

INFECTION LITERATURE

InfectionType	EXTERNAL_ID	PMCID	TITLE	DOI
bacteria	11805289	PMC122220	Human macrophage activation programs induced by bacterial pathogens.	10.1073/pnas.022649799
bacteria	24347837	PMC3852091	E. coli endotoxin modulates the expression of Sirtuin proteins in PBMC in humans.	10.1155/2013/876943
bacteria	25818652	PMC4624300	The Streptococcus pyogenesâ€¦NAD(+) glycohydrolase modulates epithelial cell PARylation and HMGB1 release.	10.1111/cmi.12442
bacteria	28348560	PMC5346559	Specific Strains of Lactic Acid Bacteria Differentially Modulate the Profile of Adipokines <i>In Vitro</i>.	10.3389/fimmu.2017.00266
bacteria	33244244	PMC7683351	Prediction of the Risk of Hospital Deaths in Patients with Hospital-Acquired Pneumonia Caused by Multidrug-Resistant <i>Acinetobacter baumannii</i> Infection: A Multi-Center Study.	10.2147/idr.s265195
bacteria	33740012	PMC8011790	Resident bacteria contribute to opportunistic infections of the respiratory tract.	10.1371/journal.ppat.1009436
bacteria	29925409	PMC6011518	Sexual dimorphism in bacterial infections.	10.1186/s13293-018-0187-5
bacteria	31350813	PMC6714139	Toll-like receptor 4: A promising therapeutic target for pneumonia caused by Gram-negative bacteria.	10.1111/jcmm.14529

bacteria	33585278	PMC7879570	Immunometabolism of Macrophages in Bacterial Infections.	10.3389/fcimb.2020.607650
bacterial	7486947	PMC162854	Ex vivo effect of azithromycin in human leukocyte bactericidal functions.	10.1128/aac.39.8.1906
bacterial	24470219	PMC4065264	MicroRNA regulation of bovine monocyte inflammatory and metabolic networks in an in vivo infection model.	10.1534/g3.113.009936
bacterial	30673740	PMC6343869	Suprapubic bladder drainage and epidural catheters following abdominal surgery-A risk for urinary tract infections?	10.1371/journal.pone.0209825
bacterial	PMC1084327	PMC1084327	Analysis of host response to bacterial infection using error model based gene expression microarray experiments	10.1093/nar/gki532
bacterial	26900306	PMC4760071	Association between Bacterial Infection and Peripheral Vascular Disease: A Review.	10.1055/s-0035-1547385
bacterial acteno	29387342	PMC5775564	Efficacy of intravenous plus intrathecal/intracerebral ventricle injection of polymyxin B for post-neurosurgical intracranial infections due to MDR/XDR Acinetobacter baumannii: a retrospective cohort study.	10.1186/s13756-018-0305-5
bacterial coxiella	20730052	PMC2921390	Sex-related differences in gene expression following Coxiella burnetii infection in mice: potential role of circadian rhythm.	10.1371/journal.pone.0012190
bacterial coxiella	23990884	PMC3749201	Proteomic and systems biology analysis of the monocyte response to Coxiella burnetii infection.	10.1371/journal.pone.0069558
bacterial Salmor	21172007	PMC3022924	Global analysis of the eukaryotic pathways and networks regulated by Salmonella typhimurium in mouse intestinal infection in vivo.	10.1186/1471-2164-11-722

bacterial staphyl	28428684	PMC5385907	Innate Immunity of Adipose Tissue in Rodent Models of Local and Systemic <i>Staphylococcus aureus</i> Infection.	10.1155/2017/5315602
bacterial Strep	19424507	PMC2676512	Enhanced monocyte response and decreased central memory T cells in children with invasive <i>Staphylococcus aureus</i> infections.	10.1371/journal.pone.0005446
fungus	29312892	PMC5733060	<i>Toxoplasma gondii</i> Infection Is Associated with Mitochondrial Dysfunction <i>in-Vitro</i> .	10.3389/fcimb.2017.00512
Heliobacter	28120588		The Association of Chlamydia pneumonia and Helicobacter pylori IgG Seropositivity With Omentin-1, Visfatin and Adiponectin Levels in Postmenopausal Women.	
heliobacter	34063466	PMC8156685	AdipoRon, an Orally Active, Synthetic Agonist of AdipoR1 and AdipoR2 Receptors Has Gastroprotective Effect in Experimentally Induced Gastric Ulcers in Mice.	10.3390/molecules26102946
Heliobacter	28652651	PMC5473117	Molecular mimicry in <i>Helicobacter pylori</i> infections.	10.3748/wjg.v23.i22.3964
helminthus	33042134	PMC7524873	Impact of Helminth Infection on Metabolic and Immune Homeostasis in Non-diabetic Obesity.	10.3389/fimmu.2020.02195
HSN1	18684821	PMC2573250	Gene expression analysis of host innate immune responses during Lethal H5N1 infection in ferrets.	10.1128/jvi.00691-08
infection	16021090	PMC1382169	Pre-B-cell colony-enhancing factor is a secreted cytokine-like protein from the human amniotic epithelium.	10.1016/j.ajog.2004.11.003
infection	18691624	PMC7115550	Gene profiling analysis of ALVAC infected human monocyte derived dendritic cells.	10.1016/j.vaccine.2008.07.050

infection	19650757	PMC2802659	Low circulating maternal adiponectin in patients with pyelonephritis: adiponectin at the crossroads of pregnancy and infection.	10.1515/jpm.2009.134
infection	21914779		Intracellular survival of Staphylococcus aureus in adipocyte-like differentiated 3T3-L1 cells is glucose dependent and alters cytokine, chemokine, and adipokine secretion.	10.1210/en.2011-0103
infection	25214998	PMC4129702	Visfatin levels in patients with severe pneumonia.	10.5847/wjem.j.1920-8642.2011.02.010
infection	26120581	PMC4450245	Potential Peripartum Markers of Infectious-Inflammatory Complications in Spontaneous Preterm Birth.	10.1155/2015/343501
infection	31056993		Nicotinamide phosphoribosyltransferase and intra-amniotic inflammation in preterm prelabor rupture of membranes.	10.1080/14767058.2019.1615049
infection	32972442	PMC7512220	A SWATH-MS analysis of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome peripheral blood mononuclear cell proteomes reveals mitochondrial dysfunction.	10.1186/s12967-020-02533-3
infection	33008659	PMC7672402	Serum irisin level, insulin resistance, and lipid profiles in patients with hidradenitis suppurativa: a case-control study.	10.1016/j.abd.2020.04.009
infection	17118983	PMC1828569	Adipocyte, adipose tissue, and infectious disease.	10.1128/iai.01455-06
infection	26106385	PMC4460799	The Role of Infection and Inflammation in Stillbirths: Parallels with SIDS?	10.3389/fimmu.2015.00248
infection	31908656	PMC6937531	Hidradenitis suppurativa: infection, autoimmunity, or both?	10.1177/1759720x19895488

infection	33008429	PMC7532589	The role of leptin in selected skin diseases.	10.1186/s12944-020-01391-8
infection	PMC8171187	PMC8171187	NAD+ Metabolism, Metabolic Stress, and Infection	
infection	21735058		Resistin and visfatin: are they valuable enough to be the differential diagnosis in familial Mediterranean fever with acute appendicitis?	2012
infection	23404558		Regulation of visfatin by microbial and biomechanical signals in PDL cells	2014
infection	23466352		Elevated plasma visfatin concentrations in patients with community-acquired pneumonia	2013
infection	23804809		Inhibition of pre-B cell colony-enhancing factor (PBEF/NAMPT/visfatin) decreases the ability of human neutrophils to generate reactive oxidants but does not impair bacterial killing	2013
infection	26395219		Oral treatments of Echinococcus multilocularis-infected mice with the antimalarial drug mefloquine that potentially interacts with parasite ferritin and cystatin	2015
infection	30293125		Visfatin and insulin levels and cigarette smoking are independent risk factors for hidradenitis suppurativa: a case-control study	2018
infection	31786710		Circulating levels of adiponectin, leptin, resistin and visfatin in non-diabetics patients with hidradenitis suppurativa	2020
infection	33800040	PMC7999683	Comparison of Enterococcus faecalis Biofilm Removal Efficiency among Bacteriophage PBEF129, Its Endolysin, and Cefotaxime	2021

Listeria	29257110	PMC5750592	Prebiotic Oligosaccharides Potentiate Host Protective Responses against L. Monocytogenes Infection.	10.3390/pathogens6040068
microbe	19706840	PMC2780914	Transmigration across activated endothelium induces transcriptional changes, inhibits apoptosis, and decreases antimicrobial protein expression in human monocytes.	10.1189/jlb.0209062
microbia	31024869	PMC6460951	The Gut Microbiota-Host Partnership as a Potential Driver of Kawasaki Syndrome.	10.3389/fped.2019.00124
microbial	18598235	PMC2581638	Visfatin/Pre-B cell colony-enhancing factor in amniotic fluid in normal pregnancy, spontaneous labor at term, preterm labor and prelabor rupture of membranes: an association with subclinical intrauterine infection in preterm	10.1515/jpm.2008.084
microbial	19065463	PMC3174736	Resistin in amniotic fluid and its association with intra-amniotic infection and inflammation.	10.1080/14767050802320357
microbial	19900011	PMC3578505	Retinol binding protein 4: an adipokine associated with intra-amniotic infection/inflammation.	10.3109/14767050902994739
microbial	23198120	PMC3484779	Emerging biomarkers for the diagnosis of severe neonatal infections applicable to low resource settings.	
microbial	26485703	PMC4618693	Phenotypic and Functional Alterations in Circulating Memory CD8 T Cells with Time after Primary Infection.	10.1371/journal.ppat.1005219
microbial	27627125	PMC5048729	Results after implementation of a protocol on the incidence of urinary tract infection in an intensive care unit.	10.1590/1518-8345.0866.2804
microbial	27965958	PMC5126693	A Dormant Microbial Component in the Development of Preeclampsia.	10.3389/fmed.2016.00060

microRNA	26100857	PMC4479415	A metabolic stress-inducible miR-34a-HNF4 β pathway regulates lipid and lipoprotein metabolism.	10.1038/ncomms8466
microRNA	28901463	PMC5865797	MicroRNA expression profiles and networks in placentas complicated with selective intrauterine growth restriction.	10.3892/mmr.2017.7462
modulation	23497622	PMC3672474	Glycyrrhizin protects against porcine endotoxemia through modulation of systemic inflammatory response.	10.1186/cc12558
modulation	24151494	PMC3799205	Role of adipokines signaling in the modulation of T cells function.	10.3389/fimmu.2013.00332
myobacteria	16299335	PMC1307063	Mycobacterium-induced potentiation of type 1 immune responses and protection against malaria are host specific.	10.1128/iai.73.12.8369-8380.2005
myobacteria	16790804	PMC1489748	Genetically determined susceptibility to tuberculosis in mice causally involves accelerated and enhanced recruitment of granulocytes.	10.1128/iai.00057-06
myobacteria	18787177	PMC2660564	Human alveolar macrophage gene responses to Mycobacterium tuberculosis strains H37Ra and H37Rv.	10.1165/rcmb.2008-0219oc
myobacteria	19057661	PMC2585058	Identification of tuberculosis susceptibility genes with human macrophage gene expression profiles.	10.1371/journal.ppat.1000229
myobacteria	21559362	PMC3084844	Characteristics and treatment outcomes of patients with MDR and XDR tuberculosis in a TB referral hospital in Beijing: a 13-year experience.	10.1371/journal.pone.0019399
myobacteria	22798072	PMC3464548	Structural determination and Toll-like receptor 2-dependent proinflammatory activity of dimycolyl-diarabino-glycerol from Mycobacterium marinum.	10.1074/jbc.m112.378083

myobacteria	23029268	PMC3448682	Genome-wide expression profiling identifies type 1 interferon response pathways in active tuberculosis.	10.1371/journal.pone.0045839
myobacteria	26771473	PMC4729624	Type 2 diabetes mellitus coincident with pulmonary or latent tuberculosis results in modulation of adipocytokines.	10.1016/j.cyto.2015.12.026
myobacteria	27717783	PMC5164955	Tuberculosis-diabetes co-morbidity is characterized by heightened systemic levels of circulating angiogenic factors.	10.1016/j.jinf.2016.08.021
myobacteria	29040326	PMC5695609	Mycobacterium tuberculosis infection modulates adipose tissue biology.	10.1371/journal.ppat.1006676
myobacteria	29996103	PMC6136256	NAD ⁺ Depletion Triggers Macrophage Necroptosis, a Cell Death Pathway Exploited by Mycobacterium tuberculosis.	10.1016/j.celrep.2018.06.042
myobacteria	29996931	PMC6042382	Development and validation of the pulmonary tuberculosis scale of the system of Quality of Life Instruments for Chronic Diseases (QLICD-PT).	10.1186/s12955-018-0960-5
myobacteria	30034244	PMC6047615	Identifying differentially expressed long non-coding RNAs in PBMCs in response to the infection of multidrug-resistant tuberculosis.	10.2147/idr.s154255
myobacteria	30053801	PMC6064076	Understanding the role of interactions between host and Mycobacterium tuberculosis under hypoxic condition: an in silico approach.	10.1186/s12864-018-4947-8
myobacteria	30717477	PMC6387094	Different Signaling Pathways Define Different Interferon-Stimulated Gene Expression during Mycobacteria Infection in Macrophages.	10.3390/ijms20030663
myobacteria	31509891	PMC6925628	NAD hydrolysis by the tuberculosis necrotizing toxin induces lethal oxidative stress in macrophages.	10.1111/cmi.13115

myobacteria	31749827	PMC6844239	Identification and Classification of Differentially Expressed Genes and Network Meta-Analysis Reveals Potential Molecular Signatures Associated With Tuberculosis.	10.3389/fgene.2019.00932
myobacteria	32341411	PMC7184630	Analyzing the impact of Mycobacterium tuberculosis infection on primary human macrophages by combined exploratory and targeted metabolomics.	10.1038/s41598-020-62911-1
myobacteria	32391286	PMC7190864	Infection of Monocytes From Tuberculosis Patients With Two Virulent Clinical Isolates of Mycobacterium tuberculosis Induces Alterations in Myeloid Effector Functions.	10.3389/fcimb.2020.00163
myobacteria	32681594	PMC7676204	The mRNA expression of visfatin and lipocalin-2 in peripheral blood mononuclear cells from patients with pulmonary tuberculosis.	10.1002/jcla.23476
myobacteria	33336078	PMC7718620	Behçet's disease with latent Mycobacterium tuberculosis infection.	10.1515/med-2021-0002
myobacteria	33498280	PMC7909288	Weighted Gene Co-Expression Network Analysis Identifies Key Modules and Hub Genes Associated with Mycobacterial Infection of Human Macrophages.	10.3390/antibiotics10020097
myobacteria	24550920	PMC3913996	Reverse translation in tuberculosis: neutrophils provide clues for understanding development of active disease.	10.3389/fimmu.2014.00036
myobacteria	30914513	PMC6437057	Biphasic Dynamics of Macrophage Immunometabolism during Mycobacterium tuberculosis Infection.	10.1128/mbio.02550-18
myobacteria	18490451	PMC2443648	Biosynthesis and recycling of nicotinamide cofactors in mycobacterium tuberculosis. An essential role for NAD in nonreplicating bacilli	2008
NAD	30556645	PMC6422705	Flow Cytometry Analysis of Free Intracellular NAD ⁺ Using a Targeted Biosensor.	10.1002/cpcy.54

parasite	20361029	PMC2846935	Delineation of diverse macrophage activation programs in response to intracellular parasites and cytokines.	10.1371/journal.pntd.0000648
parasite	20709297	PMC2963626	Integrative genomic approaches highlight a family of parasite-specific kinases that regulate host responses.	10.1016/j.chom.2010.07.004
parasite	21666788	PMC3110165	Effects of chronic ascariasis and trichuriasis on cytokine production and gene expression in human blood: a cross-sectional study.	10.1371/journal.pntd.0001157
parasite	28790316	PMC5548792	A Plasmodium yoelii HECT-like E3 ubiquitin ligase regulates parasite growth and virulence.	10.1038/s41467-017-00267-3
parasite	31706668	PMC6892603	A new chemotype with promise against Trypanosoma cruzi.	10.1016/j.bmcl.2019.126778
parasite	32459815	PMC7252647	Inhibition of the NAD salvage pathway in schistosomes impairs metabolism, reproduction, and parasite survival.	10.1371/journal.ppat.1008539
parasite filaria	22556082	PMC3335688	Effect of filarial infection on serum inflammatory and atherogenic biomarkers in coronary artery disease (CURES-121).	10.4269/ajtmh.2012.11-0773
parasite Helmint	22704549	PMC3419660	The nutritional impacts of soil-transmitted helminths infections among Orang Asli schoolchildren in rural Malaysia.	10.1186/1756-3305-5-119
parasite Helmint	29545532	PMC5854586	Helminth infection protects against high fat diet-induced obesity via induction of alternatively activated macrophages.	10.1038/s41598-018-22920-7
pathogen	17512611	PMC2745253	Characterization of a severe parenchymal phenotype of experimental autoimmune encephalomyelitis in (C57BL6xB10.PL)F1 mice.	10.1016/j.jneuroim.2007.04.007

pathogen	19662102	PMC2721228	The Epithelial Cell in Lung Health and Emphysema Pathogenesis.	10.2174/157339806776843085
pathogen	22257721	PMC3298487	Microarray analysis on germfree mice elucidates the primary target of a traditional Japanese medicine jumentaihoto: acceleration of IFN- γ response via affecting the ISGF3-IRF7 signaling cascade.	10.1186/1471-2164-13-30
pathogen	23724078	PMC3665594	The evolutionary portrait of metazoan NAD salvage.	10.1371/journal.pone.0064674
pathogen	25135243	PMC6638400	A novel methyltransferase from the intracellular pathogen <i>Plasmodiophora brassicae</i> methylates salicylic acid.	10.1111/mpp.12185
pathogen	27895630	PMC5107563	Comparative Functional Genomic Analysis of Two <i>Vibrio</i> Phages Reveals Complex Metabolic Interactions with the Host Cell.	10.3389/fmicb.2016.01807
pathogen	28147283	PMC5340258	Immune Escape via a Transient Gene Expression Program Enables Productive Replication of a Latent Pathogen.	10.1016/j.celrep.2017.01.017
pathogen	31024862	PMC6467950	Macrophages Infected by a Pathogen and a Non-pathogen Spotted Fever Group <i>Rickettsia</i> Reveal Differential Reprogramming Signatures Early in Infection.	10.3389/fcimb.2019.00097
pathogen	32886659	PMC7508399	Early immune suppression leads to uncontrolled mite proliferation and potent host inflammatory responses in a porcine model of crusted versus ordinary scabies.	10.1371/journal.pntd.0008601
pathogen	22462624		Visfatin/NAMPT: a multifaceted molecule with diverse roles in physiology and pathophysiology.	10.1146/annurev-nutr-071811-150746
pathogen	29085810	PMC5650615	Innate Immune Recognition: Implications for the Interaction of <i>Francisella tularensis</i> with the Host Immune System.	10.3389/fcimb.2017.00446

pathogen	32029454	PMC7050484	The impact of PARPs and ADP-ribosylation on inflammation and host-pathogen interactions.	10.1101/gad.334425.119
pathogen	32751625	PMC7432002	Innate Immune Response to Tick-Borne Pathogens: Cellular and Molecular Mechanisms Induced in the Hosts.	10.3390/ijms21155437
peridontitis	33408827	PMC7770404	Effect of non-surgical periodontal treatment on three salivary adipokines in diabetic patients with periodontitis.	10.34172/joddd.2020.029
peridontitis	33424167	PMC7781257	Management of periodontal disease in patients with diabetes- good clinical practice guidelines: A joint statement by Indian Society of Periodontology and Research Society for the Study of Diabetes in India.	10.4103/jisp.jisp_688_20
peridontitis	33578781	PMC7916510	FK866 Protects Human Dental Pulp Cells against Oxidative Stress-Induced Cellular Senescence.	10.3390/antiox10020271
peridontitis	33787598	PMC8021377	A retrospective study of orthodontic treatment on anterior tooth displacement caused by periodontal disease.	10.1097/md.0000000000025181
peridontitis	25052571		The role of adipokines in periodontal infection and healing.	10.1111/omi.12070
peridontitis	28932156	PMC5594975	Possible interaction between visfatin, periodontal infection, and other systemic diseases: A brief review of literature.	10.4103/ejd.ejd_284_16
peridontitis	34063235	PMC8125164	Systemic Lupus Erythematosus and Periodontal Disease: A Complex Clinical and Biological Interplay.	10.3390/jcm10091957
peridontitis	28819322	PMC5579510	NAMPT enzyme activity regulates catabolic gene expression in gingival fibroblasts during periodontitis.	10.1038/emm.2017.116

peridontitis	29398856	PMC5771108	Comparison of bone mineral density among pre- and post-menopausal women with and without chronic generalized periodontitis.	10.4103/jisp.jisp_43_16
peridontitis	29576773	PMC5858068	Visfatin expression in gingival tissues of chronic periodontitis and aggressive periodontitis patients: An immunohistochemical analysis.	10.4103/1735-3327.226528
peridontitis	30186882	PMC6116390	Effects of Systemic Simvastatin on the Concentrations of Visfatin, Tumor Necrosis Factor- α , and Interleukin-6 in Gingival Crevicular Fluid in Patients with Type 2 Diabetes and Chronic Periodontitis.	10.1155/2018/8481735
peridontitis	31365708	PMC6690727	The role of visfatin levels in gingival crevicular fluid as a potential biomarker in the relationship between obesity and periodontal disease.	10.1590/1678-7757-2018-0365
peridontitis	31970132	PMC6962584	Gingival crevicular fluid levels of visfatin in patients with chronic periodontitis and polycystic ovary syndrome.	10.5468/ogs.2020.63.1.87
peridontitis	30922293	PMC6438035	Investigation of molecular biomarker candidates for diagnosis and prognosis of chronic periodontitis by bioinformatics analysis of pooled microarray gene expression datasets in Gene Expression Omnibus (GEO).	10.1186/s12903-019-0738-0
peridontitis	20603072	PMC2923840	The PARP side of the nucleus: molecular actions, physiological outcomes, and clinical targets.	10.1016/j.molcel.2010.06.017
peridontitis	23275933	PMC3530710	Periodontitis and insulin resistance: casual or causal relationship?	10.4093/dmj.2012.36.6.404
peridontitis	28662701	PMC5492908	Association of circulating leptin and adiponectin with periodontitis: a systematic review and meta-analysis.	10.1186/s12903-017-0395-0
peridontitis	21309715		Gingival crevicular fluid and serum visfatin concentration: their relationship in periodontal health and disease	2011

periodontitis	26397131	PMC4786741	Differential Gene Expression Profiles Reflecting Macrophage Polarization in Aging and Periodontitis Gingival Tissues.	10.3109/08820139.2015.1070269
periodontitis	24692844	PMC3944905	Resistin: a potential biomarker for periodontitis influenced diabetes mellitus and diabetes induced periodontitis.	10.1155/2014/930206
plasmodia	16861626	PMC1539612	Filaria-induced monocyte dysfunction and its reversal following treatment.	10.1128/iai.01106-05
plasmodia	17049517	PMC1779952	Plasmodium yoelii yoelii 17XNL constitutively expressing GFP throughout the life cycle.	10.1016/j.exppara.2006.09.008
plasmodia	20813948	PMC3050001	Spiroindolones, a potent compound class for the treatment of malaria.	10.1126/science.1193225
plasmodia	20837716	PMC2981320	Elevated levels of the Plasmodium yoelii homologue of macrophage migration inhibitory factor attenuate blood-stage malaria.	10.1128/iai.00277-10
plasmodia	23634205	PMC3636278	The role of serine-type serine repeat antigen in Plasmodium yoelii blood stage development.	10.1371/journal.pone.0060723
plasmodia	24188121	PMC3928643	Human immune responses to Plasmodium falciparum infection: molecular evidence for a suboptimal TH1 ^{hi} and TH17 bias over ideal and effective traditional TH1 immune response.	10.1186/1475-2875-12-392
plasmodia	24284631	PMC3940870	Targeting Plasmodium PI(4)K to eliminate malaria.	10.1038/nature12782
plasmodia	24747974	PMC3991606	Targeting NAD ⁺ metabolism in the human malaria parasite Plasmodium falciparum.	10.1371/journal.pone.0094061

plasmodia	27642791	PMC5575994	UDP-galactose and acetyl-CoA transporters as Plasmodium multidrug resistance genes.	10.1038/nmicrobiol.2016.166
plasmodia	28851851	PMC5574716	Multifunctional Involvement of a C2H2 Zinc Finger Protein (PbZfp) in Malaria Transmission, Histone Modification, and Susceptibility to DNA Damage Response.	10.1128/mbio.01298-17
plasmodia	30305687	PMC6180128	TRSP is dispensable for the Plasmodium pre-erythrocytic phase.	10.1038/s41598-018-33398-8
plasmodia	31043479	PMC6579477	Ribozyme-mediated, multiplex CRISPR gene editing and CRISPR interference (CRISPRi) in rodent-infectious <i>Plasmodium yoelii</i> .	10.1074/jbc.ra118.007121
plasmodia	31925980	PMC7317818	Transcriptome Analysis Identifies Plasmodiophora brassicae Secondary Infection Effector Candidates.	10.1111/jeu.12784
plasmodia	33604307	PMC7884776	Rab5b-Associated Arf1 GTPase Regulates Export of N-Myristoylated Adenylate Kinase 2 From the Endoplasmic Reticulum in <i>Plasmodium falciparum</i> .	10.3389/fcimb.2020.610200
plasmodia	33747980	PMC7973279	Pleiotropic Roles for the <i>Plasmodium berghei</i> RNA Binding Protein UIS12 in Transmission and Oocyst Maturation.	10.3389/fcimb.2021.624945
plasmodia	28049536	PMC5209802	Usefulness of a biomarker to identify placental dysfunction in the context of malaria.	10.1186/s12936-016-1664-0
plasmodia	2183889		Increased nicotinamide adenine dinucleotide content and synthesis in Plasmodium falciparum-infected human erythrocytes	1990
plasmodia	31238932	PMC6593524	Improvement of an in vitro drug selection method for generating transgenic Plasmodium berghei parasites	2019

sepsis	15124023	PMC398427	Pre-B cell colony-enhancing factor inhibits neutrophil apoptosis in experimental inflammation and clinical sepsis.	10.1172/jci19930
sepsis	17092345	PMC1794458	Neutrophil apoptosis: a marker of disease severity in sepsis and sepsis-induced acute respiratory distress syndrome.	10.1186/cc5090
sepsis	21565968	PMC3148796	Pre-B-cell colony-enhancing factor and its clinical correlates with acute lung injury and sepsis.	10.1378/chest.10-3100
sepsis	24885977	PMC4040506	Haplotype analysis of ApoA1 gene and sepsis-associated acute lung injury.	10.1186/1476-511x-13-79
sepsis	27574633	PMC4978107	Inflammation and cardiac dysfunction during sepsis, muscular dystrophy, and myocarditis.	10.4103/2321-3868.123072
sepsis	28616052	PMC5461586	New emerging biological markers of neonatal sepsis.	10.4103/jrms.jrms_912_15
sepsis	29803807	PMC6236680	Administration of nicotinamide riboside prevents oxidative stress and organ injury in sepsis.	10.1016/j.freeradbiomed.2018.05.073
sepsis	31083558	PMC6572622	Elevated CTRP1 Plasma Concentration Is Associated with Sepsis and Pre-Existing Type 2 Diabetes Mellitus in Critically Ill Patients.	10.3390/jcm8050661
sepsis	32575108	PMC7331480	Bioinformatics-Based Study to Investigate Potential Differentially Expressed Genes and miRNAs in Pediatric Sepsis.	10.12659/msm.923881
sepsis	32618342	PMC7335832	MiR-96-5p alleviates inflammatory responses by targeting NAMPT and regulating the NF- κ B pathway in neonatal sepsis.	10.1042/bsr20201267

sepsis	32908583	PMC7469075	Identification of Key mRNAs and lncRNAs in Neonatal Sepsis by Gene Expression Profiling.	10.1155/2020/8741739
sepsis	34008755	PMC8130060	miR-141 is negatively correlated with TLR4 in neonatal sepsis and regulates LPS-induced inflammatory responses in monocytes.	10.1590/1414-431x2020e10603
sepsis	16222037	PMC2713318	Genetic determinants and ethnic disparities in sepsis-associated acute lung injury.	10.1513/pats.200502-013ac
sepsis	20144219	PMC2875530	Sepsis biomarkers: a review.	10.1186/cc8872
sepsis	22272381	PMC3261472	Sepsis-Induced Adipokine Change with regard to Insulin Resistance.	10.1155/2012/972368
sepsis	23136259	PMC3579020	Current trends in inflammatory and immunomodulatory mediators in sepsis.	10.1189/jlb.0912437
sepsis	26529661	PMC4752878	IMMUNE CELL PHENOTYPE AND FUNCTION IN SEPSIS.	10.1097/shk.0000000000000495
sepsis	30216989	PMC6164482	Sirtuins and Immuno-Metabolism of Sepsis.	10.3390/ijms19092738
sepsis	31507440	PMC6716215	The Role of Autophagy in Sepsis: Protection and Injury to Organs.	10.3389/fphys.2019.01071
sepsis	31555665	PMC6742688	Immunometabolism and Sepsis: A Role for HIF?	10.3389/fmolb.2019.00085

sepsis	31569348	PMC6801868	The Role of Adipokines as Circulating Biomarkers in Critical Illness and Sepsis.	10.3390/ijms20194820
sepsis	32630422	PMC7349763	Circular RNAs in Sepsis: Biogenesis, Function, and Clinical Significance.	10.3390/cells9061544
sepsis	32767095	PMC7410962	Coronavirus (Covid-19) sepsis: revisiting mitochondrial dysfunction in pathogenesis, aging, inflammation, and mortality.	10.1007/s00011-020-01389-z
sepsis	21636351		Diagnostic value of resistin and visfatin, in comparison with C-reactive protein, procalcitonin and interleukin-6 in neonatal sepsis	2011
sepsis	23093105		Association of PBEF gene polymorphisms with acute lung injury, sepsis, and pneumonia in a northeastern Chinese population	2012
sepsis	23746338		Clinical role of serum pre-B cell colony-enhancing factor in ventilated patients with sepsis and acute respiratory distress syndrome	2013
sepsis	28370493		Melatonin administration to wild-type mice and nontreated NLRP3 mutant mice share similar inhibition of the inflammatory response during sepsis	2017
sepsis	28424540	PMC5344436	MC-PPEA as a new and more potent inhibitor of CLP-induced sepsis and pulmonary inflammation than FK866	2017
sepsis	30009736		[FK866 protects polymicrobial sepsis-induced liver injury in mice]	2018
sepsis	30223098		microRNA-300/NAMPT regulates inflammatory responses through activation of AMPK/mTOR signaling pathway in neonatal sepsis	2018

sepsis	30884428		Circulating eNamt and resistin as a proinflammatory duet predicting independently mortality in critically ill patients with sepsis: A prospective observational study	2019
sepsis	31637623		The Role of Adipose Tissue and Adipokines in Sepsis: Inflammatory and Metabolic Considerations, and the Obesity Paradox	2019
sepsis	32179075		FK866 attenuates sepsis-induced acute lung injury through c-jun-N-terminal kinase (JNK)-dependent autophagy	2020
vaccination	30886186	PMC6423257	A Systems Vaccinology Approach Reveals the Mechanisms of Immunogenic Responses to Hantavax Vaccination in Humans.	10.1038/s41598-019-41205-1
vaccination	32298194	PMC7482876	Differential gene expression in peripheral blood mononuclear cells from children immunized with inactivated influenza vaccine.	10.1080/21645515.2020.1711677
virus	27784307	PMC5081962	Mammalian microRNA: an important modulator of host-pathogen interactions in human viral infections.	10.1186/s12929-016-0292-x
virus	PPR337293		Hyperinflammation evokes different antiviral Tmprss2 and Adam17 expression responses in human gut xenograft versus host mouse gut although overall genomic responses are similar	10.1101/2021.05.09.443289
virus	9826724	PMC24397	Cellular gene expression altered by human cytomegalovirus: global monitoring with oligonucleotide arrays.	10.1073/pnas.95.24.14470
virus	15047827	PMC374271	Role of NF-kappa B in cell survival and transcription of latent membrane protein 1-expressing or Epstein-Barr virus latency III-infected cells.	10.1128/jvi.78.8.4108-4119.2004
virus	17472732	PMC6496458	Identification of stathmin 1 expression induced by Epstein-Barr virus in human B lymphocytes.	10.1111/j.1365-2184.2007.00429.x

virus	17898064	PMC2169110	HC-Pro protein of Potato virus Y can interact with three Arabidopsis 20S proteasome subunits in planta.	10.1128/jvi.00913-07
virus	17983666	PMC7112697	Molecular mechanisms of primary and secondary mucosal immunity using avian infectious bronchitis virus as a model system.	10.1016/j.vetimm.2007.09.016
virus	18566437	PMC2614917	Transcriptome analysis reveals human cytomegalovirus reprograms monocyte differentiation toward an M1 macrophage.	10.4049/jimmunol.181.1.698
virus	19155521	PMC2701477	Gene expression patterns induced by HPV-16 L1 virus-like particles in leukocytes from vaccine recipients.	10.4049/jimmunol.182.3.1706
virus	20506278		Nicotinamide phosphoribosyltransferase/sirtuin 1 pathway is involved in human immunodeficiency virus type 1 Tat-mediated long terminal repeat transactivation.	10.1002/jcb.22704
virus	21402552	PMC3068030	Ultrastructural, immunofluorescence, and RNA evidence support the hypothesis of a "new" virus associated with Kawasaki disease.	10.1093/infdis/jiq136
virus	21478870	PMC3409588	A diverse range of gene products are effectors of the type I interferon antiviral response.	10.1038/nature09907
virus	22322095	PMC3418853	The human respiratory syncytial virus nonstructural protein 1 regulates type I and type II interferon pathways.	10.1074/mcp.m111.015909
virus	23544708	PMC3664030	Functional proteome of macrophage carried nanoformulated antiretroviral therapy demonstrates enhanced particle carrying capacity.	10.1021/pr400185w
virus	25375323	PMC4223108	Prediction of interactions between viral and host proteins using supervised machine learning methods.	10.1371/journal.pone.0112034

virus	26169064	PMC4501166	Immune and Epstein-Barr virus gene expression in cerebrospinal fluid and peripheral blood mononuclear cells from patients with relapsing-remitting multiple sclerosis.	10.1186/s12974-015-0353-1
virus	26306576	PMC4549833	Infectious hematopoietic necrosis virus (IHNV) persistence in Sockeye Salmon: influence on brain transcriptome and subsequent response to the viral mimic poly(I:C).	10.1186/s12864-015-1759-y
virus	27175781	PMC4866777	Genome-Wide Association Mapping of Barley Yellow Dwarf Virus Tolerance in Spring Oat (<i>Avena sativa</i> L.).	10.1371/journal.pone.0155376
virus	27387064	PMC4936752	Human Cytomegalovirus Immediate-Early 1 Protein Rewires Upstream STAT3 to Downstream STAT1 Signaling Switching an IL6-Type to an IFN γ -Like Response.	10.1371/journal.ppat.1005748
virus	27707917	PMC5126372	Identification of Interferon-Stimulated Gene Proteins That Inhibit Human Parainfluenza Virus Type 3.	10.1128/jvi.01551-16
virus	28053105	PMC5331802	Epstein-Barr Virus-Encoded Latent Membrane Protein 1 Upregulates Glucose Transporter 1 Transcription via the mTORC1/NF- κ B Signaling Pathways.	10.1128/jvi.02168-16
virus	29036216	PMC5643052	Herpesviruses in etiopathogenesis of aggressive periodontitis: A meta-analysis based on case-control studies.	10.1371/journal.pone.0186373
virus	30134863	PMC6106745	Impact of viral presence in tumor on gene expression in non-small cell lung cancer.	10.1186/s12885-018-4748-0
virus	30886604	PMC6409323	Metabolic Regulators Nampt and Sirt6 Serially Participate in the Macrophage Interferon Antiviral Cascade.	10.3389/fmicb.2019.00355
virus	31461941	PMC6770044	RNA Sequencing of H3N2 Influenza Virus-Infected Human Nasal Epithelial Cells from Multiple Subjects Reveals Molecular Pathways Associated with Tissue Injury and Complications.	10.3390/cells8090986

virus	31574122	PMC6773216	Transcriptome analysis of PK-15 cells in innate immune response to porcine deltacoronavirus infection.	10.1371/journal.pone.0223177
virus	31638922	PMC6805415	Continuous hemodiafiltration as a rescue therapy for patients with cardiopulmonary failure caused by enterovirus-71: a retrospective observational study in a PICU.	10.1186/s12879-019-4519-9
virus	32872585	PMC7564597	Mapping QTL Associated with Resistance to Avian Oncogenic Marek's Disease Virus (MDV) Reveals Major Candidate Genes and Variants.	10.3390/genes11091019
virus	33051211	PMC7834058	Coronavirus infection and PARP expression dysregulate the NAD metabolome: An actionable component of innate immunity.	10.1074/jbc.ra120.015138
virus	33520118	PMC7836900	Meta-analysis of transcriptome datasets: An alternative method to study IL-6 regulation in coronavirus disease 2019.	10.1016/j.csbj.2020.12.010
virus	33923733	PMC8073143	Interferon Gamma Inhibits Equine Herpesvirus 1 Replication in a Cell Line-Dependent Manner.	10.3390/pathogens10040484
virus	33936072	PMC8079812	Single-Cell RNA Sequencing Analysis of the Immunometabolic Rewiring and Immunopathogenesis of Coronavirus Disease 2019.	10.3389/fimmu.2021.651656
virus	21994773	PMC3185791	Systems-biology approaches to discover anti-viral effectors of the human innate immune response.	10.3390/v3071112
virus	22328912	PMC3274382	Interferon-stimulated genes and their antiviral effector functions.	10.1016/j.coviro.2011.10.008
virus	22726607	PMC3461102	Cell-intrinsic innate immune control of West Nile virus infection.	10.1016/j.it.2012.05.008

virus	23035819	PMC3484033	Macrophages and their relevance in Human Immunodeficiency Virus Type I infection.	10.1186/1742-4690-9-82
virus	24178712	PMC3856407	The innate immune playbook for restricting West Nile virus infection.	10.3390/v5112643
virus	24851811	PMC4104408	Systems analysis of West Nile virus infection.	10.1016/j.coviro.2014.04.010
virus	25554924	PMC4456296	New insights into innate immune restriction of West Nile virus infection.	10.1016/j.coviro.2014.12.001
virus	26269748	PMC4527316	Systems biology from virus to humans.	10.1186/s40543-015-0047-4
virus	27690086	PMC5086605	Multi-Omics Studies towards Novel Modulators of Influenza A Virus-Host Interaction.	10.3390/v8100269
virus	28694799	PMC5483433	A Tiny RNA that Packs a Big Punch: The Critical Role of a Viral miR-155 Ortholog in Lymphomagenesis in Marek's Disease.	10.3389/fmicb.2017.01169
virus	29175515	PMC5835171	Innate immune control of alphavirus infection.	10.1016/j.coviro.2017.11.006
virus	30515256	PMC6234444	Therapeutic Modulation of Virus-Induced Oxidative Stress via the Nrf2-Dependent Antioxidative Pathway.	10.1155/2018/6208067
virus	32367055	PMC7696730	The continued threat of emerging flaviviruses.	10.1038/s41564-020-0714-0

virus	32485916	PMC7350012	West Nile Virus Restriction in Mosquito and Human Cells: A Virus under Confinement.	10.3390/vaccines8020256
virus	33669990	PMC7927137	The Pleiotropic Function of Human Sirtuins as Modulators of Metabolic Pathways and Viral Infections.	10.3390/cells10020460
virus	33810619	PMC8037155	The Inflammatory Profile of Obesity and the Role on Pulmonary Bacterial and Viral Infections.	10.3390/ijms22073456
virus	33946935	PMC8125486	Type I Interferon-Mediated Regulation of Antiviral Capabilities of Neutrophils.	10.3390/ijms22094726
virus	26561994		Porphyromonas gingivalis and Epstein-Barr Virus Are Associated With Increased Levels of Visfatin in Gingival Crevicular Fluid	2016
virus adeno	19583510	PMC2878183	Gene transcript abundance profiles distinguish Kawasaki disease from adenovirus infection.	10.1086/603538
virus adeno	20942964	PMC2967494	Chemokine gene expression in lung CD8 T cells correlates with protective immunity in mice immunized intra-nasally with Adenovirus-85A.	10.1186/1755-8794-3-46
virus adeno	23300693	PMC3530480	Canine recombinant adenovirus vector induces an immunogenicity-related gene expression profile in skin-migrated CD11b ⁺ -type DCs.	10.1371/journal.pone.0052513
virus adeno	24739504	PMC3996488	Adenovirus36 infection expresses cellular APMI and Visfatin genes in overweight Uygur individuals.	10.1186/1746-1596-9-83
virus adeno	30125309	PMC6117092	Humoral immune response to adenovirus induce tolerogenic bystander dendritic cells that promote generation of regulatory T cells.	10.1371/journal.ppat.1007127

virus adeno	31264023	PMC6746880	Transcriptome analysis of fowl adenovirus serotype 4 infection in chickens.	10.1007/s11262-019-01676-w
virus adeno	32243098	PMC7284033	Impact of genetic variants of ABCB1, APOB, CAV1, and NAMPT on susceptibility to pancreatic ductal adenocarcinoma in Chinese patients.	10.1002/mgg3.1226
virus adeno	33194682	PMC7640741	Isobaric Tags for Relative and Absolute Quantitation in Proteomic Analysis of Potential Biomarkers in Invasive Cancer, Ductal Carcinoma <i>In Situ</i> , and Mammary Fibroadenoma.	10.3389/fonc.2020.574552
virus adeno	33440677	PMC7827863	Nicotinamide Attenuates the Progression of Renal Failure in a Mouse Model of Adenine-Induced Chronic Kidney Disease.	10.3390/toxins13010050
virus adeno	33753885	PMC7983349	Adenovirus 36 prevalence and association with human obesity: a systematic review.	10.1038/s41366-021-00805-6
virus adeno	33987224	PMC8105860	Adenosine A3 receptor activated in H ₂ O ₂ oxidative stress of primary open-angle glaucoma.	10.21037/atm-20-6154
virus adeno	26184280	PMC4517116	Adenovirus 36 and Obesity: An Overview.	10.3390/v7072787
virus chikunguny	23593481	PMC3622599	Differential proteome analysis of chikungunya virus infection on host cells.	10.1371/journal.pone.0061444
virus chikunguny	25053563	PMC4202266	Critical role for bone marrow stromal antigen 2 in acute Chikungunya virus infection.	10.1099/vir.0.068643-0
virus covid	PPR152364		Coronavirus infection and PARP expression dysregulate the NAD Metabolome: an actionable component of innate immunity	10.1101/2020.04.17.047480

virus covid	PPR181605		Perversely expressed long noncoding RNAs can alter host response and viral proliferation in SARS-CoV-2 infection	10.1101/2020.06.29.177204
virus covid	PPR197208		Host metabolic reprogramming in response to SARS-Cov-2 infection	10.1101/2020.08.02.232645
virus covid	PPR202737		Multi-organ Proteomic Landscape of COVID-19 Autopsies	10.1101/2020.08.16.20176065
virus covid	PPR209656		Pathological and molecular examination findings in postmortem testis biopsies reveal spermatogenesis damages in COVID-19 patients	10.21203/rs.3.rs-56526/v1
virus covid	32661912	PMC7357265	Tocilizumab, Adipokines and Severe Complications of COVID-19.	10.1007/s40261-020-00950-2
virus covid	33031060	PMC7732317	Efficacy and safety of tocilizumab in COVID-19 patients.	10.18632/aging.103988
virus covid	33138195	PMC7693119	Single-Cell Transcriptome Analysis Highlights a Role for Neutrophils and Inflammatory Macrophages in the Pathogenesis of Severe COVID-19.	10.3390/cells9112374
virus covid	33503446	PMC7794601	Multi-organ proteomic landscape of COVID-19 autopsies.	10.1016/j.cell.2021.01.004
virus covid	33544857	PMC7928553	Relative Frequency and Risk Factors of COVID-19 Related Headache in a Sample of Egyptian Population: A Hospital Based Study.	10.1093/pm/pnab020
virus covid	33705239	PMC8095162	Epidemiology, pathogenesis, clinical presentations, diagnosis and treatment of COVID-19: a review of current evidence.	10.1080/17512433.2021.1902303

virus covid	34007361	PMC8110221	Impact of Body Mass Index on COVID-19-Related In-Hospital Outcomes and Mortality.	10.14740/jocmr4239
virus covid	32721181	PMC7839651	Immunometabolic Status of COVID-19 Cancer Patients.	10.1152/physrev.00018.2020
virus covid	33014275	PMC7519203	COVID-19: Proposing a Ketone-Based Metabolic Therapy as a Treatment to Blunt the Cytokine Storm.	10.1155/2020/6401341
virus covid	33161277	PMC7584885	COVID-19 update: The race to therapeutic development.	10.1016/j.drug.2020.100733
virus covid	33426872	PMC7805606	Role of Multiomics Data to Understand Host-Pathogen Interactions in COVID-19 Pathogenesis.	10.1021/acs.jproteome.0c00771
virus covid	33668493	PMC7917599	Obesity, Nutrients and the Immune System in the Era of COVID-19.	10.3390/nu13020610
virus covid	33765610	PMC7908848	An overview of some potential immunotherapeutic options against COVID-19.	10.1016/j.intimp.2021.107516
virus covid	33776917	PMC7992974	The Centrality of Obesity in the Course of Severe COVID-19.	10.3389/fendo.2021.620566
virus covid	33994548	PMC7977150	Obesity - A Risk Factor for Psoriasis and COVID-19.	10.1016/j.adengl.2021.03.013
virus covid	34064568	PMC8151233	Role of Resveratrol in Prevention and Control of Cardiovascular Disorders and Cardiovascular Complications Related to COVID-19 Disease: Mode of Action and Approaches Explored to Increase Its Bioavailability.	10.3390/molecules26102834

virus covid	21664630		Involvement of visfatin in palmitate-induced upregulation of inflammatory cytokines in hepatocytes	2011
virus dengue	28659489	PMC5571258	Transcriptional Profiling Confirms the Therapeutic Effects of Mast Cell Stabilization in a Dengue Disease Model.	10.1128/jvi.00617-17
virus dengue	30744623	PMC6371484	Effect of freeze-dried <i>Carica papaya</i> leaf juice on inflammatory cytokines production during dengue virus infection in AG129 mice.	10.1186/s12906-019-2438-3
virus dengue	32934118	PMC7498686	High-Throughput RNA Sequencing Analysis of Plasma Samples Reveals Circulating microRNA Signatures with Biomarker Potential in Dengue Disease Progression.	10.1128/msystems.00724-20
virus dengue	33919457	PMC8170887	Immunomodulatory Activities of <i>Carica papaya</i> L. Leaf Juice in a Non-Lethal, Symptomatic Dengue Mouse Model.	10.3390/pathogens10050501
virus EBV	21849482	PMC3217354	Endoplasmic reticulum stress causes EBV lytic replication.	10.1182/blood-2011-04-347112
virus flue	22709384	PMC3412919	Proteome alterations in primary human alveolar macrophages in response to influenza A virus infection.	10.1021/pr3001332
virus flue	26282854	PMC4539693	Transcriptional analysis of immune-related gene expression in p53-deficient mice with increased susceptibility to influenza A virus infection.	10.1186/s12920-015-0127-8
virus flue	29214055	PMC5712526	Integrative gene network analysis identifies key signatures, intrinsic networks and host factors for influenza virus A infections.	10.1038/s41540-017-0036-x
virus HC	20108479	PMC3018958	Hepatitis virus C infection, adipokines and hepatic steatofibrosis.	

virus Hep B	12502840	PMC140855	Searching for interferon-induced genes that inhibit hepatitis B virus replication in transgenic mouse hepatocytes.	10.1128/jvi.77.2.1227-1236.2003
virus Hep B	16437679	PMC4727213	Tumor necrosis factor-alpha-induced protein 1 and immunity to hepatitis B virus.	10.3748/wjg.v11.i48.7564
virus Hep B	24895413		Plasma adipokines and risk of hepatocellular carcinoma in chronic hepatitis B virus-infected carriers: a prospective study in taiwan.	10.1158/1055-9965.epi-14-0161
virus Hep B	25788201		Adipocytokines and liver fibrosis stages in patients with chronic hepatitis B virus infection.	10.1007/s12072-015-9616-2
virus Hep B	27770715		Circulating visfatin level is associated with hepatocellular carcinoma in chronic hepatitis B or C virus infection.	10.1016/j.cyto.2016.10.007
virus Hep B	28884137	PMC5581872	Hepatitis B Virus Activates Signal Transducer and Activator of Transcription 3 Supporting Hepatocyte Survival and Virus Replication.	10.1016/j.jcmgh.2017.07.003
virus Hep B	32347316	PMC7261280	Hepatitis B virus X protein promotes liver cell pyroptosis under oxidative stress through NLRP3 inflammasome activation.	10.1007/s00011-020-01351-z
virus Hep B	32775402	PMC7407030	Integrated Bioinformatic Analysis Identifies Networks and Promising Biomarkers for Hepatitis B Virus-Related Hepatocellular Carcinoma.	10.1155/2020/2061024
virus Hep B	33777213	PMC7988713	NAMPT promotes hepatitis B virus replication and liver cancer cell proliferation through the regulation of aerobic glycolysis.	10.3892/ol.2021.12651
virus Hep B	33020450	PMC7601829	A New Endemic of Concomitant Nonalcoholic Fatty Liver Disease and Chronic Hepatitis B.	10.3390/microorganisms8101526

virus Hep B	25854905		The relationship between visfatin, liver inflammation, and acute phase reactants in chronic viral hepatitis B	2016
virus Hep B C	24968270	PMC4139783	Impact of serum chemerin levels on liver functional reserves and platelet counts in patients with hepatocellular carcinoma.	10.3390/ijms150711294
virus Hep B C	26226632	PMC4520685	The Cytokine Profile in Patients with Hepatocellular Carcinoma and Type 2 Diabetes.	10.1371/journal.pone.0134594
virus Hep B C	27458175	PMC5221868	Integrative Analysis of Microarray Data to Reveal Regulation Patterns in the Pathogenesis of Hepatocellular Carcinoma.	10.5009/gnl16063
virus Hep B C	27792999	PMC5363636	Genetic variant in visfatin gene promoter contributes to reduced risk of hepatocellular carcinoma in a Chinese population.	10.18632/oncotarget.12864
virus Hep B C	28178643	PMC5410315	Elevated serum visfatin levels are associated with poor prognosis of hepatocellular carcinoma.	10.18632/oncotarget.15080
virus Hep B C	30971588	PMC6526731	Cytochrome P450 family members are associated with fast-growing hepatocellular carcinoma and patient survival: An integrated analysis of gene expression profiles.	10.4103/sjg.sjg_290_18
virus Hep B C	31739577	PMC6888623	HBx and c-MYC Cooperate to Induce URI1 Expression in HBV-Related Hepatocellular Carcinoma.	10.3390/ijms20225714
virus Hep B C	31749918	PMC6820844	Resolved HBV behavior during the treatment of chronic HCV infection with direct-acting antivirals.	
virus Hep B C	31847842	PMC6916030	Long non-coding RNA BZRAP1-AS1 silencing suppresses tumor angiogenesis in hepatocellular carcinoma by mediating THBS1 methylation.	10.1186/s12967-019-02145-6

virus Hep B C	31935230	PMC6959555	Serum visfatin and vaspin levels in hepatocellular carcinoma (HCC).	10.1371/journal.pone.0227459
virus Hep B C	31966887	PMC6965914	Clinical value and potential targets of miR-224-5p in hepatocellular carcinoma validated by a TCGA- and GEO-based study.	
virus Hep B C	32212784	PMC7437316	The Possible Role of Adipokines in HCV Associated Hepatocellular Carcinoma.	10.31557/apjcp.2020.21.3.599
virus Hep B C	33425905	PMC7785857	Development and Validation of a Combined Ferroptosis and Immune Prognostic Classifier for Hepatocellular Carcinoma.	10.3389/fcell.2020.596679
virus Hep B C	21960997	PMC3179873	The potential interplay of adipokines with toll-like receptors in the development of hepatocellular carcinoma.	10.1155/2011/215986
virus Hep B C	25789501	PMC4394523	Chemopreventive potential of green tea catechins in hepatocellular carcinoma.	10.3390/ijms16036124
virus Hep C	17668868	PMC2386986	Lack of response to exogenous interferon-alpha in the liver of chimpanzees chronically infected with hepatitis C virus.	10.1002/hep.21776
virus Hep C	21332548		Serum visfatin is correlated with disease severity and metabolic syndrome in chronic hepatitis C infection.	10.1111/j.1440-1746.2010.06438.x
virus Hep C	21886832	PMC3160317	Hepatitis C virus infection suppresses the interferon response in the liver of the human hepatocyte chimeric mouse.	10.1371/journal.pone.0023856
virus Hep C	22491449	PMC3372182	CD44 participates in IP-10 induction in cells in which hepatitis C virus RNA is replicating, through an interaction with Toll-like receptor 2 and hyaluronan.	10.1128/jvi.06872-11

virus Hep C	22745767	PMC3379982	Cytokine profile of patients with type 2 diabetes and/or chronic hepatitis C infection.	10.1371/journal.pone.0039486
virus Hep C	23470357		Insulin resistance, serum visfatin, and adiponectin levels are associated with metabolic disorders in chronic hepatitis C virus-infected patients.	10.1097/meg.0b013e32835fa988
virus Hep C	23950995	PMC3741284	Hepatitis C virus induced miR200c down modulates FAP-1, a negative regulator of Src signaling and promotes hepatic fibrosis.	10.1371/journal.pone.0070744
virus Hep C	24856902	PMC4118700	Interleukin-23 promotes interferon- γ responsiveness in hepatitis C virus/HIV-coinfected patients.	10.1089/aid.2014.0003
virus Hep C	25132761	PMC4130852	Insulin resistance, adipokine profile and hepatic expression of SOCS-3 gene in chronic hepatitis C.	10.3748/wjg.v20.i30.10449
virus Hep C	25737638	PMC4344182	Effect of vitamin D therapy on interleukin-6, visfatin, and hyaluronic acid levels in chronic hepatitis C Egyptian patients.	10.2147/tcrm.s66763
virus Hep C	31170218	PMC6553748	Treatment with direct-acting antivirals improves peripheral insulin sensitivity in non-diabetic, lean chronic hepatitis C patients.	10.1371/journal.pone.0217751
virus Hep C	31501791	PMC6728865	Visfatin serum concentration and hepatic mRNA expression in chronic hepatitis C.	10.5114/ceh.2019.85074
virus Hep C	33083279	PMC7548900	Dietary Restriction Suppresses Steatosis-Associated Hepatic Tumorigenesis in Hepatitis C Virus Core Gene Transgenic Mice.	10.1159/000508308
virus Hep C	33446046	PMC7834047	Accelerated cardiovascular risk after viral clearance in hepatitis C patients with the NAMPT-rs61330082 TT genotype: An 8-year prospective cohort study.	10.1080/21505594.2020.1870080

virus Hep C	33799903	PMC7998980	Genetic Association of Hepatitis C-Related Mixed Cryoglobulinemia: A 10-Year Prospective Study of Asians Treated with Antivirals.	10.3390/v13030464
virus Hep C	33889834	PMC8050772	Non-alcoholic fatty liver disease is a risk factor for occurrence of hepatocellular carcinoma after sustained virologic response in chronic hepatitis C patients: A prospective four-years follow-up study.	10.1016/j.metop.2021.100090
virus Hep C	22294824	PMC3261538	Hepatitis C virus induced insulin resistance impairs response to anti viral therapy.	10.3748/wjg.v18.i3.212
virus Hep C	25071319	PMC4110556	Cytokinome profile evaluation in patients with hepatitis C virus infection.	10.3748/wjg.v20.i28.9261
virus Hep C	26819514	PMC4721980	Metabolic alterations and hepatitis C: From bench to bedside.	10.3748/wjg.v22.i4.1461
virus Hep C	28149650	PMC5272937	Current level of evidence on causal association between hepatitis C virus and type 2 diabetes: A review.	10.1016/j.jare.2016.11.003
virus Hep C	28856251	PMC5421163	Insulin resistance and its consequences in chronic hepatitis C.	10.5114/ceh.2015.51375
virus Hep C	33833481	PMC8015302	Metabolic complications of hepatitis C virus infection.	10.3748/wjg.v27.i13.1267
virus Hep C	19840367		Visfatin serum levels in chronic hepatitis C patients	2010
virus Hep C	20847561		Association of serum adipocytokines with hepatic steatosis and fibrosis in patients with chronic hepatitis C	2011

virus Hep C	22246907		Association between hepatic angiogenesis and serum adipokine profile in non-obese chronic hepatitis C patients	2011
virus Hep C	23360627		Preliminary study of the level of visfatin and the relationship with insulin resistance in Chinese patients with chronic hepatitis C	2013
virus hepacivirus	28085952	PMC5234844	Metabolic Dysregulation in Hepacivirus Infection of Common Marmosets (<i>Callithrix jacchus</i>).	10.1371/journal.pone.0170240
virus hepatitis	22563189	PMC3342600	Antifibrotic effect of aloe vera in viral infection-induced hepatic periportal fibrosis.	10.3748/wjg.v18.i17.2026
virus hepatitis	25736100	PMC4452154	Suppression of silent information regulator 1 activity in noncancerous tissues of hepatocellular carcinoma: Possible association with non-B non-C hepatitis pathogenesis.	10.1111/cas.12653
virus hepatitis	33603714	PMC7884850	Integrated Analysis of Key Genes and Pathways Involved in Nonalcoholic Steatohepatitis Improvement After Roux-en-Y Gastric Bypass Surgery.	10.3389/fendo.2020.611213
virus hepatitis	21738955	PMC3321801	Potential role of leptin, adiponectin and three novel adipokines--visfatin, chemerin and vaspin--in chronic hepatitis.	10.2119/molmed.2010.00105
virus hepatitis	22934006	PMC3429026	Liver fibrogenesis in non-alcoholic steatohepatitis.	10.3389/fphys.2012.00248
virus hepatitis	24084730	PMC3821591	Immunological mechanisms in the pathophysiology of non-alcoholic steatohepatitis.	10.3390/ijms141019867
virus hepatitis	24978432	PMC4190539	Fibrogenesis and Carcinogenesis in Nonalcoholic Steatohepatitis (NASH): Involvement of Matrix Metalloproteinases (MMPs) and Tissue Inhibitors of Metalloproteinase (TIMPs).	10.3390/cancers6031220

virus hepatitis	28165558		The relationship between serum visfatin and the progress of chronic viral hepatitis B cirrhosis	2017
virus Herpes	15380353	PMC3147029	Kaposi's sarcoma-associated herpesvirus infection of blood endothelial cells induces lymphatic differentiation.	10.1016/j.virol.2004.07.008
virus Herpes	22623791	PMC3421676	Herpes simplex virus 1 infection activates poly(ADP-ribose) polymerase and triggers the degradation of poly(ADP-ribose) glycohydrolase.	10.1128/jvi.00495-12
virus HIV	17240414	PMC1987396	Differential gene expression in CD8(+) cells from HIV-1-infected subjects showing suppression of HIV replication.	10.1016/j.virol.2006.12.007
virus HIV	20546557	PMC2900222	Transcriptome analysis of monocyte-HIV interactions.	10.1186/1742-4690-7-53
virus HIV	21367736	PMC3049337	Cumulative exposure to cell-free HIV in breast milk, rather than feeding pattern per se, identifies postnatally infected infants.	10.1093/cid/ciq203
virus HIV	21904615	PMC3164183	A common path to innate immunity to HIV-1 induced by Toll-like receptor ligands in primary human macrophages.	10.1371/journal.pone.0024193
virus HIV	22493731	PMC3320877	Monocytes contribute to differential immune pressure on R5 versus X4 HIV through the adipocytokine visfatin/NAMPT.	10.1371/journal.pone.0035074
virus HIV	23941777		Assessment of serum IGF-1 and adipokines related to metabolic dysfunction in HIV-infected adults.	10.1016/j.cyto.2013.07.018
virus HIV	24370116	PMC3877975	Transcriptome analysis of primary monocytes from HIV-positive patients with differential responses to antiretroviral therapy.	10.1186/1743-422x-10-361

virus HIV	24717448	PMC3981673	Proteomic analysis of saliva in HIV-positive heroin addicts reveals proteins correlated with cognition.	10.1371/journal.pone.0089366
virus HIV	25882366		HIV/antiretroviral therapy-related lipodystrophy syndrome (HALS) is associated with higher RBP4 and lower omentin in plasma.	10.1016/j.cmi.2015.04.002
virus HIV	26658801	PMC4684375	HIV-1/HAART-Related Lipodystrophy Syndrome (HALS) Is Associated with Decreased Circulating sTWEAK Levels.	10.1371/journal.pone.0144789
virus HIV	26821323	PMC4731573	Analysis of Host Gene Expression Profile in HIV-1 and HIV-2 Infected T-Cells.	10.1371/journal.pone.0147421
virus HIV	27759429	PMC5116685	Gene Expression Profiles of HIV/AIDS Patients with Qi-Yin Deficiency and Dampness-Heat Retention.	10.1089/acm.2015.0350
virus HIV	29057080	PMC5632543	The role of miR-29a in HIV-1 replication and latency.	
virus HIV	29434676	PMC5793397	Plasma levels of lipopolysaccharide correlate with insulin resistance in HIV patients.	10.1186/s13098-018-0308-7
virus HIV	29721020	PMC5867598	Detection of HIV-1 and Human Proteins in Urinary Extracellular Vesicles from HIV+ Patients.	10.1155/2018/7863412
virus HIV	30675354	PMC6341407	Circulating angiotensin-like protein 2 levels are associated with decreased renal function in HIV ⁺ subjects on cART: A potential marker of kidney disease.	10.3892/br.2019.1183
virus HIV	30745362	PMC6462528	Histone deacetylase inhibitors induce complex host responses that contribute to differential potencies of these compounds in HIV reactivation.	10.1074/jbc.ra118.005185

virus HIV	30787294	PMC6382801	Integrated systems approach defines the antiviral pathways conferring protection by the RV144 HIV vaccine.	10.1038/s41467-019-08854-2
virus HIV	31544040	PMC6739581	Fundus manifestations and HIV viral loads of AIDS patients before and after HAART.	10.18240/ijo.2019.09.11
virus HIV	31756034	PMC7069804	MicroRNAs and exosomes: key players in HIV pathogenesis.	10.1111/hiv.12822
virus HIV	31805958	PMC6896665	Proteomic analysis of cerebrospinal fluid extracellular vesicles reveals synaptic injury, inflammation, and stress response markers in HIV patients with cognitive impairment.	10.1186/s12974-019-1617-y
virus HIV	33072075	PMC7531389	Transcriptome Profiling of Human Monocyte-Derived Macrophages Upon CCL2 Neutralization Reveals an Association Between Activation of Innate Immune Pathways and Restriction of HIV-1 Gene Expression.	10.3389/fimmu.2020.02129
virus HIV	PMC2767076	PMC2767076	Do monocytes use the novel adipocytokine Visfatin/NAMPT/PBEF1 to flip the HIV coreceptor switch?	10.1186/1742-4690-6-s2-p88
virus HIV	20547180		The HIV-1/HAART associated metabolic syndrome - novel adipokines, molecular associations and therapeutic implications.	10.1016/j.jinf.2010.06.002
virus HIV	21663839	PMC3115529	Molecular mechanisms for insulin resistance in treated HIV-infection.	10.1016/j.beem.2010.10.017
virus HIV	22184032	PMC3968537	Gene array studies in HIV-1 infection.	10.1007/s11904-011-0100-x
virus HIV	22203832	PMC3235775	The pathophysiology of HIV-/HAART-related metabolic syndrome leading to cardiovascular disorders: the emerging role of adipokines.	10.1155/2012/103063

virus HIV	24865485	PMC4100089	Molecular mechanisms of liver fibrosis in HIV/HCV coinfection.	10.3390/ijms15069184
virus HIV	25053365	PMC4222574	Biomedical consequences of alcohol use disorders in the HIV-infected host.	10.2174/1570162x12666140721121849
virus HIV	25625613	PMC4345301	Promoter Targeting RNAs: Unexpected Contributors to the Control of HIV-1 Transcription.	10.1038/mtna.2014.67
virus HIV	26483757	PMC4586453	Interaction of drugs of abuse and microRNA with HIV: a brief review.	10.3389/fmicb.2015.00967
virus HIV	28915327	PMC5614502	Adipose Tissue in HIV Infection.	10.1002/cphy.c160028
virus HIV	30363715	PMC6181007	Examining Relationships between Metabolism and Persistent Inflammation in HIV Patients on Antiretroviral Therapy.	10.1155/2018/6238978
virus HIV	30537007	PMC6545924	HIV Disease Progression: Overexpression of the Ectoenzyme CD38 as a Contributory Factor?	10.1002/bies.201800128
virus HIV	30559739	PMC6286992	Adipose Tissue T Cells in HIV/SIV Infection.	10.3389/fimmu.2018.02730
virus HIV	32404327	PMC7233484	Gene Expression: the Key to Understanding HIV-1 Infection?	10.1128/membr.00080-19
virus HIV	16919047		Impact of antiretroviral therapy on visfatin and retinol-binding protein 4 in HIV-infected subjects	2006

virus HIV	17235334		Effect of rosiglitazone on visfatin and retinol-binding protein-4 plasma concentrations in HIV-positive patients	2007
virus HIV	24414799		Tanshinone II A inhibits tat-induced HIV-1 transactivation through redox-regulated AMPK/Nampt pathway	2014
virus HIV	26312240	PMC4547479	FUNCTIONAL LIMITATIONS AND ADIPOKINES IN HIV-INFECTED OLDER ADULTS	2015
virus hiv	29608912		Glomerular mitochondrial changes in HIV associated renal injury	2018
virus pox	17537851	PMC1951336	Distinct gene expression profiling after infection of immature human monocyte-derived dendritic cells by the attenuated poxvirus vectors MVA and NYVAC.	10.1128/jvi.00444-07
virus pox	26153454	PMC4495948	Six host-range restricted poxviruses from three genera induce distinct gene expression profiles in an in vivo mouse model.	10.1186/s12864-015-1659-1
virus rhino	27643599	PMC5028059	Airway Secretory microRNAome Changes during Rhinovirus Infection in Early Childhood.	10.1371/journal.pone.0162244
virus RSV	24643046	PMC3958415	RNA-sequence analysis of primary alveolar macrophages after in vitro infection with porcine reproductive and respiratory syndrome virus strains of differing virulence.	10.1371/journal.pone.0091918
virus RSV	28258195	PMC5380581	Systematic Analysis of Cell-Type Differences in the Epithelial Secretome Reveals Insights into the Pathogenesis of Respiratory Syncytial Virus-Induced Lower Respiratory Tract Infections.	10.4049/jimmunol.1601291
virus salmonid	25765343	PMC4337061	De novo assembly and transcriptome analysis of Atlantic salmon macrophage/dendritic-like TO cells following type I IFN treatment and Salmonid alphavirus subtype-3 infection.	10.1186/s12864-015-1302-1

virus SARS	PPR232483		Treatment of SARS-CoV-2 induced pneumonia with NAD+ in a mouse model	10.21203/rs.3.rs-96999/v1
virus SARS	PPR270264		SARS-CoV-2 mortality in blacks and temperature-sensitivity to an angiotensin-2 receptor blocker	
virus SARS	PPR305680		Arrayed multicycle drug screens identify broadly acting chemical inhibitors for repurposing against SARS-CoV-2	10.1101/2021.03.30.437771
virus SARS	15837019	PMC7135563	Comparative study of patients with and without SARS who fulfilled the WHO SARS case definition.	10.1016/j.jemermed.2004.11.022
virus SARS	23029269	PMC3454321	Lack of innate interferon responses during SARS coronavirus infection in a vaccination and reinfection ferret model.	10.1371/journal.pone.0045842
virus SARS	32915876	PMC7485840	A new advanced in silico drug discovery method for novel coronavirus (SARS-CoV-2) with tensor decomposition-based unsupervised feature extraction.	10.1371/journal.pone.0238907
virus SARS	33224264	PMC7664154	Perversely expressed long noncoding RNAs can alter host response and viral proliferation in SARS-CoV-2 infection.	10.2217/fvl-2020-0188
virus SARS	33294307	PMC7716628	Are losartan and imatinib effective against SARS-CoV2 pathogenesis? A pathophysiologic-based in silico study.	10.1007/s40203-020-00058-7
virus SARS	33318629	PMC7734388	Pathological and molecular examinations of postmortem testis biopsies reveal SARS-CoV-2 infection in the testis and spermatogenesis damage in COVID-19 patients.	10.1038/s41423-020-00604-5
virus SARS	33833547	PMC8021260	Interferon- γ Exacerbates the Inflammatory Response to Microbial Ligands: Implications for SARS-CoV-2 Pathogenesis.	10.2147/jir.s301476

virus SARS	32626922	PMC7307812	A dissection of SARS-CoV2 with clinical implications (Review).	10.3892/ijmm.2020.4636
virus SARS	32920511	PMC7451059	Can a metabolism-targeted therapeutic intervention successfully subjugate SARS-COV-2? A scientific rational.	10.1016/j.biopha.2020.110694
virus SARS	33072093	PMC7531039	Strategies for Targeting SARS CoV-2: Small Molecule Inhibitors-The Current Status.	10.3389/fimmu.2020.552925
virus virus covid	PPR134203		Orthogonal genome-wide screenings in bat cells identify MTHFD1 as a target of broad antiviral therapy	10.1101/2020.03.29.014209
virus virus covid	PPR285775		Identification of COVID-19 prognostic markers and therapeutic targets through meta-analysis and validation of Omics data from nasopharyngeal samples	10.1101/2021.02.18.431825
virus virus covid	PPR289360		SARS-CoV-2 Viremia is Associated with Distinct Proteomic Pathways and Predicts COVID-19 Outcomes	10.1101/2021.02.24.21252357
virus virus covid	PPR295730		Cannabidiol Inhibits SARS-CoV-2 Replication and Promotes the Host Innate Immune Response	10.1101/2021.03.10.432967
virus virus covid	PPR304180		LncRNAs NEAT1 and MALAT1 Differentiate Inflammation in Severe COVID-19 Patients	10.1101/2021.03.26.21254445
virus west Nile	17804507	PMC2168811	Differential expression of interferon (IFN) regulatory factors and IFN-stimulated genes at early times after West Nile virus infection of mouse embryo fibroblasts.	10.1128/jvi.01359-07
virus west Nile	23740986	PMC3719802	A role for Ifit2 in restricting West Nile virus infection in the brain.	10.1128/jvi.01097-13

virus zika

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10.1093/infdis/jix327