## TLR3 Deletion Limits Mortality and Disease Severity du

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Citation Report

| #  | Article                                                                                                                                                                                                                                                                      | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | TLR3 Is Essential for the Induction of Protective Immunity against Punta Toro Virus Infection by the<br>Double-Stranded RNA (dsRNA), Poly(I:C12U), but not Poly(I:C): Differential Recognition of Synthetic<br>dsRNA Molecules. Journal of Immunology, 2007, 178, 5200-5208. | 0.4  | 103       |
| 2  | Cutting Edge: Influenza A Virus Activates TLR3-Dependent Inflammatory and RIC-I-Dependent Antiviral<br>Responses in Human Lung Epithelial Cells. Journal of Immunology, 2007, 178, 3368-3372.                                                                                | 0.4  | 355       |
| 3  | Therapeutic Use of Molecules that Mimic Pathogen Danger Signals. Endocrine, Metabolic and Immune<br>Disorders - Drug Targets, 2007, 7, 177-186.                                                                                                                              | 0.6  | 1         |
| 4  | Type I Interferon During Viral Infections: Multiple Triggers for a Multifunctional Mediator. , 2007, 316, 337-357.                                                                                                                                                           |      | 44        |
| 5  | Innate Recognition of Viruses. Immunity, 2007, 27, 370-383.                                                                                                                                                                                                                  | 6.6  | 614       |
| 6  | RIG-I: tri-ing to discriminate between self and non-self RNA. Trends in Immunology, 2007, 28, 147-150.                                                                                                                                                                       | 2.9  | 53        |
| 7  | TLR3 Deficiency in Patients with Herpes Simplex Encephalitis. Science, 2007, 317, 1522-1527.                                                                                                                                                                                 | 6.0  | 970       |
| 8  | Translational Mini-Review Series on Toll-like Receptors:†Recent advances in understanding the role of<br>Toll-like receptors in anti-viral immunity. Clinical and Experimental Immunology, 2007, 147, 217-226.                                                               | 1.1  | 38        |
| 9  | Tollâ€like receptors, RIGâ€lâ€like RNA helicases and the antiviral innate immune response. Immunology and<br>Cell Biology, 2007, 85, 435-445.                                                                                                                                | 1.0  | 209       |
| 10 | Recognition of viruses by innate immunity. Immunological Reviews, 2007, 220, 214-224.                                                                                                                                                                                        | 2.8  | 305       |
| 11 | Human Tollâ€like receptorâ€dependent induction of interferons in protective immunity to viruses.<br>Immunological Reviews, 2007, 220, 225-236.                                                                                                                               | 2.8  | 147       |
| 12 | TLR3: Interferon induction by double-stranded RNA including poly(I:C)â~†. Advanced Drug Delivery<br>Reviews, 2008, 60, 805-812.                                                                                                                                              | 6.6  | 557       |
| 13 | Toll-like receptors regulation of viral infection and diseaseâ~†. Advanced Drug Delivery Reviews, 2008, 60, 786-794.                                                                                                                                                         | 6.6  | 73        |
| 14 | Divergent TLR7 and TLR9 signaling and type I interferon production distinguish pathogenic and nonpathogenic AIDS virus infections. Nature Medicine, 2008, 14, 1077-1087.                                                                                                     | 15.2 | 339       |
| 15 | Viral evasion and subversion of pattern-recognition receptor signalling. Nature Reviews Immunology, 2008, 8, 911-922.                                                                                                                                                        | 10.6 | 616       |
| 16 | Animal models of highly pathogenic RNA viral infections: Hemorrhagic fever viruses. Antiviral<br>Research, 2008, 78, 79-90.                                                                                                                                                  | 1.9  | 77        |
| 17 | Prophylactic and therapeutic intervention of Punta Toro virus (Phlebovirus, Bunyaviridae) infection in hamsters with interferon alfacon-1. Antiviral Research, 2008, 77, 215-224.                                                                                            | 1.9  | 8         |
| 18 | Differential pathogenesis of cowpox virus intranasal infections in mice induced by low and high<br>inoculum volumes and effects of cidofovir treatment. International Journal of Antimicrobial Agents,<br>2008, 31, 352-359.                                                 | 1.1  | 27        |

| #<br>19 | ARTICLE<br>Innate recognition of non-self nucleic acids. Genome Biology, 2008, 9, 211.                                                                                                | IF<br>13.9 | CITATIONS<br>36 |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|
| 20      | Hepatitis C virus (HCV) employs multiple strategies to subvert the host innate antiviral response.<br>Biological Chemistry, 2008, 389, 1283-98.                                       | 1.2        | 37              |
| 21      | Sensing of Viral Infection and Activation of Innate Immunity by Toll-Like Receptor 3. Clinical Microbiology Reviews, 2008, 21, 13-25.                                                 | 5.7        | 274             |
| 22      | Toll-Like Receptor 3 Has a Protective Role against West Nile Virus Infection. Journal of Virology, 2008, 82, 10349-10358.                                                             | 1.5        | 298             |
| 23      | TLR3 Increases Disease Morbidity and Mortality from Vaccinia Infection. Journal of Immunology, 2008, 180, 483-491.                                                                    | 0.4        | 72              |
| 24      | West Nile Virus Nonstructural Protein 1 Inhibits TLR3 Signal Transduction. Journal of Virology, 2008, 82, 8262-8271.                                                                  | 1.5        | 147             |
| 25      | Targeting Poly(I:C) to the TLR3-Independent Pathway Boosts Effector CD8 T Cell Differentiation through IFN-α/β. Journal of Immunology, 2008, 181, 7670-7680.                          | 0.4        | 64              |
| 26      | Activation of Innate Immune System During Viral Infection: Role of Pattern-recognition Receptors<br>(PRRs) in Viral Infection. Journal of Bacteriology and Virology, 2009, 39, 145.   | 0.0        | 6               |
| 27      | The Innate Immune Response: An Important Partner in Shaping Coxsackievirus-Mediated Autoimmunity.<br>Journal of Innate Immunity, 2009, 1, 421-434.                                    | 1.8        | 12              |
| 28      | Beneficial effects of a low-protein diet on host resistance to Paracoccidioides brasiliensis in mice.<br>Nutrition, 2009, 25, 954-963.                                                | 1.1        | 17              |
| 29      | Punta Toro virus (Bunyaviridae, Phlebovirus) infection in mice: Strain differences in pathogenesis and host interferon response. Virology, 2009, 395, 143-151.                        | 1.1        | 15              |
| 30      | A new mouse-adapted strain of SARS-CoV as a lethal model for evaluating antiviral agents in vitro and in vivo. Virology, 2009, 395, 210-222.                                          | 1.1        | 129             |
| 31      | Prophylaxis with cationic liposome–DNA complexes protects hamsters from phleboviral disease:<br>Importance of liposomal delivery and CpG motifs. Antiviral Research, 2009, 81, 37-46. | 1.9        | 22              |
| 32      | Characterization of equine and other vertebrate TLR3, TLR7, and TLR8 genes. Immunogenetics, 2009, 61, 529-539.                                                                        | 1.2        | 35              |
| 33      | Viral sensors: diversity in pathogen recognition. Immunological Reviews, 2009, 227, 87-94.                                                                                            | 2.8        | 64              |
| 34      | Effect of Dietary Oils on Host Resistance to Fungal Infection in Psychologically Stressed Mice.<br>Bioscience, Biotechnology and Biochemistry, 2009, 73, 1994-1998.                   | 0.6        | 5               |
| 35      | The dsRNA-mimetic poly (I:C) and IL-18 synergize for IFNγ and TNFα expression. Biochemical and Biophysical<br>Research Communications, 2009, 389, 628-633.                            | 1.0        | 1               |
| 36      | Genomic organization and expression analysis of Toll-like receptor 3 in grass carp<br>(Ctenopharyngodon idella). Fish and Shellfish Immunology, 2009, 27, 433-439.                    | 1.6        | 57              |

| #  | Article                                                                                                                                                                                                     | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Bunyaviruses and the Type I Interferon System. Viruses, 2009, 1, 1003-1021.                                                                                                                                 | 1.5  | 51        |
| 38 | Hantaan Virus Triggers TLR3-Dependent Innate Immune Responses. Journal of Immunology, 2009, 182, 2849-2858.                                                                                                 | 0.4  | 59        |
| 39 | Recent insights into the role of Toll-like receptors in viral infection. Clinical and Experimental Immunology, 2010, 161, 397-406.                                                                          | 1.1  | 110       |
| 40 | TLR3 agonists as immunotherapeutic agents. Immunotherapy, 2010, 2, 137-140.                                                                                                                                 | 1.0  | 53        |
| 41 | High-Throughput Screening for TLR3–IFN Regulatory Factor 3 Signaling Pathway Modulators Identifies<br>Several Antipsychotic Drugs as TLR Inhibitors. Journal of Immunology, 2010, 184, 5768-5776.           | 0.4  | 50        |
| 42 | TLRs and chronic inflammation. International Journal of Biochemistry and Cell Biology, 2010, 42, 495-505.                                                                                                   | 1.2  | 157       |
| 43 | Innate immune recognition of poxviral vaccine vectors. Expert Review of Vaccines, 2011, 10, 1435-1449.                                                                                                      | 2.0  | 18        |
| 44 | Small-Molecule Inhibitors of the TLR3/dsRNA Complex. Journal of the American Chemical Society, 2011, 133, 3764-3767.                                                                                        | 6.6  | 117       |
| 45 | Pattern Recognition Receptors and the Innate Immune Response to Viral Infection. Viruses, 2011, 3, 920-940.                                                                                                 | 1.5  | 645       |
| 46 | TLR Signaling Is Required for Salmonella typhimurium Virulence. Cell, 2011, 144, 675-688.                                                                                                                   | 13.5 | 217       |
| 47 | Host genetic variation in susceptibility to Punta Toro virus. Virus Research, 2011, 157, 71-75.                                                                                                             | 1.1  | 6         |
| 48 | The Pathogenesis of Rift Valley Fever. Viruses, 2011, 3, 493-519.                                                                                                                                           | 1.5  | 282       |
| 49 | dsRNA sensors and plasmacytoid dendritic cells in host defense and autoimmunity. Immunological<br>Reviews, 2011, 243, 74-90.                                                                                | 2.8  | 44        |
| 50 | Novel antagonist antibody to TLR3 blocks poly(I:C)-induced inflammation in vivo and in vitro. Cellular<br>Immunology, 2011, 267, 9-16.                                                                      | 1.4  | 19        |
| 51 | Antiviral responses induced by the TLR3 pathway. Reviews in Medical Virology, 2011, 21, 67-77.                                                                                                              | 3.9  | 132       |
| 52 | Herpes simplex virus encephalitis in a patient with complete TLR3 deficiency: TLR3 is otherwise redundant in protective immunity. Journal of Experimental Medicine, 2011, 208, 2083-2098.                   | 4.2  | 262       |
| 53 | Toll-like Receptor 3 (TLR3) Induces Apoptosis via Death Receptors and Mitochondria by Up-regulating<br>the Transactivating p63 Isoform α (TAP63α). Journal of Biological Chemistry, 2011, 286, 15918-15928. | 1.6  | 108       |
| 54 | Integration of large-scale metabolic, signaling, and gene regulatory networks with application to infection responses. , 2011, , .                                                                          |      | 5         |

| #  | Article                                                                                                                                                                                      | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | MDA5 and TLR3 Initiate Pro-Inflammatory Signaling Pathways Leading to Rhinovirus-Induced Airways<br>Inflammation and Hyperresponsiveness. PLoS Pathogens, 2011, 7, e1002070.                 | 2.1 | 107       |
| 56 | Identifying a Role for Toll-Like Receptor 3 in the Innate Immune Response to Chlamydia muridarum<br>Infection in Murine Oviduct Epithelial Cells. Infection and Immunity, 2012, 80, 254-265. | 1.0 | 37        |
| 57 | Sensing of RNA Viruses: a Review of Innate Immune Receptors Involved in Recognizing RNA Virus Invasion. Journal of Virology, 2012, 86, 2900-2910.                                            | 1.5 | 506       |
| 58 | A Common Polymorphism in <i>TLR3</i> Confers Natural Resistance to HIV-1 Infection. Journal of Immunology, 2012, 188, 818-823.                                                               | 0.4 | 104       |
| 59 | Polycation-based nanoparticle delivery of RNAi therapeutics: Adverse effects and solutions. Advanced<br>Drug Delivery Reviews, 2012, 64, 1717-1729.                                          | 6.6 | 136       |
| 60 | Single-stranded DNA oligonucleotides inhibit TLR3-mediated responses in human monocyte-derived dendritic cells and in vivo in cynomolgus macaques. Blood, 2012, 120, 768-777.                | 0.6 | 26        |
| 61 | Controlling the Outcome of the Toll-Like Receptor Signaling Pathways. PLoS ONE, 2012, 7, e31341.                                                                                             | 1.1 | 5         |
| 62 | Asthma as a chronic disease of the innate and adaptive immune systems responding to viruses and allergens. Journal of Clinical Investigation, 2012, 122, 2741-2748.                          | 3.9 | 134       |
| 63 | Chaeoglobosin Fex inhibits poly(I:C)-induced activation of bone marrow-derived dendritic cells.<br>Molecular Immunology, 2012, 51, 150-158.                                                  | 1.0 | 9         |
| 64 | Ultrastructural study of Rift Valley fever virus in the mouse model. Virology, 2012, 431, 58-70.                                                                                             | 1.1 | 28        |
| 65 | Urban particulate matter activates Akt in human lung cells. Archives of Toxicology, 2012, 86, 121-135.                                                                                       | 1.9 | 21        |
| 66 | Tollâ€like receptor 3 in viral pathogenesis: friend or foe?. Immunology, 2013, 140, 153-167.                                                                                                 | 2.0 | 103       |
| 67 | TLR3 immunity to infection in mice and humans. Current Opinion in Immunology, 2013, 25, 19-33.                                                                                               | 2.4 | 141       |
| 68 | Toll-like receptor 3 recognizes incomplete stem structures in single-stranded viral RNA. Nature Communications, 2013, 4, 1833.                                                               | 5.8 | 106       |
| 69 | Molecular characterization and functional analysis of Toll-like receptor 3 gene in orange-spotted grouper (Epinephelus coioides). Gene, 2013, 527, 174-182.                                  | 1.0 | 12        |
| 70 | Toll-IL-1-Receptor-Containing Adaptor Molecule-1. Progress in Molecular Biology and Translational Science, 2013, 117, 487-510.                                                               | 0.9 | 10        |
| 71 | Recognition of pathogen-associated nucleic acids by endosomal nucleic acid-sensing toll-like receptors. Acta Biochimica Et Biophysica Sinica, 2013, 45, 241-258.                             | 0.9 | 30        |
| 72 | Distinct Dictation of Japanese Encephalitis Virus-Induced Neuroinflammation and Lethality via<br>Triggering TLR3 and TLR4 Signal Pathways. PLoS Pathogens, 2014, 10, e1004319.               | 2.1 | 90        |

| #  | Article                                                                                                                                                                                                  | IF       | CITATIONS    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|
| 73 | Beyond dsRNA: Toll-like receptor 3 signalling in RNA-induced immune responses. Biochemical Journal, 2014, 458, 195-201.                                                                                  | 1.7      | 56           |
| 74 | Toll-Like Receptors in Antiviral Innate Immunity. Journal of Molecular Biology, 2014, 426, 1246-1264.                                                                                                    | 2.0      | 570          |
| 75 | Novel drugs targeting Toll-like receptors for antiviral therapy. Future Virology, 2014, 9, 811-829.                                                                                                      | 0.9      | 76           |
| 76 | The role of airway epithelial cells and innate immune cells in chronic respiratory disease. Nature<br>Reviews Immunology, 2014, 14, 686-698.                                                             | 10.6     | 193          |
| 77 | Highly pathogenic avian influenza A H5N1 and pandemic H1N1 virus infections have different<br>phenotypes in Toll-like receptor 3 knockout mice. Journal of General Virology, 2014, 95, 1870-1879.        | 1.3      | 34           |
| 78 | Loss of TLR3 aggravates CHIKV replication and pathology due to an altered virusâ€specific neutralizing antibody response. EMBO Molecular Medicine, 2015, 7, 24-41.                                       | 3.3      | 81           |
| 79 | Reservoir Host Immune Responses to Emerging Zoonotic Viruses. Cell, 2015, 160, 20-35.                                                                                                                    | 13.5     | 114          |
| 80 | Association of Symptoms and Severity of Rift Valley Fever with Genetic Polymorphisms in Human<br>Innate Immune Pathways. PLoS Neglected Tropical Diseases, 2015, 9, e0003584.                            | 1.3      | 30           |
| 81 | The Role of Toll-Like Receptor Polymorphisms in Acute Pancreatitis Occurrence and Severity. Pancreas, 2015, 44, 429-433.                                                                                 | 0.5      | 25           |
| 82 | Role of Toll-Like Receptors in Hepatitis C Virus Pathogenesis and Treatment. Critical Reviews in<br>Eukaryotic Gene Expression, 2016, 26, 353-362.                                                       | 0.4      | 9            |
| 83 | Virtual Screening Approaches towards the Discovery of Toll-Like Receptor Modulators. International<br>Journal of Molecular Sciences, 2016, 17, 1508.                                                     | 1.8      | 32           |
| 84 | Phleboviruses and the Type I Interferon Response. Viruses, 2016, 8, 174.                                                                                                                                 | 1.5      | 76           |
| 85 | Is there any relationship between Tollâ€like receptor 3 c.1377C/T and â^'7C/A polymorphisms and<br>susceptibility to Crimean Congo hemorrhagic fever?. Journal of Medical Virology, 2016, 88, 1690-1696. | 2.5      | 16           |
| 86 | Development of real-time reverse transcriptase qPCR assays for the detection of Punta Toro virus and<br>Pichinde virus. Virology Journal, 2016, 13, 54.                                                  | 1.4      | 4            |
| 87 | TRIF-dependent TLR signaling, its functions in host defense and inflammation, and its potential as a therapeutic target. Journal of Leukocyte Biology, 2016, 100, 27-45.                                 | 1.5      | 138          |
| 88 | Importance of Nucleic Acid Recognition in Inflammation and Autoimmunity. Annual Review of Medicine, 2016, 67, 323-336.                                                                                   | 5.0      | 135          |
| 89 | Advances in Antiviral Therapies Targeting Toll-like Receptors. Expert Opinion on Investigational Drugs, 2016, 25, 437-453.                                                                               | 1.9      | 20           |
| 90 | Prophylactic and therapeutic intranasal administration with an immunomodulator, Hiltonol® (Poly) Tj ETQq1 1                                                                                              | 0.784314 | rgBT /Over o |

| #          | Article                                                                                                                                                                                                                                    | IF  | CITATIONS |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91         | Association of Respiratory Syncytial Virus Toll-Like Receptor 3-Mediated Immune Response with COPD Exacerbation Frequency. Inflammation, 2018, 41, 654-666.                                                                                | 1.7 | 17        |
| 92         | TLR3 deficiency exacerbates the loss of epithelial barrier function during genital tract Chlamydia muridarum infection. PLoS ONE, 2019, 14, e0207422.                                                                                      | 1.1 | 12        |
| 93         | A RIC-l–like receptor directs antiviral responses to a bunyavirus and is antagonized by virus-induced blockade of TRIM25-mediated ubiquitination. Journal of Biological Chemistry, 2020, 295, 9691-9711.                                   | 1.6 | 39        |
| 94         | Detection of Viral Infections by Innate Immunity. Biochemical Pharmacology, 2021, 183, 114316.                                                                                                                                             | 2.0 | 216       |
| 95         | Role of astroglial toll-like receptors (TLRs) in central nervous system infections, injury and neurodegenerative diseases. Brain, Behavior, and Immunity, 2021, 91, 740-755.                                                               | 2.0 | 143       |
| 96         | TLR3 controls constitutive IFN- $\hat{l}^2$ antiviral immunity in human fibroblasts and cortical neurons. Journal of Clinical Investigation, 2021, 131, .                                                                                  | 3.9 | 64        |
| 97         | TLR3-Activated Monocyte-Derived Dendritic Cells Trigger Progression from Acute Viral Infection to Chronic Disease in the Lung. Journal of Immunology, 2021, 206, 1297-1314.                                                                | 0.4 | 13        |
| 99         | Toll-like receptor 3 (TLR3) regulation mechanisms and roles in antiviral innate immune responses.<br>Journal of Zhejiang University: Science B, 2021, 22, 609-632.                                                                         | 1.3 | 65        |
| 100        | Sandfly Fever Sicilian Virus-Leishmania major co-infection modulates innate inflammatory response<br>favoring myeloid cell infections and skin hyperinflammation. PLoS Neglected Tropical Diseases, 2021,<br>15, e0009638.                 | 1.3 | 11        |
| 101        | Bunyaviruses and Innate Immunity. , 0, , 287-299.                                                                                                                                                                                          |     | 2         |
| 102        | Toll-Like Receptor 3 Signaling on Macrophages Is Required for Survival Following Coxsackievirus B4<br>Infection. PLoS ONE, 2009, 4, e4127.                                                                                                 | 1.1 | 136       |
| 103        | TLR3 Sensing of Viral Infection~!2009-10-01~!2010-03-30~!2010-04-28~!. The Open Infectious Diseases<br>Journal, 2010, 4, 1-10.                                                                                                             | 0.6 | 12        |
| 104        | RNA Virus Families: Distinguishing Characteristics, Differences, and Similarities. , 0, , 195-210.                                                                                                                                         |     | 0         |
|            |                                                                                                                                                                                                                                            |     |           |
| 105        | Role of Toll-Like Receptors in the Innate Immune Response to RNA Viruses. , 0, , 7-27.                                                                                                                                                     |     | 0         |
| 105<br>107 | Role of Toll-Like Receptors in the Innate Immune Response to RNA Viruses. , 0, , 7-27.<br>NSG-Mice Reveal the Importance of a Functional Innate and Adaptive Immune Response to Overcome<br>RVFV Infection. Viruses, 2022, 14, 350.        | 1.5 | 0         |
|            | NSG-Mice Reveal the Importance of a Functional Innate and Adaptive Immune Response to Overcome                                                                                                                                             | 1.5 |           |
| 107        | NSG-Mice Reveal the Importance of a Functional Innate and Adaptive Immune Response to Overcome RVFV Infection. Viruses, 2022, 14, 350.<br>Regulation of antiviral innate immunity by chemical modification of viral <scp>RNA</scp> . Wiley |     | 6         |