



Ludger Johannes Directeur d'unité, DRE INSERM

EQUIPE JOHANNES

Directeur d'unité, DRE INSERM

ludger.johannes@curie.fr Tél : +33 1 56 24 63 51

On 22 May 2019, Professor Ludger Johannes, Paris, France, was elected for membership to the [German National Academy of Sciences Leopoldina](#).

## Publications clés

### Année de publication : 2019

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Gehrmann U1,2, Burbage M3, Zueva E3, Goudot C3, Esnault C4, Ye M3, Carpiert JM3, Burgdorf N3, Hoyler T3, Suarez G3, Joannas L3, Heurtebise-Chrétien S3, Durand S5,6, Panes R7,8, Bellemare-Pelletier A8, Sáez PJ3, Aprahamian F5,6, Lefevre D5,6, Adoue V9, Zine El Aabidine A4, Muhammad Ahmad M4, Hivroz C3, Joffre O10, Cammas F11,12, Kroemer G5,6,13,14,15, Gagnon E7,8, Andrau JC4, Amigorena S1. (2019 Dec 17)

**Critical role for TRIM28 and HP1 $\beta/\gamma$  in the epigenetic control of T cell metabolic reprogramming and effector differentiation.**

*Proceedings of the National Academy of Sciences* : 116 : Proc Natl Acad Sci U S A. 2019 Dec 17;116(51):25839-25849. doi: 10.1073/pnas.1901639116. Epub 2019 Nov 27. : 25839,25849 :

DOI : [10.1073/pnas.1901639116](https://doi.org/10.1073/pnas.1901639116)

### Année de publication : 2017

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Mijo Simunovic, Jean-Baptiste Manneville, Henri-François Renard, Emma Evergren, Krishnan Raghunathan, Dhiraj Bhatia, Anne K. Kenworthy, Gregory A. Voth, Jacques Prost, Harvey T. McMahon, Ludger Johannes, Patricia Bassereau\*, Andrew Callan-Jones\* (2017 Jun 22)

**Friction mediates scission of tubular membranes scaffolded by BAR proteins**

*Cell* : 170 : 172-184 : [DOI : 10.1016/j.cell.2017.05.047](https://doi.org/10.1016/j.cell.2017.05.047)

**Année de publication : 2016**

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Daniela Chmiest, Nanaocha Sharma, Natacha Zanin, Christine Viaris de Lesegno, Massiullah Shafaq-Zadah, Vonick Sibut, Florent Dingli, Philippe Hupé, Stephan Wilmes, Jacob Piehler, Damarys Loew, Ludger Johannes, Gideon Schreiber, Christophe Lamaze (2016 Dec 6)

**Spatiotemporal control of interferon-induced JAK/STAT signalling and gene transcription by the retromer complex.**

*Nature communications* : 13476 : [DOI : 10.1038/ncomms13476](https://doi.org/10.1038/ncomms13476)

Mijo Simunovic, Emma Evergren, Ivan Golushko, Coline Prévost, Henri-François Renard, Ludger Johannes, Harvey T McMahon, Vladimir Lorman, Gregory A Voth, Patricia Bassereau (2016 Oct 4)

**How curvature-generating proteins build scaffolds on membrane nanotubes.**

*Proceedings of the National Academy of Sciences of the United States of America* : 113 : [DOI : 10.1073/pnas.1606943113](https://doi.org/10.1073/pnas.1606943113)

Cédric M Blouin, Yannick Hamon, Pauline Gonnord, Cédric Boularan, Jérémy Kagan, Christine Viaris de Lesegno, Richard Ruez, Sébastien Mailfert, Nicolas Bertaux, Damarys Loew, Christian Wunder, Ludger Johannes, Guillaume Vogt, Francesc-Xabier Contreras, Didier Marguet, Jean-Laurent Casanova, Céline Galès, Hai-Tao He, Christophe Lamaze (2016 Aug 9)

**Glycosylation-Dependent IFN- $\gamma$ R Partitioning in Lipid and Actin Nanodomains Is Critical for JAK Activation.**

*Cell* : 920-34 : [DOI : 10.1016/j.cell.2016.07.003](https://doi.org/10.1016/j.cell.2016.07.003)

**Année de publication : 2013**

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Emmanuelle Girard, Daniela Chmiest, Natalie Fournier, Ludger Johannes, Jean-Louis Paul, Benoît Védie, Christophe Lamaze (2013 Sep 17)

**Rab7 is functionally required for selective cargo sorting at the early endosome.**

*Traffic (Copenhagen, Denmark)* : 309-26 : [DOI : 10.1111/tra.12143](https://doi.org/10.1111/tra.12143)

Federico Sandoval, Magali Terme, Mevyn Nizard, Cécile Badoual, Michel-Francis Bureau, Ludovic Freyburger, Olivier Clement, Elie Marcheteau, Alain Gey, Guillaume Fraise, Cécilia Bouguin, Nathalie Merillon, Estelle Dransart, Thi Tran, Françoise Quintin-Colonna, Gwennhael Autret, Marine Thiebaud, Muhammad Suleman, Muhammed Suleman, Sabine Riffault, Tzyy-Chou Wu, Odile Launay, Claire Danel, Julien Taieb, Jennifer Richardson, Laurence Zitvogel, Wolf H Fridman, Ludger Johannes, Eric Tartour (2013 Feb 15)

**Mucosal imprinting of vaccine-induced CD8<sup>+</sup> T cells is crucial to inhibit the growth of mucosal tumors.**

*Science translational medicine* : 172ra20 : [DOI : 10.1126/scitranslmed.3004888](https://doi.org/10.1126/scitranslmed.3004888)

**Année de publication : 2012**

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Giovanni D'Angelo, Takefumi Uemura, Chia-Chen Chuang, Elena Polishchuk, Michele Santoro, Henna Ohvo-Rekilä, Takashi Sato, Giuseppe Di Tullio, Antonio Varriale, Sabato D'Auria, Tiziana Daniele, Fabrizio Capuani, Ludger Johannes, Peter Mattjus, Maria Monti, Piero Pucci, Roger L Williams, John E Burke, Frances M Platt, Akihiro Harada, Maria Antonietta De Matteis (2012 Jun 21)

**Vesicular and non-vesicular transport feed distinct glycosylation pathways in the Golgi.**

*Nature* : 116-20 : [DOI : 10.1038/nature12423](https://doi.org/10.1038/nature12423)

**Année de publication : 2010**

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Bidisha Sinha, Darius Köster, Richard Ruez, Pauline Gonnord, Michele Bastiani, Daniel Abankwa, Radu V Stan, Gillian Butler-Browne, Benoit Védie, Ludger Johannes, Nobuhiro Morone, Robert G Parton, Graça Raposo, Pierre Sens, Christophe Lamaze, Pierre Nassoy (2010 Jan 7)

**Cells respond to mechanical stress by rapid disassembly of caveolae.**

*Cell* : 402-13 : [DOI : 10.1016/j.cell.2010.12.031](https://doi.org/10.1016/j.cell.2010.12.031)

**Année de publication : 2009**

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Bahne Stechmann, Siau-Kun Bai, Emilie Gobbo, Roman Lopez, Goulven Merer, Suzy Pinchard, Laetitia Panigai, Danièle Tenza, Graça Raposo, Bruno Beaumelle, Didier Sauvaire, Daniel Gillet, Ludger Johannes, Julien Barbier (2009 Jul 30)

**Inhibition of retrograde transport protects mice from lethal ricin challenge.**

*Cell* : 231-42 : [DOI : 10.1016/j.cell.2010.01.043](https://doi.org/10.1016/j.cell.2010.01.043)

Julie Claudinon, Pauline Gonnord, Emilie Beslard, Marta Marchetti, Keith Mitchell, Cédric Boularan, Ludger Johannes, Pierre Eid, Christophe Lamaze (2009 Jun 26)

**Palmitoylation of interferon-alpha (IFN-alpha) receptor subunit IFNAR1 is required for the activation of Stat1 and Stat2 by IFN-alpha.**

*The Journal of biological chemistry* : 24328-40 : [DOI : 10.1074/jbc.M109.021915](https://doi.org/10.1074/jbc.M109.021915)

**Année de publication : 2007**

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Winfried Römer, Ludwig Berland, Valérie Chambon, Katharina Gaus, Barbara Windschiegel, Danièle Tenza, Mohamed R E Aly, Vincent Fraisier, Jean-Claude Florent, David Perrais, Christophe Lamaze, Graça Raposo, Claudia Steinem, Pierre Sens, Patricia Bassereau, Ludger Johannes (2007 Aug 15)

**Shiga toxin induces tubular membrane invaginations for its uptake into cells.**

*Nature* : 450 : 670-675 : [DOI : 10.1038/nature05996](https://doi.org/10.1038/nature05996)



## Membres de l'équipe Trafic endocytiq ue et ciblage intracellulaire

Abdessamad El Alaoui, Frédéric Schmidt, Mohamed Amessou, Marianne Sarr, Didier Decaudin, Jean-Claude Florent, Ludger Johannes (2007 Jul 25)

**Shiga toxin-mediated retrograde delivery of a topoisomerase I inhibitor prodrug.**

*Angewandte Chemie (International ed. in English)* : 6469-72

**Année de publication : 2006**

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Marta Marchetti, Marie-Noelle Monier, Alexandre Fradagrada, Keith Mitchell, Florence Baychelier, Pierre Eid, Ludger Johannes, Christophe Lamaze (2006 Apr 19)

**Stat-mediated signaling induced by type I and type II interferons (IFNs) is differentially controlled through lipid microdomain association and clathrin-dependent endocytosis of IFN receptors.**

*Molecular biology of the cell* : 2896-909