

# Philippe Despres

## List of Publications by Citations

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74 papers	5,904 citations	31 h-index	76 g-index
87 ext. papers	6,822 ext. citations	6.4 avg, IF	5.19 L-index

#	Paper	IF	Citations
74	Guillain-Barré Syndrome outbreak associated with Zika virus infection in French Polynesia: a case-control study. <i>Lancet, The</i> , <b>2016</b> , 387, 1531-1539	40	1540
73	Genome microevolution of chikungunya viruses causing the Indian Ocean outbreak. <i>PLoS Medicine</i> , <b>2006</b> , 3, e263	11.6	807
72	Biology of Zika Virus Infection in Human Skin Cells. <i>Journal of Virology</i> , <b>2015</b> , 89, 8880-96	6.6	794
71	Characterization of reemerging chikungunya virus. <i>PLoS Pathogens</i> , <b>2007</b> , 3, e89	7.6	336
70	A variant in the CD209 promoter is associated with severity of dengue disease. <i>Nature Genetics</i> , <b>2005</b> , 37, 507-13	36.3	244
69	Human muscle satellite cells as targets of Chikungunya virus infection. <i>PLoS ONE</i> , <b>2007</b> , 2, e527	3.7	198
68	Immunogenicity, safety, and tolerability of a recombinant measles-virus-based chikungunya vaccine: a randomised, double-blind, placebo-controlled, active-comparator, first-in-man trial. <i>Lancet Infectious Diseases, The</i> , <b>2015</b> , 15, 519-27	25.5	148
67	Zika Virus Seroprevalence, French Polynesia, 2014-2015. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 669-672	10.2	122
66	The South Pacific epidemic strain of Zika virus replicates efficiently in human epithelial A549 cells leading to IFN- $\beta$ production and apoptosis induction. <i>Virology</i> , <b>2016</b> , 493, 217-26	3.6	107
65	Seroprevalence of arboviruses among blood donors in French Polynesia, 2011-2013. <i>International Journal of Infectious Diseases</i> , <b>2015</b> , 41, 11-2	10.5	103
64	PredictSNP2: A Unified Platform for Accurately Evaluating SNP Effects by Exploiting the Different Characteristics of Variants in Distinct Genomic Regions. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004962	5	98
63	A robust method for the rapid generation of recombinant Zika virus expressing the GFP reporter gene. <i>Virology</i> , <b>2016</b> , 497, 157-162	3.6	69
62	Pediatric measles vaccine expressing a dengue antigen induces durable serotype-specific neutralizing antibodies to dengue virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2007</b> , 1, e96	4.8	67
61	Dengue virus M protein contains a proapoptotic sequence referred to as ApoptoM. <i>Journal of General Virology</i> , <b>2003</b> , 84, 2781-2793	4.9	67
60	Pediatric measles vaccine expressing a dengue tetraivalent antigen elicits neutralizing antibodies against all four dengue viruses. <i>Vaccine</i> , <b>2010</b> , 28, 6730-9	4.1	65
59	A single immunization with a minute dose of a lentiviral vector-based vaccine is highly effective at eliciting protective humoral immunity against West Nile virus. <i>Journal of Gene Medicine</i> , <b>2006</b> , 8, 265-74	3.5	65
58	Comparative analysis of viral RNA signatures on different RIG-I-like receptors. <i>ELife</i> , <b>2016</b> , 5, e11275	8.9	64

57	Role of skin immune cells on the host susceptibility to mosquito-borne viruses. <i>Virology</i> , <b>2014</b> , 464-465, 26-32	3.6	59
56	Protective antiviral immunity conferred by a nonintegrative lentiviral vector-based vaccine. <i>PLoS ONE</i> , <b>2008</b> , 3, e3973	3.7	56
55	Probing Molecular Insights into Zika Virus?Host Interactions. <i>Viruses</i> , <b>2018</b> , 10,	6.2	49
54	Production and characterization of mouse monoclonal antibodies reactive to Chikungunya envelope E2 glycoprotein. <i>Virology</i> , <b>2008</b> , 371, 185-95	3.6	49
53	Mechanisms of dengue virus-induced cell death. <i>Advances in Virus Research</i> , <b>2003</b> , 60, 157-86	10.7	47
52	A High-Performance Multiplex Immunoassay for Serodiagnosis of Flavivirus-Associated Neurological Diseases in Horses. <i>BioMed Research International</i> , <b>2015</b> , 2015, 678084	3	43
51	The Flavonoid Isoquercitrin Precludes Initiation of Zika Virus Infection in Human Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	41
50	Dermal-type macrophages expressing CD209/DC-SIGN show inherent resistance to dengue virus growth. <i>PLoS Neglected Tropical Diseases</i> , <b>2008</b> , 2, e311	4.8	40
49	Silent Circulation of Ross River Virus in French Polynesia. <i>International Journal of Infectious Diseases</i> , <b>2015</b> , 37, 19-24	10.5	39
48	Viral entry route determines how human plasmacytoid dendritic cells produce type I interferons. <i>Science Signaling</i> , <b>2015</b> , 8, ra25	8.8	36
47	New evidence for endemic circulation of Ross River virus in the Pacific Islands and the potential for emergence. <i>International Journal of Infectious Diseases</i> , <b>2017</b> , 57, 73-76	10.5	35
46	Expression of dengue ApoptoM sequence results in disruption of mitochondrial potential and caspase activation. <i>Biochimie</i> , <b>2003</b> , 85, 789-93	4.6	35
45	The structural proteins of epidemic and historical strains of Zika virus differ in their ability to initiate viral infection in human host cells. <i>Virology</i> , <b>2018</b> , 516, 265-273	3.6	31
44	The E2-E166K substitution restores Chikungunya virus growth in OAS3 expressing cells by acting on viral entry. <i>Virology</i> , <b>2012</b> , 434, 27-37	3.6	31
43	Subversion of the Heme Oxygenase-1 Antiviral Activity by Zika Virus. <i>Viruses</i> , <b>2018</b> , 11,	6.2	26
42	Essential Oil and Its Main Component Thymohydroquinone Dimethyl Ether Inhibit Zika Virus at Doses Devoid of Toxicity in Zebrafish. <i>Molecules</i> , <b>2019</b> , 24,	4.8	25
41	Viral determinants in the NS3 helicase and 2K peptide that promote West Nile virus resistance to antiviral action of 2'T5Toligoadenylate synthetase 1b. <i>Virology</i> , <b>2010</b> , 399, 176-185	3.6	24
40	The Polyphenol-Rich Extract from an Endemic Medicinal Plant from Reunion Island, Inhibits the Early Stages of Dengue and Zika Virus Infection. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	23

39	Extract from <i>Aphloia theiformis</i> , an edible indigenous plant from Reunion Island, impairs Zika virus attachment to the host cell surface. <i>Scientific Reports</i> , <b>2018</b> , 8, 10856	4.9	21
38	The Roles of prM-E Proteins in Historical and Epidemic Zika Virus-mediated Infection and Neurocytotoxicity. <i>Viruses</i> , <b>2019</b> , 11,	6.2	20
37	A Japanese encephalitis virus genotype 5 molecular clone is highly neuropathogenic in a mouse model: impact of the structural protein region on virulence. <i>Journal of Virology</i> , <b>2015</b> , 89, 5862-75	6.6	20
36	Dengue: a growing threat requiring vaccine development for disease prevention. <i>Pathogens and Global Health</i> , <b>2018</b> , 112, 294-305	3.1	19
35	Serological Diagnosis of Flavivirus-Associated Human Infections. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	18
34	Tackling dengue fever: Current status and challenges. <i>Virology Journal</i> , <b>2015</b> , 12, 212	6.1	18
33	Ross River Virus Seroprevalence, French Polynesia, 2014-2015. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 1751-1753	10.2	16
32	an Indigenous Medicinal Plant from Mascarene Islands, Is a Potent Inhibitor of Zika and Dengue Virus Infection in Human Cells. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	15
31	A Single Amino Acid Substitution in the M Protein Attenuates Japanese Encephalitis Virus in Mammalian Hosts. <i>Journal of Virology</i> , <b>2015</b> , 90, 2676-89	6.6	15
30	ClearColi BL21(DE3)-based expression of Zika virus antigens illustrates a rapid method of antibody production against emerging pathogens. <i>Biochimie</i> , <b>2017</b> , 142, 179-182	4.6	14
29	A Chimeric Zika Virus between Viral Strains MR766 and BeH819015 Highlights a Role for E-glycan Loop in Antibody-mediated Virus Neutralization. <i>Vaccines</i> , <b>2019</b> , 7,	5.3	14
28	A Lentiviral Vector Expressing Japanese Encephalitis Virus-like Particles Elicits Broad Neutralizing Antibody Response in Pigs. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0004081	4.8	14
27	In vitro comparison of three common essential oils mosquito repellents as inhibitors of the Ross River virus. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196757	3.7	12
26	The epidemic of Dengue virus type-2 Cosmopolitan genotype on Reunion Island relates to its active circulation in the Southwestern Indian Ocean neighboring islands. <i>Heliyon</i> , <b>2019</b> , 5, e01455	3.6	10
25	The Geraniin-Rich Extract from Reunion Island Endemic Medicinal Plant Inhibits Zika and Dengue Virus Infection at Non-Toxic Effect Doses in Zebrafish. <i>Molecules</i> , <b>2020</b> , 25,	4.8	10
24	Zika virus subversion of chaperone GRP78/BiP expression in A549 cells during UPR activation. <i>Biochimie</i> , <b>2020</b> , 175, 99-105	4.6	10
23	The ZIKA Virus Delays Cell Death Through the Anti-Apoptotic Bcl-2 Family Proteins. <i>Cells</i> , <b>2019</b> , 8,	7.9	10
22	Bioluminescent Ross River Virus Allows Live Monitoring of Acute and Long-Term Alphaviral Infection by In Vivo Imaging. <i>Viruses</i> , <b>2019</b> , 11,	6.2	8

21	Recombinant Zika NS1 Protein Secreted from Vero Cells Is Efficient for Inducing Production of Immune Serum Directed against NS1 Dimer. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 19,	6.3	7
20	A GFP Reporter MR766-Based Flow Cytometry Neutralization Test for Rapid Detection of Zika Virus-Neutralizing Antibodies in Serum Specimens. <i>Vaccines</i> , <b>2019</b> , 7,	5.3	6
19	The Envelope Residues E152/156/158 of Zika Virus Influence the Early Stages of Virus Infection in Human Cells. <i>Cells</i> , <b>2019</b> , 8,	7.9	6
18	The growth of arthralgic Ross River virus is restricted in human monocytic cells. <i>Virus Research</i> , <b>2016</b> , 225, 64-68	6.4	5
17	Zika Virus Inhibits IFN- $\gamma$ Response by Human Plasmacytoid Dendritic Cells and Induces NS1-Dependent Triggering of CD303 (BDCA-2) Signaling. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 582061	8.4	4
16	Papaya Fruit Pulp and Resulting Lactic Fermented Pulp Exert Antiviral Activity against Zika Virus. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	4
15	Zika M Oligopeptide ZAMP Confers Cell Death-Promoting Capability to a Soluble Tumor-Associated Antigen through Caspase-3/7 Activation. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
14	CHOP Pro-Apoptotic Transcriptional Program in Response to ER Stress Is Hacked by Zika Virus. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
13	A Viperin Mutant Bearing the K358R Substitution Lost its Anti-ZIKA Virus Activity. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
12	Zika E Glycan Loop Region and Guillain-Barré Syndrome-Related Proteins: A Possible Molecular Mimicry to Be Taken in Account for Vaccine Development. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	3
11	Apoptosis during ZIKA Virus Infection: Too Soon or Too Late?. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
10	Crosstalk Between Endoplasmic Reticulum Stress and The Unfolded Protein Response During ZIKA Virus Infection		2
9	Immune Reactivity of a 20-mer Peptide Representing the Zika E Glycan Loop Involves the Antigenic Determinants E-152/156/158. <i>Viruses</i> , <b>2020</b> , 12,	6.2	2
8	Viral Toxin NS1 Implication in Dengue Pathogenesis Making It a Pivotal Target in Development of Efficient Vaccine. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	2
7	(L.) Lam. at the Forefront of Pharma to Confront Zika Virus and Microbial Infections-An In Vitro and In Silico Perspective. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
6	Medicinal plants as promising source of natural antiviral substances against Zika virus <b>2021</b> , 397-407		0
5	The SARS-CoV-2 spike residues 616/644 and 1138/1169 delineate two antibody epitopes in COVID-19 mRNA COMINARTY vaccine (Pfizer/BioNTech).. <i>Scientific Reports</i> , <b>2022</b> , 12, 5999	4.9	0
4	Cranberry Pomace Extract Exerts Antiviral Activity against Zika and Dengue Virus at Safe Doses for Adult Zebrafish. <i>Viruses</i> , <b>2022</b> , 14, 1101	6.2	0

- 3 Chikungunya Virus Envelope Protein E2 Provides a Vector for Targeted Antigen Delivery to Human Dermal CD14 Dendritic Cells. *Journal of Investigative Dermatology*, **2021**, 141, 2985-2989.e5 4.3
- 2 Zika virus, pathology, and control: Zika vaccine strategies in development **2021**, 129-140
- 1 Evidence of RedOX Imbalance during Zika Virus Infection Promoting the Formation of Disulfide-Bond-Dependent Oligomers of the Envelope Protein. *Viruses*, **2022**, 14, 1131 6.2