	Methods in Cell Biology	
Fierro-Constaín, Laura; Schenkelaars, Quentin; Gazave, Eve; Haguenaer, Anne; Rocher, Caroline; Ereskovsky, Alexander; Borchiellini, Carole; Renard, Emmanuelle	The Conservation of the Germline Multipotency Program, from Sponges to Vertebrates: A Stepping Stone to Understanding the Somatic and Germline Origins	Genome Biology and Evolution	10.1093/gbe/evw289
Geigl, Eva-Maria	Le peuplement de l'Europe vu par la paléogénomique	Archéologie des migrations	
	How cats conquered the Ancient world: a 9,000-years DNA tale	TheScienceBreaker	10.25250/thescbr.brk062
Guimaraes, S.; Pruvost, M.; Daligault, J.; Stoetzel, E.; Bennett, E. A.; Côté, N. M.-L.; Nicolas, V.; Lalis, A.; Denys, C.; Geigl, E.-M.; Grange, T.	A cost-effective high-throughput metabarcoding approach powerful enough to genotype 44 000 year-old rodent remains from Northern Africa	Molecular Ecology Resources	10.1111/1755-0998.12565
Otoni, Claudio; Van Neer, Wim; De Cupere, Bea; Daligault, Julien; Guimaraes, Silvia; Peters, Joris; Spassov, Nikolai; Prendergast, Mary E.; Boivin, Nicole; Morales-Muñiz, Arturo; Bălăşescu, Adrian; Becker, Cornelia; Benecke, Norbert; Boroneant, Adina; Buitenhuis, Hylke; Chahoud, Jwana; Crowther, Alison; Llorente, Laura; Manaseryan, Nina; Monchot, Hervé; Onar, Vedat; Osypińska, Marta; Putelat, Olivier; Quintana Morales, Eréndira M.; Studer, Jacqueline; Wierer, Ursula; Decorte, Ronny; Grange, Thierry; Geigl, Eva-Maria	The palaeogenetics of cat dispersal in the ancient world	Nature Ecology & Evolution	10.1038/s41559-017-0139
Jouette, Julie; Claret, Sandra; Guichet, Antoine	Phosphoinositides and Cell Polarity in the <i>Drosophila</i> Egg Chamber	Oocytes: Maternal Information and Functions	
Tissot, Nicolas; Lepesant, Jean-Antoine; Bernard, Fred; Legent, Kevin; Bosveld, Floris; Martin, Charlotte; Faklaris, Orestis; Bellaïche, Yohanns; Coppey, Maïté; Guichet, Antoine	Distinct molecular cues ensure a robust microtubule-dependent nuclear positioning in the <i>Drosophila</i> oocyte	Nature Communications	10.1038/ncomms15168
White, Pamela M; Serbus, Laura R; Debec, Alain; Codina, Adan; Bray, Walter; Guichet, Antoine; Lokey, R Scott; Sullivan, William	Reliance of <i>Wolbachia</i> on High Rates of Host Proteolysis Revealed by a Genome-Wide RNAi Screen of <i>Drosophila</i> Cells	Genetics	10.1534/genetics.116.198903
Xie, Ning; Ruprich-Robert, Gwenaél; Chapeland-Leclerc, Florence; Coppin, Evelyne; Lalucque, Hervé; Brun, Sylvain; Debuchy, Robert; Silar, Philippe	Inositol-phosphate signaling as mediator for growth and sexual reproduction in <i>Podospora anserina</i>	Developmental Biology	10.1016/j.ydbio.2017.06.017
Shevchenko, Anna; Yang, Yimin; Knaust, Andrea; Verbavatz, Jean-Marc; Mai, Huijuan; Wang, Bo; Wang, Changsui; Shevchenko, Andrej	Open sesame: Identification of sesame oil and oil soot ink in organic deposits of Tang Dynasty lamps from Astana necropolis in China	PLOS ONE	10.1371/journal.pone.0158636
Chevalier, N. R.; Fleury, V.; Dufour, S.; Proux-Gillardeaux, V.; Asnacios, A.	Emergence and development of gut motility in the chicken embryo	PLOS ONE	10.1371/journal.pone.0172511
Meyer, Kirstin; Ostrenko, Oleksandr; Bourantas, Georgios; Morales-Navarrete, Hernan; Porat-Shliom, Natalie; Segovia-Miranda, Fabian; Nonaka, Hidenori; Ghaemi, Ali; Verbavatz, Jean-Marc; Brusch, Lutz; Sbalzarini, Ivo; Kalaidzidis, Yannis; Weigert, Roberto; Zerial, Marino	A Predictive 3D Multi-Scale Model of Biliary Fluid Dynamics in the Liver Lobule	Cell Systems	10.1016/j.cels.2017.02.008
Müller, Andreas; Neukam, Martin; Ivanova, Anna; Sönmez, Anke; Münster, Carla; Kretschmar, Susanne; Kalaidzidis, Yannis; Kurth, Thomas; Verbavatz, Jean-Marc; Solimena, Michele	A Global Approach for Quantitative Super Resolution and Electron Microscopy on Cryo and Epoxy Sections Using Self-labeling Protein Tags	Scientific Reports	10.1038/s41598-017-00033-x

Advedissian, Tamara; Proux-Gillardeaux, Véronique; Nkosi, Rachel; Peyret, Grégoire; Nguyen, Thao; Poirier, Françoise; Viguier, Mireille; Deshayes, Frédérique	E-cadherin dynamics is regulated by galectin-7 at epithelial cell surface	Scientific Reports	10.1038/s41598-017-17332-y
Perry, Michael; Konstantinides, Nikos; Pinto-Teixeira, Filipe; Desplan, Claude	Generation and Evolution of Neural Cell Types and Circuits: Insights from the Drosophila Visual System	Annual Review of Genetics	10.1146/annurev-genet-120215-035312
Tarle, Victoria; Gauquelin, Estelle; Vedula, S. R. K.; D'Alessandro, Joseph; Lim, C. T.; Ladoux, Benoit; Gov, Nir S.	Modeling collective cell migration in geometric confinement	Physical Biology	10.1088/1478-3975/aa6591
Bertocchi, Cristina; Wang, Yilin; Ravasio, Andrea; Hara, Yusuke; Wu, Yao; Sailov, Talgat; Baird, Michelle A.; Davidson, Michael W.; Zaidel-Bar, Ronen; Toyama, Yusuke; Ladoux, Benoit; Mege, Rene-Marc; Kanchanawong, Pakorn	Nanoscale architecture of cadherin-based cell adhesions	Nature Cell Biology	10.1038/ncb3456
Saw, Thuan Beng; Doostmohammadi, Amin; Nier, Vincent; Kocgozlu, Leyla; Thampi, Sumesh; Toyama, Yusuke; Marcq, Philippe; Lim, Chwee Teck; Yeomans, Julia M.; Ladoux, Benoit	Topological defects in epithelia govern cell death and extrusion	Nature	10.1038/nature21718
Sanial, Matthieu; Bécam, Isabelle; Hofmann, Line; Behague, Julien; Argüelles, Camilla; Gourhand, Vanessa; Bruzzone, Lucia; Holmgren, Robert A.; Plessis, Anne	Dose-dependent transduction of Hedgehog relies on phosphorylation-based feedback between the G-protein-coupled receptor Smoothed and the kinase Fused	Development	10.1242/dev.144782
Jabrani, Amira; Makamte, Staëlle; Moreau, Emilie; Gharbi, Yasmine; Plessis, Anne; Bruzzone, Lucia; Sanial, Matthieu; Biou, Valérie	Biophysical characterisation of the novel zinc binding property in Suppressor of Fused	Scientific Reports	10.1038/s41598-017-11203-2
Hovsepian, Junie; Defenouillère, Quentin; Albanèse, Véronique; Váchová, Libuše; Garcia, Camille; Palková, Zdena; Léon, Sébastien	Multilevel regulation of an α -arrestin by glucose depletion controls hexose transporter endocytosis	Journal of Cell Biology	10.1083/jcb.201610094
Dumollard, Rémi; Minc, Nicolas; Salez, Gregory; Aicha, Sameh Ben; Bekkouche, Faisal; Hebras, Céline; Besnardeau, Lydia; McDougall, Alex	The invariant cleavage pattern displayed by ascidian embryos depends on spindle positioning along the cell's longest axis in the apical plane and relies on asynchronous cell divisions	eLife	10.7554/eLife.19290
Haupt, Armin; Minc, Nicolas	Gradients of phosphatidylserine contribute to plasma membrane charge localization and cell polarity in fission yeast	Molecular Biology of the Cell	10.1091/mbc.e16-06-0353
Salomon, Julie; Gaston, Cécile; Magescas, Jérémy; Duvauchelle, Boris; Canioni, Danielle; Sengmanivong, Lucie; Mayeux, Adeline; Michaux, Grégoire; Campeotto, Florence; Lemale, Julie; Viala, Jérôme; Poirier, Françoise; Minc, Nicolas; Schmitz, Jacques; Brousse, Nicole; Ladoux, Benoit; Goulet, Olivier; Delacour, Delphine	Contractile forces at tricellular contacts modulate epithelial organization and monolayer integrity	Nature Communications	10.1038/ncomms13998
Dmitrieff, Serge; Alsina, Adolfo; Mathur, Aastha; Nédélec, François J.	Balance of microtubule stiffness and cortical tension determines the size of blood cells with marginal band across species	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1618041114
Frémont, Stéphane; Romet-Lemonne, Guillaume; Houdusse, Anne; Echard, Arnaud	Emerging roles of MICAL family proteins – from actin oxidation to membrane trafficking during cytokinesis	Journal of Cell Science	10.1242/jcs.202028
Frémont, Stéphane; Hammich, Hussein; Bai, Jian; Wioland, Hugo; Klinkert, Kerstin; Rocancourt, Murielle; Kikuti, Carlos; Stroebel, David; Romet-Lemonne, Guillaume; Pylypenko, Olena; Houdusse, Anne; Echard, Arnaud	Oxidation of F-actin controls the terminal steps of cytokinesis	Nature Communications	10.1038/ncomms14528
Veitia, Reiner A.; Govindaraju, Diddahally R.; Bottani, Samuel; Birchler, James A.	Aging: Somatic Mutations, Epigenetic Drift and Gene Dosage Imbalance	Trends in Cell Biology	10.1016/j.tcb.2016.11.006
Elzaïat, M.; Todeschini, A.-L.; Caburet, S.; Veitia, R.a.	The genetic make-up of ovarian development and function: the focus on the transcription factor FOXL2	Clinical Genetics	10.1111/cge.12862
Veitia, Reiner A.	A Fresh Look at 'Aging' Proteins	Trends in Biochemical Sciences	10.1016/j.tibs.2016.11.001

Bottani, Samuel; Veitia, Reiner A.	Hill function-based models of transcriptional switches: impact of specific, nonspecific, functional and nonfunctional binding	Biological Reviews	10.1111/brv.12262
Baetens, Dorien; Stoop, Hans; Peelman, Frank; Todeschini, Anne-Laure; Rosseel, Toon; Coppieters, Frauke; Veitia, Reiner A.; Looijenga, Leendert H. J.; De Baere, Elfride; Cools, Martine	NR5A1 is a novel disease gene for 46,XX testicular and ovotesticular disorders of sex development	Genetics in Medicine	10.1038/gim.2016.118
	Zotpress « Institut Jacques Monod — WordPress		
	Complex Response of the Chlorarachniophyte Bigeloviella natans to Iron Availability mSystems		
	novel CISD2 mutation associated with a classical Wolfram syndrome phenotype alters Ca ²⁺ homeostasis and ER-mitochondria interactions Human Molecular Genetics Oxford Academic		
	Modulation of the specific glutathionylation of mitochondrial proteins in the yeast Saccharomyces cerevisiae under basal and stress conditions Biochemical Journal Portland Press		
	Acclimation of a low iron adapted Ostreococcus strain to iron limitation through cell biomass lowering Scientific Reports		
	Multifaceted modes of γ -tubulin complex recruitment and microtubule nucleation at mitotic centrosomes bioRxiv		
	Immunostaining of Whole-Mount Drosophila Testes for 3D Confocal Analysis of Large Spermatocytes		
	Inhibition of ectopic microtubule assembly by the kinesin-13 KLP-7 prevents chromosome segregation and cytokinesis defects in oocytes Development The Company of Biologists		
	Modulation of the specific glutathionylation of mitochondrial proteins in the yeast Saccharomyces cerevisiae under basal and stress conditions Biochemical Journal Portland Press		
	An integrated model for termination of RNA polymerase III transcription Science Advances		
	La science à contrepied Belin éditeur		
	The Notch pathway in the annelid Platynereis: insights into chaetogenesis and neurogenesis processes Open Biology		
	Les Big Data à découvert - CNRS Editions		
	Le dolmen de Saint-Eugène : autopsie d'une sépulture collective néolithique – AEP		
	Why haven't cats evolved since domestication, unlike other animals?	New Scientist	
	GUN Mutants: New Weapons To Unravel Ascospore Germination Regulation in the Model Fungus Podospora anserina Microbiology Spectrum		
	Soluble tubulin is significantly enriched at mitotic centrosomes Journal of Cell Biology Rockefeller University Press		
	Figures and data in PLK-1 promotes the merger of the parental genome into a single nucleus by triggering lamina disassembly eLife		
	Coordination between Intra- and Extracellular Forces Regulates Focal Adhesion Dynamics Nano Letters		

	Following Anterograde Transport of Phosphatidylserine in Yeast in Real Time SpringerLink		
	Balance of microtubule stiffness and cortical tension determines the size of blood cells with marginal band across species PNAS		
	Systematic Nanoscale Analysis of Endocytosis Links Efficient Vesicle Formation to Patterned Actin Nucleation - ScienceDirect		
	Balance of microtubule stiffness and cortical tension determines the size of blood cells with marginal band across species PNAS		
	Primary ovarian insufficiency, meiosis and DNA repair - ScienceDirect		
	Homozygous hypomorphic BRCA2 variant in primary ovarian insufficiency without cancer or Fanconi anaemia trait Journal of Medical Genetics		
	An integrated model for termination of RNA polymerase III transcription Science Advances		
Xie, Juanjuan; Aiello, Umberto; Clement, Yves; Haidara, Nouhou; Girbig, Mathias; Schmitzova, Jana; Pena, Vladimir; Müller, Christoph W.; Libri, Domenico; Porrua, Odil	An integrated model for termination of RNA polymerase III transcription	Science Advances	10.1126/sciadv.abm9875