

# Kylene Kehn-Hall

## List of Publications by Citations

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109  
papers

2,761  
citations

29  
h-index

47  
g-index

119  
ext. papers

3,368  
ext. citations

5.3  
avg, IF

4.93  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 109 | Exosomes derived from HIV-1-infected cells contain trans-activation response element RNA. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 20014-33   | 5.4  | 196       |
| 108 | Viral concentration determination through plaque assays: using traditional and novel overlay systems. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e52065  | 1.6  | 168       |
| 107 | Nuclear import and export inhibitors alter capsid protein distribution in mammalian cells and reduce Venezuelan Equine Encephalitis Virus replication. <i>Antiviral Research</i> , <b>2013</b> , 100, 662-72 | 10.8 | 113       |
| 106 | Curcumin inhibits Rift Valley fever virus replication in human cells.. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 22671   | 5.4  | 78        |
| 105 | Direct detection of diverse metabolic changes in virally transformed and Tax-expressing cells by mass spectrometry. <i>Retrovirology</i> , <b>2011</b> , 8, A179   | 3.6  | 78        |
| 104 | The utilization of humanized mouse models for the study of inhibitors in HTLV-1 infection. <i>Retrovirology</i> , <b>2011</b> , 8, A28   | 3.6  | 78        |
| 103 | Lysine methylation of HIV-1 Tat regulates transcriptional activity of the viral LTR. <i>Retrovirology</i> , <b>2008</b> , 5, 40  | 3.6  | 69        |
| 102 | Absence of DICER in monocytes and its regulation by HIV-1. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 31930-43  | 5.4  | 68        |
| 101 | Reactive oxygen species activate NFB (p65) and p53 and induce apoptosis in RVFV infected liver cells. <i>Virology</i> , <b>2014</b> , 449, 270-86  | 3.6  | 61        |
| 100 | Structure-Based Stabilization of Non-native Protein-Protein Interactions of Coronavirus Nucleocapsid Proteins in Antiviral Drug Design. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 3131-3141  | 8.3  | 57        |
| 99  | The utilization of humanized mouse models for the study of human retroviral infections. <i>Retrovirology</i> , <b>2009</b> , 6, 76   | 3.6  | 56        |
| 98  | Methylation of the tumor suppressor protein, BRCA1, influences its transcriptional cofactor function. <i>PLoS ONE</i> , <b>2010</b> , 5, e11379  | 3.7  | 56        |
| 97  | Curcumin inhibits Rift Valley fever virus replication in human cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 33198-214  | 5.4  | 53        |
| 96  | Induction of DNA damage signaling upon Rift Valley fever virus infection results in cell cycle arrest and increased viral replication. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 7399-410  | 5.4  | 53        |
| 95  | Lessons from the Ebola Outbreak: Action Items for Emerging Infectious Disease Preparedness and Response. <i>EcoHealth</i> , <b>2016</b> , 13, 200-12   | 3.1  | 47        |
| 94  | The use of Nanotrap particles technology in capturing HIV-1 virions and viral proteins from infected cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e96778  | 3.7  | 43        |
| 93  | Modulation of GSK-3 $\beta$ activity in Venezuelan equine encephalitis virus infection. <i>PLoS ONE</i> , <b>2012</b> , 7, e34761  | 3.7  | 42        |

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|----|---|-----|----|
| 92 | Reverse-phase phosphoproteome analysis of signaling pathways induced by Rift valley fever virus in human small airway epithelial cells. <i>PLoS ONE</i> , <b>2010</b> , 5, e13805   | 3.7 | 42 |
| 91 | Chromatin dynamics associated with HIV-1 Tat-activated transcription. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2010</b> , 1799, 275-85  | 6   | 42 |
| 90 | p53 Activation following Rift Valley fever virus infection contributes to cell death and viral production. <i>PLoS ONE</i> , <b>2012</b> , 7, e36327  | 3.7 | 40 |
| 89 | Transcription through the HIV-1 nucleosomes: effects of the PBAF complex in Tat activated transcription. <i>Virology</i> , <b>2010</b> , 405, 322-33  | 3.6 | 39 |
| 88 | Inhibition of human immunodeficiency virus type-1 by cdk inhibitors. <i>AIDS Research and Therapy</i> , <b>2010</b> , 7, 7  | 3   | 39 |
| 87 | CDK13, a new potential human immunodeficiency virus type 1 inhibitory factor regulating viral mRNA splicing. <i>Journal of Virology</i> , <b>2008</b> , 82, 7155-66   | 6.6 | 39 |
| 86 | Pharmacological cyclin-dependent kinase inhibitors as HIV-1 antiviral therapeutics. <i>Current HIV Research</i> , <b>2003</b> , 1, 131-52   | 1.3 | 36 |
| 85 | Alpha 1 Antitrypsin is an Inhibitor of the SARS-CoV-2-Priming Protease TMPRSS2. <i>Pathogens and Immunity</i> , <b>2021</b> , 6, 55-74  | 4.9 | 36 |
| 84 | Venezuelan Equine Encephalitis Virus Induces Apoptosis through the Unfolded Protein Response Activation of EGR1. <i>Journal of Virology</i> , <b>2016</b> , 90, 3558-72   | 6.6 | 33 |
| 83 | Effect of transcription peptide inhibitors on HIV-1 replication. <i>Virology</i> , <b>2008</b> , 376, 308-22  | 3.6 | 33 |
| 82 | Analysis of the roles of HIV-derived microRNAs. <i>Expert Opinion on Biological Therapy</i> , <b>2011</b> , 11, 17-29   | 5.4 | 32 |
| 81 | Varying modulation of HIV-1 LTR activity by Baf complexes. <i>Journal of Molecular Biology</i> , <b>2011</b> , 411, 581-96  | 6.6 | 29 |
| 80 | Direct detection of diverse metabolic changes in virally transformed and tax-expressing cells by mass spectrometry. <i>PLoS ONE</i> , <b>2010</b> , 5, e12590   | 3.7 | 28 |
| 79 | Selective Inhibitor of Nuclear Export (SINE) Compounds Alter New World Alphavirus Capsid Localization and Reduce Viral Replication in Mammalian Cells. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005122 | 4.8 | 28 |
| 78 | Discovery of Novel Small-Molecule Inhibitors of LIM Domain Kinase for Inhibiting HIV-1. <i>Journal of Virology</i> , <b>2017</b> , 91,  | 6.6 | 27 |
| 77 | Repurposing FDA-approved drugs as therapeutics to treat Rift Valley fever virus infection. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 676  | 5.7 | 26 |
| 76 | Alteration in superoxide dismutase 1 causes oxidative stress and p38 MAPK activation following RVFV infection. <i>PLoS ONE</i> , <b>2011</b> , 6, e20354  | 3.7 | 26 |
| 75 | The role of IKK $\alpha$ in Venezuelan equine encephalitis virus infection. <i>PLoS ONE</i> , <b>2014</b> , 9, e86745   | 3.7 | 26 |

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|----|--|------|----|
| 74 | Repurposed FDA-Approved drug sorafenib reduces replication of Venezuelan equine encephalitis virus and other alphaviruses. <i>Antiviral Research</i> , <b>2018</b> , 157, 57-67  | 10.8 | 24 |
| 73 | Ablation of Programmed -1 Ribosomal Frameshifting in Venezuelan Equine Encephalitis Virus Results in Attenuated Neuropathogenicity. <i>Journal of Virology</i> , <b>2017</b> , 91,   | 6.6  | 24 |
| 72 | Human T-lymphotropic virus type 1 transcription and chromatin-remodeling complexes. <i>Journal of Virology</i> , <b>2010</b> , 84, 4755-68   | 6.6  | 24 |
| 71 | Alpha 1 Antitrypsin is an Inhibitor of the SARS-CoV-2-Priming Protease TMPRSS2 <b>2020</b> ,   |      | 24 |
| 70 | A $\Delta$ AV motif in the Rift Valley fever virus NSs protein is essential for degrading p62, forming nuclear filaments and virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6021-6 | 11.5 | 23 |
| 69 | Inhibition of Tat-mediated HIV-1 replication and neurotoxicity by novel GSK3-beta inhibitors. <i>Virology</i> , <b>2011</b> , 415, 56-68   | 3.6  | 22 |
| 68 | Multi-faceted proteomic characterization of host protein complement of Rift Valley fever virus virions and identification of specific heat shock proteins, including HSP90, as important viral host factors. <i>PLoS ONE</i> , <b>2014</b> , 9, e93483     | 3.7  | 22 |
| 67 | 1E7-03, a low MW compound targeting host protein phosphatase-1, inhibits HIV-1 transcription. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 5059-75  | 8.6  | 21 |
| 66 | Localization and sub-cellular shuttling of HTLV-1 tax with the miRNA machinery. <i>PLoS ONE</i> , <b>2012</b> , 7, e40662  | 9.7  | 21 |
| 65 | The use of Nanotrap particles for biodefense and emerging infectious disease diagnostics. <i>Pathogens and Disease</i> , <b>2014</b> , 71, 164-76  | 4.2  | 20 |
| 64 | Design of Potential Bisubstrate Inhibitors against (Mtb) 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (Dxr)-Evidence of a Novel Binding Mode. <i>MedChemComm</i> , <b>2013</b> , 4, 1099-1104   | 5    | 20 |
| 63 | The use of NanoTrap particles as a sample enrichment method to enhance the detection of Rift Valley Fever Virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2296  | 4.8  | 20 |
| 62 | Novel HIV-1 therapeutics through targeting altered host cell pathways. <i>Expert Opinion on Biological Therapy</i> , <b>2009</b> , 9, 1369-82  | 5.4  | 20 |
| 61 | The ubiquitin proteasome system plays a role in venezuelan equine encephalitis virus infection. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124792   | 3.7  | 20 |
| 60 | Small molecule inhibitors of Ago2 decrease Venezuelan equine encephalitis virus replication. <i>Antiviral Research</i> , <b>2014</b> , 112, 26-37  | 10.8 | 19 |
| 59 | Venezuelan Equine Encephalitis Virus Capsid-The Clever Cap. <i>Viruses</i> , <b>2017</b> , 9,  | 6.2  | 19 |
| 58 | Use of ATP analogs to inhibit HIV-1 transcription. <i>Virology</i> , <b>2012</b> , 432, 219-31   | 3.6  | 19 |
| 57 | Novel neuroprotective GSK-3 $\beta$ inhibitor restricts Tat-mediated HIV-1 replication. <i>Journal of Virology</i> , <b>2014</b> , 88, 1189-208  | 6.6  | 18 |

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| 56 | Novel inhibitors targeting Venezuelan equine encephalitis virus capsid protein identified using In Silico Structure-Based-Drug-Design. <i>Scientific Reports</i> , <b>2017</b> , 7, 17705  | 4.9  | 18 |
| 55 | Rapid, non-targeted discovery of biochemical transformation and biomarker candidates in oncovirus-infected cell lines using LAESI mass spectrometry. <i>Chemical Communications</i> , <b>2012</b> , 48, 3700-25.8                            | 5.8  | 18 |
| 54 | 9-Aminoacridine inhibition of HIV-1 Tat dependent transcription. <i>Virology Journal</i> , <b>2009</b> , 6, 114  | 6.1  | 18 |
| 53 | Optical Imaging of Paramagnetic Bead-DNA Aggregation Inhibition Allows for Low Copy Number Detection of Infectious Pathogens. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129830   | 3.7  | 17 |
| 52 | Identification of novel antivirals inhibiting recognition of Venezuelan equine encephalitis virus capsid protein by the Importin $\alpha$ heterodimer through high-throughput screening. <i>Antiviral Research</i> , <b>2018</b> , 151, 8-19 | 10.8 | 16 |
| 51 | Inhibition of host extracellular signal-regulated kinase (ERK) activation decreases new world alphavirus multiplication in infected cells. <i>Virology</i> , <b>2014</b> , 468-470, 490-503  | 3.6  | 16 |
| 50 | Drug 9AA reactivates p21/Waf1 and Inhibits HIV-1 progeny formation. <i>Virology Journal</i> , <b>2008</b> , 5, 41  | 6.1  | 16 |
| 49 | Phloretin inhibits Zika virus infection by interfering with cellular glucose utilisation. <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 54, 80-84   | 14.3 | 15 |
| 48 | Mutation of the BRCA1 SQ-cluster results in aberrant mitosis, reduced homologous recombination, and a compensatory increase in non-homologous end joining. <i>Oncotarget</i> , <b>2015</b> , 6, 27674-87                                     | 3.3  | 15 |
| 47 | The Pro-Inflammatory Chemokines CXCL9, CXCL10 and CXCL11 Are Upregulated Following SARS-CoV-2 Infection in an AKT-Dependent Manner. <i>Viruses</i> , <b>2021</b> , 13,   | 6.2  | 15 |
| 46 | Rapamycin modulation of p70 S6 kinase signaling inhibits Rift Valley fever virus pathogenesis. <i>Antiviral Research</i> , <b>2017</b> , 143, 162-175  | 10.8 | 14 |
| 45 | New World alphavirus protein interactomes from a therapeutic perspective. <i>Antiviral Research</i> , <b>2019</b> , 163, 125-139   | 10.8 | 13 |
| 44 | Protein Phosphatase-1 regulates Rift Valley fever virus replication. <i>Antiviral Research</i> , <b>2016</b> , 127, 79-89  | 10.8 | 13 |
| 43 | Sorafenib Impedes Rift Valley Fever Virus Egress by Inhibiting Valosin-Containing Protein Function in the Cellular Secretory Pathway. <i>Journal of Virology</i> , <b>2017</b> , 91,   | 6.6  | 13 |
| 42 | microRNA machinery is an integral component of drug-induced transcription inhibition in HIV-1 infection. <i>Journal of Rnai and Gene Silencing</i> , <b>2010</b> , 6, 386-400  |      | 13 |
| 41 | Better understanding and prediction of antiviral peptides through primary and secondary structure feature importance. <i>Scientific Reports</i> , <b>2020</b> , 10, 19260  | 4.9  | 13 |
| 40 | Characterizing the effect of Bortezomib on Rift Valley Fever Virus multiplication. <i>Antiviral Research</i> , <b>2015</b> , 120, 48-56  | 10.8 | 12 |
| 39 | Alterations in the host transcriptome in vitro following Rift Valley fever virus infection. <i>Scientific Reports</i> , <b>2017</b> , 7, 14385   | 4.9  | 12 |

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|----|---|-----|----|
| 38 | The use of Nanotrap particles in the enhanced detection of Rift Valley fever virus nucleoprotein. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128215  | 3.7 | 11 |
| 37 | The role of signal transducer and activator of transcription 3 in Rift Valley fever virus infection. <i>Virology</i> , <b>2016</b> , 496, 175-185   | 3.6 | 10 |
| 36 | EGR1 upregulation following Venezuelan equine encephalitis virus infection is regulated by ERK and PERK pathways contributing to cell death. <i>Virology</i> , <b>2020</b> , 539, 121-128                             | 3.6 | 10 |
| 35 | Enhanced detection of respiratory pathogens with nanotrap particles. <i>Virulence</i> , <b>2016</b> , 7, 756-69   | 4.7 | 9  |
| 34 | Transcriptional Gene Silencing (TGS) via the RNAi Machinery in HIV-1 Infections. <i>Biology</i> , <b>2012</b> , 1, 339-69   | 4.9 | 9  |
| 33 | Cell-type-specific proteome and interactome: using HIV-1 Tat as a test case. <i>Expert Review of Proteomics</i> , <b>2009</b> , 6, 515-26   | 4.2 | 9  |
| 32 | Protein Phosphatase 1 Interacts with Venezuelan Equine Encephalitis Virus Capsid Protein and Regulates Viral Replication through Modulation of Capsid Phosphorylation. <i>Journal of Virology</i> , <b>2018</b> , 92, | 6.6 | 9  |
| 31 | Novel RU486 (mifepristone) analogues with increased activity against Venezuelan Equine Encephalitis Virus but reduced progesterone receptor antagonistic activity. <i>Scientific Reports</i> , <b>2019</b> , 9, 2634  | 4.9 | 8  |
| 30 | Role of Bruton's tyrosine kinase inhibitors in HIV-1-infected cells. <i>Journal of NeuroVirology</i> , <b>2015</b> , 21, 257-75   | 3.9 | 8  |
| 29 | Proteomic strategies for the discovery of novel diagnostic and therapeutic targets for infectious diseases. <i>Pathogens and Disease</i> , <b>2014</b> , 71, 177-89   | 4.2 | 8  |
| 28 | Targeting protein-protein interaction interfaces in COVID-19 drug discovery. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 2246-2255  | 6.8 | 8  |
| 27 | BRCA1 functions as a novel transcriptional cofactor in HIV-1 infection. <i>Virology Journal</i> , <b>2015</b> , 12, 40  | 6.1 | 7  |
| 26 | Exosomes derived from HTLV-1 infected cells contain the viral protein Tax. <i>Retrovirology</i> , <b>2014</b> , 11, O46   | 3.6 | 7  |
| 25 | Developments in antivirals against influenza, smallpox and hemorrhagic fever viruses. <i>Expert Opinion on Investigational Drugs</i> , <b>2011</b> , 20, 239-54   | 5.9 | 7  |
| 24 | Cyclin dependent kinases as attractive targets to prevent transcription from viral genomes. <i>Current Pharmaceutical Design</i> , <b>2009</b> , 15, 2520-32  | 3.3 | 7  |
| 23 | The identification of unique serum proteins of HIV-1 latently infected long-term non-progressor patients. <i>AIDS Research and Therapy</i> , <b>2010</b> , 7, 21  | 3   | 7  |
| 22 | Phosphoproteomic analysis reveals Smad protein family activation following Rift Valley fever virus infection. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191983  | 3.7 | 7  |
| 21 | Venezuelan Equine Encephalitis Virus Capsid Implicated in Infection-Induced Cell Cycle Delay. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 3126  | 5.7 | 7  |

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|----|---|------|---|
| 20 | Improved plaque assay for human coronaviruses 229E and OC43. <i>PeerJ</i> , <b>2020</b> , 8, e10639   | 3.1  | 6 |
| 19 | Retroviral proteomics and interactomes: intricate balances of cell survival and viral replication. <i>Expert Review of Proteomics</i> , <b>2008</b> , 5, 507-28   | 4.2  | 5 |
| 18 | Magnetic Nanotrap Particles Preserve the Stability of Venezuelan Equine Encephalitis Virus in Blood for Laboratory Detection. <i>Frontiers in Veterinary Science</i> , <b>2019</b> , 6, 509   | 3.1  | 5 |
| 17 | Use of Nanotrap particles for the capture and enrichment of Zika, chikungunya and dengue viruses in urine. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227058   | 3.7  | 5 |
| 16 | Combination Kinase Inhibitor Treatment Suppresses Rift Valley Fever Virus Replication. <i>Viruses</i> , <b>2018</b> , 10,   | 6.2  | 4 |
| 15 | Modeling the Tertiary Structure of the Rift Valley Fever Virus L Protein. <i>Molecules</i> , <b>2019</b> , 24,  | 4.8  | 3 |
| 14 | Protein Kinase C subtype $\text{I}\alpha$ interacts with Venezuelan equine encephalitis virus capsid protein and regulates viral RNA binding through modulation of capsid phosphorylation. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008282 | 7.6  | 3 |
| 13 | Proteomic Discovery of VEEV E2-Host Partner Interactions Identifies GRP78 Inhibitor HA15 as a Potential Therapeutic for Alphavirus Infections. <i>Pathogens</i> , <b>2021</b> , 10,   | 4.5  | 3 |
| 12 | Adenovirus transduction to express human ACE2 causes obesity-specific morbidity in mice, impeding studies on the effect of host nutritional status on SARS-CoV-2 pathogenesis. <i>Virology</i> , <b>2021</b> , 563, 98-106                    | 3.6  | 3 |
| 11 | Silicon Nitride Inactivates SARS-CoV-2 in vitro   |      | 2 |
| 10 | Resveratrol Inhibits Venezuelan Equine Encephalitis Virus Infection by Interfering with the AKT/GSK Pathway. <i>Plants</i> , <b>2021</b> , 10,  | 4.5  | 2 |
| 9  | Homoseongomycin, a compound isolated from marine actinomycete bacteria K3-1, is a potent inhibitor of encephalitic alphaviruses. <i>Antiviral Research</i> , <b>2021</b> , 191, 105087  | 10.8 | 2 |
| 8  | Rift Valley fever virus Gn V5-epitope tagged virus enables identification of UBR4 as a Gn interacting protein that facilitates Rift Valley fever virus production.. <i>Virology</i> , <b>2022</b> , 567, 65-76                                | 3.6  | 1 |
| 7  | PERK Is Critical for Alphavirus Nonstructural Protein Translation. <i>Viruses</i> , <b>2021</b> , 13,   | 6.2  | 1 |
| 6  | Host-based processes as therapeutic targets for Rift Valley fever virus. <i>Antiviral Research</i> , <b>2018</b> , 160, 64-78   | 10.8 | 1 |
| 5  | Junin Virus Activates p38 MAPK and HSP27 Upon Entry.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 798978  | 5.9  | 0 |
| 4  | EGR1 Upregulation during Encephalitic Viral Infections Contributes to Inflammation and Cell Death. <i>Viruses</i> , <b>2022</b> , 14, 1210  | 6.2  | 0 |
| 3  | Detection of Highly Pathogenic Viral Agents <b>2010</b> , 417-429   |      |   |

2 Identifying membrane protein surface markers of HIV-1 infection. *Future HIV Therapy*, **2008**, 2, 155-165

1 Use of magnetic nanotrap particles in capturing *Yersinia pestis* virulence factors, nucleic acids and bacteria. *Journal of Nanobiotechnology*, **2021**, 19, 186

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