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**EQUIPE MANEL**

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## Publications clés

Année de publication : 2020

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A J Lomakin, C J Cattin, D Cuvelier, Z Alraies, M Molina, G P F Nader, N Srivastava, P J Sáez, J M Garcia-Arcos, I Y Zhitnyak, A Bhargava, M K Driscoll, E S Welf, R Fiolka, R J Petrie, N S De Silva, J M González-Granado, N Manel, A M Lennon-Duménil, D J Müller, M Piel (2020 Oct 16)

**The nucleus acts as a ruler tailoring cell responses to spatial constraints.**

*Science (New York, N.Y.)* : [DOI : eaba2894](https://doi.org/10.1126/science.1254444)

Sebastian Hoffmann, Helena M Izquierdo, Riccardo Gamba, Florian Chardon, Marie Dumont, Veer Keizer, Solène Hervé, Shannon M McNulty, Beth A Sullivan, Nicolas Manel, Daniele Fachinetti (2020 Sep 18)

**A genetic memory initiates the epigenetic loop necessary to preserve centromere position.**

*The EMBO journal* : e105505 : [DOI : 10.15252/emboj.2020105505](https://doi.org/10.15252/emboj.2020105505)

Laurent Zablocki-Thomas, Sam A Menzies, Paul J Lehner, Nicolas Manel, Philippe Benaroch (2020 Apr 7)

**A genome-wide CRISPR screen identifies regulation factors of the TLR3 signalling pathway.**

*Innate immunity* : 459-472 : [DOI : 10.1177/1753425920915507](https://doi.org/10.1177/1753425920915507)

Johnson JS1, De Veaux N2, Rives AW2, Lahaye X3, Lucas SY4, Perot BP5, Luka M5, Garcia-Paredes V5, Amon LM4, Watters A2, Abdessalem G5, Aderem A6, Manel N3, Littman DR7, Bonneau R8, Ménager MM9. (2020 Jan 21)

**A Comprehensive Map of the Monocyte-Derived Dendritic Cell Transcriptional**

**Network Engaged upon Innate Sensing of HIV.**

*Cell reports* : 30 : Cell Rep. 2020 Jan 21;30(3):914-931.e9. doi: 10.1016/j.celrep.2019.12.054. : 914,931 : [DOI : 10.1016/j.celrep.2019.12.054](https://doi.org/10.1016/j.celrep.2019.12.054)

**Année de publication : 2019**

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Haifa B1, Ines Z1, Manel N2, Amira D3, Sonia Z3, Laila N2, Houda M4, Anis H1, Raja F1. (2019 Oct 14)

**Clear cell gynecologic carcinomas: about 5 cases.**

*The Pan African Medical Journal* : 34 : 87 : [DOI : 10.11604/pamj.2019.34.87.18505](https://doi.org/10.11604/pamj.2019.34.87.18505)

Gratia M1,2,3, Rodero MP4,5, Conrad C1, Bou Samra E2,3, Maurin M1, Rice GI6, Duffy D7, Revy P4, Petit F8, Dale RC9, Crow YJ#10,5,11, Amor-Gueret M#12,3,13, Manel N#14. (2019 May 6)

**Bloom syndrome protein restrains innate immune sensing of micronuclei by cGAS.**

*Journal of experimental medicine* : 216(5) : 1199-1213 : [DOI : 10.1084/jem.20181329](https://doi.org/10.1084/jem.20181329)

Gentili M1, Lahaye X1, Nadalin F1, Nader GPF2, Puig Lombardi E3, Herve S4, De Silva NS1, Rookhuizen DC1, Zueva E1, Goudot C1, Maurin M1, Bochnakian A1, Amigorena S1, Piel M2, Fachinetti D4, Londoño-Vallejo A3, Manel N5. (2019 Feb 26)

**The N-Terminal Domain of cGAS Determines Preferential Association with Centromeric DNA and Innate Immune Activation in the Nucleus.**

*Cell reports* : 26(9) : 2377-2393 : [DOI : 10.1016/j.celrep.2019.01.105](https://doi.org/10.1016/j.celrep.2019.01.105)

Manel N1, Di Santo JP2. (2019 Feb 2)

**Editorial overview: Pillars of innate immunity: constantly learning and trying to remember. Manel N1,**

*Current opinion in immunology* : 56 : [DOI : 10.1016/j.coi.2019.03.002](https://doi.org/10.1016/j.coi.2019.03.002)

**Année de publication : 2018**

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Xavier Lahaye, Matteo Gentili, Aymeric Silvin, Cécile Conrad, Léa Picard, Mabel Jouve, Elina Zueva, Mathieu Maurin, Francesca Nadalin, Gavin J Knott, Baoyu Zhao, Fenglei Du, Marlène Rio, Jeanne Amiel, Archa H Fox, Pingwei Li, Lucie Etienne, Charles S Bond, Laurence Colleaux, Nicolas Manel (2018 Oct 2)

**NONO Detects the Nuclear HIV Capsid to Promote cGAS-Mediated Innate Immune Activation.**

*Cell* : 488-501.e22 : [DOI : S0092-8674\(18\)31163-2](https://doi.org/S0092-8674(18)31163-2)

SAEZ-CIRION Asier, MANEL Nicolas (2018 Jan 12)

**Immune Responses to Retroviruses**

*Annual Review of Immunology* *Annual Review of Immunology* : [DOI : 10.1146/annurev-](https://doi.org/10.1146/annurev-)

[immunol-051116-052155](#)

**Année de publication : 2017**

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SILVIN Aymeric, YU Chun, LAHAYE Xavier, IMPERATORE Francesco, BRAULT Jean-Baptiste, CARDINAUD Sylvain, BECKER Christian, KWAN Wing-Hong, CONRAD Cécile, MAURIN Mathieu, GOUDOT Christel, MARQUES-LADEIRA Santy, WANG Yuanyuan, PASCUAL Virginia, ANGUIANO Esperanza, ALBRECHT Randy, IANNAcone Matteo, GARCÍA-SASTRE Adolfo, GOUD Bruno, DALOD Marc, MORIS Arnaud, MERAD Miriam, PALUCKA Karolina, MANEL Nicolas (2017 Jul 7)

**Constitutive resistance to viral infection in human CD141+ dendritic cells**

*Science Immunology* : [DOI : 10.1126/sciimmunol.aai8071](#)

Cerboni S, Jeremiah N, Gentili M, Gehrmann U, Conrad C, Stolzenberg MC, Picard C, Neven B, Fischer A, Amigorena S, Rieux-Laucat F, Manel N (2017 May 8)

**Intrinsic antiproliferative activity of the innate sensor STING in T lymphocytes**

*The Journal of Experimental Medicine* : [DOI : 10.1084/jem.20161674](#)

**Année de publication : 2016**

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M Raab, M Gentili, H de Belly, H R Thiam, P Vargas, A J Jimenez, F Lautenschlaeger, Raphaël Voituriez, A M Lennon-Duménil, N Manel, M Piel (2016 Apr 15)

**ESCRT III repairs nuclear envelope ruptures during cell migration to limit DNA damage and cell death**

*Science (New York, N.Y.)* : [DOI : 10.1126/science.aad7611](#)

**Année de publication : 2015**

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Gentili M, Kowal 1, Tkach M, Satoh T, Lahaye X, Conrad C, Boyron M, Lombard B, Durand S, Kroemer G, Loew D, Dalod M, Théry C, Manel N. (2015 Jul 30)

**Transmission of innate immune signaling by packaging of cGAMP in viral particles.**

*Science* : [DOI : 10.1126/science.aab3628](#)

**Année de publication : 2014**

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Maxime Touzot, Maximilien Grandclaudon, Antonio Cappuccio, Takeshi Satoh, Carolina Martinez-Cingolani, Nicolas Servant, Nicolas Manel, Vassili Soumelis (2014 May 29)

**Combinatorial flexibility of cytokine function during human T helper cell differentiation.**

*Nature communications* : 3987 : [DOI : 10.1038/ncomms4987](#)

**Année de publication : 2013**

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Xavier Lahaye, Takeshi Satoh, Matteo Gentili, Silvia Cerboni, Cécile Conrad, Ilse Hurbain, Ahmed El Marjou, Christine Lacabaratz, Jean-Daniel Lelièvre, Nicolas Manel (2013 Sep 6)

**The capsids of HIV-1 and HIV-2 determine immune detection of the viral cDNA by the innate sensor cGAS in dendritic cells.**

*Immunity* : 1132-42 : [DOI : 10.1016/j.immuni.2013.11.002](https://doi.org/10.1016/j.immuni.2013.11.002)

**Année de publication : 2011**

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Nicolas Manel, Dan R Littman (2011 Jul 14)

**Hiding in plain sight: how HIV evades innate immune responses.**

*Cell* : 271-4 : [DOI : 10.1016/j.cell.2011.09.010](https://doi.org/10.1016/j.cell.2011.09.010)