Contents:
The expression of “HIV-antibodies” in mucosa and its triggers
Mitochondria, ROS, Autophagy, NO, Inflammasomes and Pyroptosis
Antibiotics, Antibiotic Resistance, Adverse Effects, Mitochondrial Toxicity, Gut Flora, Bacterial Translocation
T-cells, Treg InkT and MAIT
Vitamin D Synthase and Vitamin D Receptors
Heavy Metals, Toxins, Pesticides and Malnutrition
The AIDS defining Infections
Tuberculosis, Antibiotic Resistance, Co-Infections
PreP and PEP
Adverse Effects of Antiretroviral Therapy (ART)
Woman Health, Pregnancy, Antibiotics and “HIV-Transmission”
Therapy Means
Therapy of Adverse Effects of ART
The expression of “HIV-antibodies” and its triggers

**Innate Antibacterial Activity in Female Genital Tract Secretions Is Associated with Increased Risk of HIV Acquisition**

http://online.liebertpub.com/doi/full/10.1089/aid.2015.0011

**Mucosal co-infections and HIV-1 transmission and pathogenesis**

Editorial (Mucosal Co-Infections and HIV-1 Transmission and Pathogenesis)

**Microbiota of male genital tract: Impact on the health of man and his partner**

Microbiota of male genital tract: impact on the health of man and his partner

**Cervical Inflammation and Immunity Associated With Hormonal Contraception, Pregnancy, and HIV-1 Seroconversion**

Cervical inflammation and immunity associated with hormonal contraception, pregnancy, and HIV-1 seroconversion

**Cervicovaginal Levels of Proinflammatory Cytokines Are Increased During Chlamydial Infection in Bacterial Vaginosis But Not in Lactobacilli-Dominated Flora The vaginal microbiota and susceptibility to HIV**

Cervicovaginal levels of proinflammatory cytokines are increased during chlamydial infection in bacterial vaginosis but not in lactobacilli-dominated flora
Impact of Oral Contraceptives and Smoking on the Susceptibility of Reproductive Tract Infections (RTIS) in Immunosuppressed Women: A Hospital Based Study

Rapid dissemination of SIV follows multisite entry after rectal inoculation

Hormonal contraception and HIV disease progression

Understanding the bacterial flora of the female genital tract

Cervicovaginal Secretory Antibodies to Human Immunodeficiency Virus Type 1 (HIV-1) that Block Viral Transcytosis through Tight Epithelial Barriers in Highly Exposed HIV-1-Seronegative African Women

Delayed-type hypersensitivity skin testing predicts progression to AIDS in HIV-infected patients

Autophagy and female genital tract infections: new insights and research directions
The vaginal microbiota and susceptibility to HIV

Immune response and immunopathology during toxoplasmosis

Chlamydia trachomatis Infection of Endocervical Epithelial Cells Enhances Early HIV Transmission Events

The Oral Mucosa Immune Environment and Oral Transmission of HIV/SIV
Mycoplasma genitalium Infection Activates Cellular Host Defense and Inflammation Pathways in a 3-Dimensional Human Endocervical Epithelial Cell Model (HIV)

Presence of CD8+ T Cells in the Ectocervical Mucosa Correlates with Genital Viral Shedding in HIV-Infected Women despite a Low Prevalence of HIV RNA-Expressing Cells in the Tissue

Vaginal microbiota and its role in HIV transmission and infection

Incidence, Clearance, and Disease Progression of Genital Human Papillomavirus Infection in Heterosexual Men

Association between Mycoplasma genitalium infection and HIV acquisition among female sex workers in Uganda: evidence from a nested case-control study

Vaginal pH and Microbicidal Lactic Acid When Lactobacilli Dominate the Microbiota
Risk for HIV following a diagnosis of syphilis, gonorrhoea or chlamydia:

Risk for HIV following a diagnosis of syphilis, gonorrhoea or chlamydia: 328,456 women in Florida, 2000–2011

Drug Resistance-Associated Mutations in Mycoplasma genitalium in Female Sex Workers, Japan
[HTML] Drug Resistance-Associated Mutations in Mycoplasma genitalium in Female Sex Workers, Japan

Distinct Cytokine Patterns in Semen Influence Local HIV Shedding and HIV Target Cell Activation
[HTML] Distinct cytokine patterns in semen influence local HIV shedding and HIV target cell activation

Alcohol use, Mycoplasma genitalium and other STIs associated with HIV incidence among women at high risk in Kampala, Uganda
[HTML] Alcohol use, Mycoplasma genitalium and other STIs associated with HIV incidence among women at high risk in Kampala, Uganda

The Sexual Networks of Racially Diverse Young Men Who Have Sex with Men
The sexual networks of racially diverse young men who have sex with men

Condylomata, cytological abnormalities and human papillomavirus infection in the anal canal in HIV-infected men
[HTML] Condylomata, cytological abnormalities and human papillomavirus infection in the anal canal in HIV-infected men

Prevalence of Human Papillomavirus in Adolescent Girls before Reported Sexual Debut
[HTML] Prevalence of human papillomavirus in adolescent girls before reported sexual debut
Short Report: Simultaneous Detection of Seven Sexually Transmitted Agents in Human Immunodeficiency Virus Infected Brazilian Women by Multiplex Polymerase Chain Reaction

Simultaneous detection of seven sexually transmitted agents in human immunodeficiency virus–infected Brazilian women by multiplex polymerase chain reaction

Impact of Oral Contraceptives and Smoking on the Susceptibility of Reproductive Tract Infections (RTIS) in Immunosuppressed Women: A Hospital Based Study

Impact of Oral Contraceptives and Smoking on the Susceptibility of Reproductive Tract Infections (RTIS) in Immunosuppressed Women: A Hospital Based Study

Macaque models of enhanced susceptibility to HIV

Macaque models of enhanced susceptibility to HIV

Characterization of the genital microenvironment of female rhesus macaques prior to and after SIV infection

Characterization of the genital microenvironment of female rhesus macaques prior to and after SIV infection

Dynamic and Divergent Bacterial Species Similar to Bacterial Vaginosis Prior to SIV in Pigtail Macaques

Dynamic and Divergent Bacterial Species Similar to Bacterial Vaginosis Prior to SIV in Pigtail Macaques
Relationship of Estimated SHIV Acquisition Time Points during the Menstrual Cycle and Thinning of Vaginal Epithelial Layers in Pigtail Macaques.

SHIV susceptibility changes during the menstrual cycle of pigtail macaques

Experimental colitis in SIV-uninfected rhesus macaques recapitulates features of pathogenic SIV infection

Understanding the benign nature of SIV infection in natural hosts

Early microbial translocation blockade reduces SIV-mediated inflammation and viral replication
Increased Susceptibility to Vaginal Simian/Human Immunodeficiency Virus Transmission in Pig-tailed Macaques Coinfected With *Chlamydia trachomatis* and *Trichomonas vaginalis*

HIV-1 reactivation induced by the periodontal pathogens *Fusobacterium nucleatum* and *Porphyromonas gingivalis* involves toll-like receptor 4 and 9 activation in ...

Innate and adaptive immunity at mucosal surfaces of the female reproductive tract: stratification and integration of immune protection against the transmission of ...

Influence of gestogenic contraceptive pills on vaginal candidosis

Effect of microbial coinfection with HIV-1 and butyric acid-producing anaerobic bacteria on AIDS progression
Mitochondria, ROS Autophagy, Inflammasomes and Pyroptosis

ER stress, autophagy, and RNA viruses

[HTML] ER stress, autophagy, and RNA viruses

Human Papilloma Virus and Autophagy

[HTML] Human Papilloma Virus and Autophagy

Role of endoplasmic reticulum stress in drug-induced toxicity

Role of endoplasmic reticulum stress in drug-induced toxicity

AIM2 inflammasome is activated by pharmacological disruption of nuclear envelope integrity

AIM2 inflammasome is activated by pharmacological disruption of nuclear envelope integrity

NLRP3 inflammasome activation: The convergence of multiple signalling pathways on ROS production?

NLRP3 inflammasome activation: The convergence of multiple signalling pathways on ROS production?

Cutting edge: reactive oxygen species inhibitors block priming, but not activation, of the NLRP3 inflammasome

Cutting edge: reactive oxygen species inhibitors block priming, but not activation, of the NLRP3 inflammasome

Signaling by ROS drives inflammasome activation

[HTML] Signaling by ROS drives inflammasome activation

Nitric oxide synthase activity in mitochondria

Nitric oxide synthase activity in mitochondria
On the role of energy decline in muscle cell apoptosis
[PDF] On the role of energy decline in muscle cell apoptosis

Off-target effects of drugs that disrupt human mitochondrial DNA maintenance
[HTML] Off-target effects of drugs that disrupt human mitochondrial DNA maintenance

Higher levels of oxidative DNA damage in cervical cells are correlated with the grade of dysplasia and HPV infection
Higher levels of oxidative DNA damage in cervical cells are correlated with the grade of dysplasia and HPV infection

Oxidative stress, prooxidants, and antioxidants: the interplay
Oxidative stress, prooxidants, and antioxidants: the interplay

Paradoxical action of reactive oxygen species in creation and therapy of cancer
Paradoxical action of reactive oxygen species in creation and therapy of cancer

Innate immunity and HPV: friends or foes
[HTML] Innate immunity and HPV: friends or foes

Redox control of viral carcinogenesis: the human papillomavirus paradigm
Redox control of viral carcinogenesis: the human papillomavirus paradigm

Oxidative Stress, Redox Signaling, and Autophagy: Cell Death Versus Survival
Oxidative Stress, Redox Signaling, and Autophagy: Cell Death Versus Survival
Contribution of autophagy to antiviral immunity

Pyroptosis: host cell death and inflammation

Cell death by pyroptosis drives CD4 T-cell depletion in HIV-1 infection

Cell death in the host response to infection

Major cell death pathways at a glance

Pyroptosis: gasdermin-mediated programmed necrotic cell death

Pyroptotic cell death defends against intracellular pathogens

Pattern Recognition Receptors and the Host Cell Death Molecular Machinery

Pyroptosis

Cell-intrinsic defense at the epithelial border wall: salmonella pays the price
Programmed cell death as a defence against infection

Dissecting how CD4 T cells are lost during HIV infection

Epithelial cell inflammasomes in intestinal immunity and inflammation

Mitochondrial regulation of cell death: a phylogenetically conserved control

*Neisseria gonorrhoeae*-Induced Inflammatory Pyroptosis in Human Macrophages is Dependent on Intracellular Gonococci and Lipooligosaccharide

Trichomonas vaginalis Induces NLRP3 Inflammasome Activation and Pyroptotic Cell Death in Human Macrophages

Programmed cell death and its role in inflammation
Macrophage cell death in microbial infections

Inflammasome-activated gasdermin D causes pyroptosis by forming membrane pores

Emerging roles for lipids in non-apoptotic cell death

Cell-cycle regulators and cell death in immunity

Dietary cholesterol directly induces acute inflammasome-dependent intestinal inflammation

Inflammatory caspase-related pyroptosis: mechanism, regulation and therapeutic potential for inflammatory bowel disease

The clearance of dying cells: table for two

Cell-to-cell transmission of HIV-1 is required to trigger pyroptotic death of lymphoid-tissue-derived CD4 T cells
Research progress of the relationship between pyroptosis and disease

Immune-complexed adenovirus induce AIM2-mediated pyroptosis in human dendritic cells

Hepatitis C virus infection of cultured human hepatoma cells causes apoptosis and pyroptosis in both infected and bystander cells

Human Parvovirus Infection of Human Airway Epithelia Induces Pyroptotic Cell Death via Inhibiting Apoptosis

Streptococcus pneumoniae induces pyroptosis through the regulation of autophagy in murine microglia

Programmed cell death and inflammation: winter is coming

Cell death and cell lysis are separable events during pyroptosis
Inflammatory cell death in intestinal pathologies

Non-canonical activation of inflammatory caspases by cytosolic LPS in innate immunity

... and their lipopolysaccharides between blood and peripheral locations in chronic, inflammatory diseases: the central roles of LPS and LPS-induced cell death

Piperine Suppresses Pyroptosis and Interleukin-1β Release upon ATP Triggering and Bacterial Infection

The cell biology of inflammasomes: Mechanisms of inflammasome activation and regulation

Cell death-based treatment of various diseases: a fifty-year journey

Blood-derived CD4 T cells naturally resist pyroptosis during abortive HIV-1 infection
Cell death and inflammation: the case for IL-1 family cytokines as the canonical DAMPs of the immune system

Regulation of cell death and inflammation in antibacterial immunity

Dying to protect: cell death and the control of T-cell homeostasis

Humoral immune response to adenovirus induce tolerogenic bystander dendritic cells that promote generation of regulatory T cells

DNA-sensing inflammasomes: regulation of bacterial host defense and the gut microbiota

Periodontitis: from microbial immune subversion to systemic inflammation

Intracellular growth of Mycobacterium tuberculosis after macrophage cell death leads to serial killing of host cells
The human immune response to Toxoplasma: Autophagy versus cell death

Inactivation of inflammasomes by pathogens regulates inflammation

Mitophagy and the release of inflammatory cytokines

Necroptosis in anti-viral inflammation

Apoptosis and necroptosis as host defense strategies to prevent viral infection

Inflammasomes: Intracellular detection of extracellular bacteria

Signaling cascades and inflammasome activation in microbial infections

Roles of ubiquitin in autophagy and cell death

The role of interferons in inflammation and inflammasome activation
Inhibition of phagocytosis and pyroptosis of macrophages promotes *Bartonella* invasion into the bloodstream through lymphatic circulation

**Polymicrobial synergy and dysbiosis in inflammatory disease**

**Inflammasomes in inflammation-induced cancer**

**Contribution of autophagy to antiviral immunity**

**What role does pyroptosis play in microbial infection?**

**Extracellular ATP induces the rapid release of HIV-1 from virus containing compartments of human macrophages**

**Modulation of apoptosis and viral latency—an axis to be well understood for successful cure of human immunodeficiency virus**

**ER stress, autophagy, and RNA viruses**
Diverse roles of mitochondria in immune responses: Novel insights into immuno-metabolism

Mitochondrial cardiolipin is required for Nlrp3 inflammasome activation

Nitric oxide suppresses NLRP3 inflammasome activation and protects against LPS-induced septic shock

Mitochondrial DNA in the regulation of innate immune responses

Nitrate, nitrite and nitric oxide reductases: from the last universal common ancestor to modern bacterial pathogens

Glucocorticoids Suppress Antimicrobial Autophagy and Nitric Oxide Production and Facilitate Mycobacterial Survival in Macrophages

Aerobic Glycolysis: Meeting the Metabolic Requirements of Cell Proliferation
Posttranscriptional Control of T Cell Effector Function by Aerobic Glycolysis

Nitric oxide, interorganelle communication, and energy flow: a novel route to slow aging

NITRIC OXIDE IN LIVER DISEASES

Curcumin hormesis mediates a cross-talk between autophagy and cell death

Antioxidant functions of nitric oxide synthase in a methicillin sensitive Staphylococcus aureus

Nitric Oxide Synthase as a Target for Methicillin-Resistant Staphylococcus aureus

Differentiated control of deranged nitric oxide metabolism: a therapeutic option in sepsis?

Generation of NO by probiotic bacteria in the gastrointestinal tract
T cell–derived inducible nitric oxide synthase switches off TH17 cell differentiation

Effect of Blood Nitrite and Nitrate Levels on Murine Platelet Function

Platelets in inflammation and immunity

The role of platelet-activating factor in chronic inflammation, immune activation, and comorbidities associated with HIV infection

Impaired Pulmonary Nitric Oxide Bioavailability in Pulmonary Tuberculosis: Association with Disease Severity and Delayed Mycobacterial Clearance With Treatment

Nitric Oxide Release Part II. Therapeutic Applications

Complex Inhibitory Effects of Nitric Oxide on Autophagy
Endothelial nitric oxide synthase (NOS) deficiency affects energy metabolism pattern in murine oxidative skeletal muscle

Nitric oxide levels regulate macrophage commitment to apoptosis or necrosis during pneumococcal infection

A review and discussion of platelet nitric oxide and nitric oxide synthase: do blood platelets produce nitric oxide from L-arginine or nitrite?

Nitric oxide modulates endotoxin-induced platelet-endothelial cell adhesion in intestinal venules

Sulfa and trimethoprim-like drugs—antimetabolites acting as carbonic anhydrase, dihydropteroate synthase and dihydrofolate reductase inhibitors
Antibacterial effects of nitric oxide on uropathogenic *Escherichia coli* during bladder epithelial cell colonization—a comparison with nitrofurantoin

Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation

Nitric oxide-induced apoptosis of human dental pulp cells is mediated by the mitochondria-dependent pathway

Nitric Oxide as a Mediator for Defence Responses

Reactive Oxygen Species Regulate Hematopoietic Stem Cell Self-Renewal, Migration and Development, As Well As Their Bone Marrow Microenvironment

Gaseous Mediators Nitric Oxide and Hydrogen Sulfide in the Mechanism of Gastrointestinal Integrity, Protection and Ulcer Healing
Endogenous Nitric Oxide Protects Bacteria Against a Wide Spectrum of Antibiotics

Nitric oxide as a regulator of \textit{B. anthracis} pathogenicity

Effects of Nitric Oxide Synthase Inhibitors on Murine Infection with \textit{Mycobacterium tuberculosis}

Nitric oxide synthases: structure, function and inhibition

Nitric oxide and superoxide in inflammation

Reactive oxygen species hydrogen peroxide mediates Kaposi's sarcoma-associated herpesvirus reactivation from latency

Collective nitric oxide production provides tissue-wide immunity during \textit{Leishmania} infection
Structures of human constitutive nitric oxide synthases

Nitric oxide synthase activity in mitochondria

Death of Bystander Cells by a Novel Pathway Involving Early Mitochondrial Damage in Human Immunodeficiency Virus–Related Lymphadenopathy

Drug-induced mitochondrial dysfunction and cardiotoxicity

Impact of nucleoside reverse transcriptase inhibitors on mitochondrial DNA and RNA in human skeletal muscle cells

ATM-ROS-iNOS axis regulates nitric oxide mediated cellular senescence

Pesticides may be altering constitutive nitric oxide release, thereby compromising health

The Emerging Multifaceted Roles of Nitric Oxide
Impaired Systemic Tetrahydrobiopterin Bioavailability and Increased Oxidized Biopterins in Pediatric Falciparum Malaria: Association with Disease Severity

Tetrahydrobiopterin Biosynthesis as an Off-Target of Sulfa Drugs

Tetrahydrobiopterin in nitric oxide synthase

Nitric Oxide Synthase as a Target for Methicillin-Resistant Staphylococcus aureus

The Role of Nitric Oxide in Mycobacterial Infections

Nitric oxide synthase expression and activity in cell models relevant to human pathophysiology

The Role of Nitric Oxide in Mycobacterial Infections
Nitric oxide synthases: regulation and function

Nitric oxide prevents a pathogen-permissive granulocytic inflammation during tuberculosis

Nitric oxide blocks the development of the human parasite Schistosoma japonicum

Nitric oxide inhibits the HIV-1 reverse transcriptase activity

Inhibition of Respiration by Nitric Oxide Induces a Mycobacterium tuberculosis Dormancy Program

Bacterial Persister Cell Formation and Dormancy

Collective nitric oxide production provides tissue-wide immunity during Leishmania infection
Impaired Systemic Tetrahydrobiopterin Bioavailability and Increased Oxidized Biopterins in Pediatric Falciparum Malaria: Association with Disease Severity

Attenuation of Biopterin Synthesis Prevents *Escherichia coli* K1 Invasion of Brain Endothelial Cells and the Development of Meningitis in Newborn Mice

Effects of Nitric Oxide Synthase Inhibitors on Murine Infection with Mycobacterium tuberculosis

Mechanisms of Nitric Oxide-related Antimicrobial Effect of Cigarette Smoke Extract on Nitric Oxide Synthase in Pulmonary Artery Endothelial Cells

Inducible Nitric Oxide Synthase Promoter Haplotypes and Residential Traffic-Related Air Pollution Jointly Influence Exhaled Nitric Oxide Level in Children
Nitric oxide, complex I, and the modulation of mitochondrial reactive species in biology and disease

Complex Inhibitory Effects of Nitric Oxide on Autophagy

Oxidative role of HIV/AIDS: antiretroviral drugs and medicinal plants with anti-HIV activity

Glucocorticoids Suppress Antimicrobial Autophagy and Nitric Oxide Production and Facilitate Mycobacterial Survival in Macrophages

Cellular oxygen utilization in health and sepsis

Amyl nitrite inhalation, a “volatile” anemia

Poppers: legal highs with questionable contents? A case series of poppers maculopathy
Actual sexual risk and perceived risk of HIV acquisition among HIV-negative men who have sex with men in Toronto, Canada

Nitrite inhalants: history, epidemiology, and possible links to AIDS

Nitrite inhalants: Contemporary patterns of abuse

Acute haemolytic anaemia after inhalation of amyl nitrite

Effects of nitrites on the immune system of humans

Poppers-associated retinal toxicity
Sexual risk, nitrite inhalant use, and lack of circumcision associated with HIV seroconversion in men who have sex with men in the United States 2005

Long-term nitrite inhalant exposure and cancer risk in MSM

Nitrite inhalants use and HIV infection among men who have sex with men in China

Pulmonary function in HIV-infected recreational drug users in the era of anti-retroviral therapy

Motivation for Substance Use, Venue of Sexual Encounter, and Sexual Risk Behavior among Men who Have Sex with Men (MSM) in the Multicenter AIDS Cohort ...

Recreational drug use among individuals living with HIV in Europe: review of the prevalence, comparison with the general population and HIV guidelines ...
Increasing use of 'party drugs' in people living with HIV on antiretrovirals: a concern for patient safety

Nitric oxide: a key mediator of biofilm dispersal with applications in infectious diseases

Nitrite derived from endogenous bacterial nitric oxide synthase activity promotes aerobic respiration

Molecular mechanisms of inflammasome activation during microbial infections

Molecular hydrogen inhibits lipopolysaccharide-triggered NLRP3 inflammasome activation in macrophages by targeting the mitochondrial reactive oxygen...

ATP release and purinergic signaling: a common pathway for particle-mediated inflammasome activation.
Activation of the NLRP3 inflammasome by Mycobacterium tuberculosis is uncoupled from susceptibility to active tuberculosis

Mitochondrial protein mitofusin 2 is required for NLRP3 inflammasome activation after RNA virus infection

The cell biology of inflammasomes: Mechanisms of inflammasome activation and regulation

Mitochondrial reactive oxygen species drive proinflammatory cytokine production

Macrophages sense and kill bacteria through carbon monoxide-dependent inflammasome activation

Bacterial exotoxins and the inflammasome

Mitophagy: a balance regulator of NLRP3 inflammasome activation
Mitophagy: a balance regulator of NLRP3 inflammasome activation

Modulation of the host innate immune and inflammatory response by translocated bacterial proteins

Immunologic manifestations of autophagy

Signaling cascades and inflammasome activation in microbial infections

Mechanisms and functions of inflammasomes

The cell biology of inflammasomes: Mechanisms of inflammasome activation and regulation

Inflammasome complexes: emerging mechanisms and effector functions

NLRP6 inflammasome orchestrates the colonic host-microbial interface by regulating goblet cell mucus secretion
Cell stress increases ATP release in NLRP3 inflammasome-mediated autoinflammatory diseases, resulting in cytokine imbalance

Inflammasomes coordinate pyroptosis and natural killer cell cytotoxicity to clear infection by a ubiquitous environmental bacterium

Oxidized mitochondrial DNA activates the NLRP3 inflammasome during apoptosis

Mitochondrial reactive oxygen species drive proinflammatory cytokine production

Mitochondrial damage contributes to Pseudomonas aeruginosa activation of the inflammasome and is downregulated by autophagy

Mitochondrial protein mitofusin 2 is required for NLRP3 inflammasome activation after RNA virus infection
ATP release and purinergic signaling: a common pathway for particle-mediated inflammasome activation

The inflammasome: a caspase-1-activation platform that regulates immune responses and disease pathogenesis

Cutting edge: reactive oxygen species inhibitors block priming, but not activation, of the NLRP3 inflammasome

Signaling by ROS drives inflammasome activation

Macrophages monitor tissue osmolarity and induce inflammatory response through NLRP3 and NLRC4 inflammasome activation

Omega-3 free fatty acids suppress macrophage inflammasome activation by inhibiting NF-κB activation and enhancing autophagy
Bypassing Pathogen-Induced Inflammasome Activation for the Regulation of Interleukin-1β Production by the Fungal Pathogen *Candida albicans*

Autophagy, NLRP3 inflammasome and auto-inflammatory/immune diseases

[PDF] Autophagy, NLRP3 inflammasome and auto-inflammatory/immune diseases

**The cell biology of inflammasomes: Mechanisms of inflammasome activation and regulation**

The cell biology of inflammasomes: Mechanisms of inflammasome activation and regulation

NLRP3 inflammasome: from a danger signal sensor to a regulatory node of oxidative stress and inflammatory diseases

[HTML] NLRP3 inflammasome: from a danger signal sensor to a regulatory node of oxidative stress and inflammatory diseases

Reassessing the evolutionary importance of inflammasomes

Reassessing the evolutionary importance of inflammasomes

**Mitophagy: a balance regulator of NLRP3 inflammasome activation**

[HTML] Mitophagy: a balance regulator of NLRP3 inflammasome activation
Reactive oxygen species regulate caspase-11 expression and activation of the non-canonical NLRP3 inflammasome during enteric pathogen infection

AIM2 inflammasome in infection, cancer, and autoimmunity: Role in DNA sensing, inflammation, and innate immunity

Mechanisms and functions of inflammasomes

Immune regulation of the unfolded protein response at the mucosal barrier in viral infection

Anatomical localization of commensal bacteria in immune cell homeostasis and disease

AIM2 Inflammasome in infection, cancer, and autoimmunity: Role in DNA sensing, inflammation, and innate immunity
Reactive oxygen species regulate caspase-11 expression and activation of the non-canonical NLRP3 inflammasome during enteric pathogen infection

Evasion of inflammasome activation by microbial pathogens

Mitochondrial damage contributes to *Pseudomonas aeruginosa* activation of the inflammasome and is downregulated by autophagy

Oxidized mitochondrial DNA activates the NLRP3 inflammasome during apoptosis

Reactive oxygen species and mitochondria: A nexus of cellular homeostasis

NLRP3 plays a major role in inflammasome activation during *Mycoplasma pneumoniae* infection
NLRP3 inflammasome: from a danger signal sensor to a regulatory node of oxidative stress and inflammatory diseases

Cell stress increases ATP release in NLRP3 inflammasome-mediated autoinflammatory diseases, resulting in cytokine imbalance

Redox regulation of NLRP3 inflammasomes: ROS as trigger or effector?

The reactive oxygen species in macrophage polarization: reflecting its dual role in progression and treatment of human diseases

Fueling inflam-aging through mitochondrial dysfunction: mechanisms and molecular targets

NLRP6 inflammasome orchestrates the colonic host-microbial interface by regulating goblet cell mucus secretion

Mitochondrial DNA in the regulation of innate immune responses
ROS-mediated NLRP3 inflammasome activation in brain, heart, kidney, and testis ischemia/reperfusion injury

Inflammasomes and intestinal inflammation

Mitochondrial control of innate immunity and inflammation

Microbiota-modulated metabolites shape the intestinal microenvironment by regulating NLRP6 inflammasome signaling

The AIM2 inflammasome is a central regulator of intestinal homeostasis through the IL-18/IL-22/STAT3 pathway
Distinct Commensals Induce Interleukin-1b via NLRP3 Inflammasome in Inflammatory Monocytes to Promote Intestinal Inflammation in Response to Injury

The Nlrp3 inflammasome suppresses colorectal cancer metastatic growth in the liver by promoting natural killer cell tumoricidal activity

Dietary cholesterol directly induces acute inflammasome-dependent intestinal inflammation

Induction of NLRP3 Inflammasome Activation by Heme in Human Endothelial Cells

Reactive Oxygen Species in Health and Disease

Mitochondria and cancer

Mitochondria and cancer
Death of Bystander Cells by a Novel Pathway Involving Early Mitochondrial Damage in Human Immunodeficiency Virus-Related Lymphadenopathy

DETECTION OF IgG ANTIBODIES TO LYMPHADENOPATHY-ASSOCIATED VIRUS IN PATIENTS WITH AIDS OR LYMPHADENOPATHY SYNDROME
Françoise Barrée Sinoussi et al. (1984)

https://docs.ufpr.br/~microgeral/arquivos/2013FUNDAMENTOSBarreSinoussi.pdf

The mitochondrial theory of aging and its relationship to reactive oxygen species damage and somatic mtDNA mutations

The mitochondrial theory of aging and its relationship to reactive oxygen species damage and somatic mtDNA mutations
Mitochondrial DNA damage is more extensive and persists longer than nuclear DNA damage in human cells following oxidative stress

Antibacterial drugs and their interference with the biogenesis of mitochondria in animal and human cells

The biogenesis of mitochondria, VI. Biochemical basis of the resistance of Saccharomyces cerevisiae toward antibiotics which specifically inhibit mitochondrial ...

Peroxynitrite Stimulates the Pyridine Nucleotide-Linked $\text{Ca}^{2+}$ Release from Intact Rat Liver Mitochondria

Mitochondrial DNA haplogroups influence AIDS progression

Mitochondrial Function, Biology, and Role in Disease
ROS, mitochondria and the regulation of autophagy
ROS, mitochondria and the regulation of autophagy

Drug-induced mitochondrial dysfunction and cardiotoxicity
Drug-induced mitochondrial dysfunction and cardiotoxicity

Reactive oxygen species are essential for autophagy and specifically regulate the activity of Atg4
Reactive oxygen species are essential for autophagy and specifically regulate the activity of Atg4

Oxidation as a post-translational modification that regulates autophagy
Oxidation as a post-translational modification that regulates autophagy

Crosstalk Between Oxidative Stress, Autophagy and Cell Death—Pathogenesis of Autoimmune Disease
[Crosstalk Between Oxidative Stress, Autophagy and Cell Death—Pathogenesis of Autoimmune Disease]

Mitochondrial Reactive Oxygen Species (ROS) and ROS-Induced ROS Release
[HTML] Mitochondrial reactive oxygen species (ROS) and ROS-induced ROS release

Antibiotic Overusage Causes Mitochondrial Dysfunction Which May Promote Tumorigenesis
[PDF] Antibiotic Overusage Causes Mitochondrial Dysfunction Which May Promote Tumorigenesis
Mitochondria: diversity in the regulation of the NLRP3 inflammasome

Endothelial mitochondrial ROS, un-coupled from ATP synthesis, determine both physiological endothelial activation for recruitment of patrolling cells, and ...

Mitochondrial dysfunction and tissue injury by alcohol, high fat, nonalcoholic substances and pathological conditions through post-translational protein ...

Mitochondria are required for antigen-specific T cell activation through reactive oxygen species signaling

Mitochondrial respiration controls lysosomal function during inflammatory T cell responses

Mitochondria as signalling organelles
Regulation of mitochondrial biogenesis and its intersection with inflammatory responses

Mitochondrial redox signaling: interaction of mitochondrial reactive oxygen species with other sources of oxidative stress

Mitophagy and the mitochondrial unfolded protein response in neurodegeneration and bacterial infection

Mitochondrial ROS signaling in organismal homeostasis

Autophagy and the immune function in aging

Mitochondria in the regulation of innate and adaptive immunity

Endoplasmic reticulum stress activates the inflammasome via NLRP3-and caspase-2-driven mitochondrial damage
Reactive oxygen species at the crossroads of inflammasome and inflammation

Mitochondrial dysfunction in cancer

Mitochondria, energetics, epigenetics, and cellular responses to stress

Why translation counts for mitochondria – retrograde signalling links mitochondrial protein synthesis to mitochondrial biogenesis and cell proliferation

A mitochondrial bioenergetic etiology of disease

Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition

Mitochondria as a Target of Environmental Toxicants

Reactive Oxygen Species in Cancer Biology and Anticancer Therapy
Reactive oxygen species in cancer biology and anticancer therapy

Mitochondrial reactive oxygen species and cancer

Mitochondria: A target for bacteria

Microbiota and Mitobiota. Putting an Equal Sign between Mitochondria and Bacteria

MAVS maintains mitochondrial homeostasis via autophagy

Roles of autophagy in elimination of intracellular bacterial pathogens

A peep into mitochondrial disorder: multifaceted from mitochondrial DNA mutations to nuclear gene modulation

Autophagy as an immune effector against tuberculosis
Intestinal Epithelial Autophagy Is Essential for Host Defence against Invasive Bacteria

Autophagy in macrophages: impacting inflammation and bacterial infection

The impact of autophagic processes on the intracellular fate of Helicobacter pylori

Autophagy and Cellular Immune Responses

Autophagy and female genital tract infections: new insights and research directions

Autophagy Enhances Bacterial Clearance during P. aeruginosa Lung Infection
Azithromycin blocks autophagy and may predispose cystic fibrosis patients to mycobacterial infection

Oxidized lipoproteins are associated with markers of inflammation and immune activation in HIV-1 infection

L-form Bacteria Cohabitants in Human Blood: Significance for Health and Diseases

Epidemiology of Nontuberculous Mycobacterial Infections and Associated Chronic Macrolide Use among Persons with Cystic Fibrosis

Autophagy in Mycobacterium Tuberculosis and HIV infections

Autophagy restricts HIV-1 infection by selectively degrading Tat in CD4 T lymphocytes

Autophagy as an innate defense against mycobacteria
The Defect in Autophagy Induction by Clinical Isolates of Mycobacterium Tuberculosis Is Correlated with Poor Tuberculosis Outcomes

Autophagy and bacterial infection: an evolving arms race

Host Autophagy Response: Friend or Foe in Reproductive Tract Infections

Oxidative stress and autophagy: the clash between damage and metabolic needs

Metabolic control of autophagy

Autophagy regulation by nutrient signaling

Autophagy in cellular metabolism and cancer

Interactions between Autophagy and Bacterial Toxins: Targets for Therapy?

S-Nitrosylation at the Interface of Autophagy and Disease
Direct measurement of oxidative and nitrosative stress dynamics in Salmonella inside macrophages

Spotlights on immunological effects of reactive nitrogen species: When inflammation says nitric oxide

Proliferation of *Toxoplasma gondii* Suppresses Host Cell Autophagy

Reactive oxygen species and mitochondria: A nexus of cellular homeostasis

Autophagy plays an important role in the containment of HIV-1 in nonprogressor-infected patients

Reactive oxygen species and the bacterial response to lethal stress

Reactive oxygen species hydrogen peroxide mediates Kaposi's sarcoma-associated herpesvirus reactivation from latency
Virus-Induced Autophagy in Innate Immunity

Role of Autophagy in Cancer Prevention

LPS-induced autophagy is mediated by oxidative signaling in cardiomyocytes and is associated with cytoprotection

Endogenous Nitrated Nucleotide Is a Key Mediator of Autophagy and Innate Defense against Bacteria

Autophagy, mitochondria and oxidative stress: cross-talk and redox signalling

Interplay of oxidative, nitrosative/nitrative stress, inflammation, cell death and autophagy in diabetic cardiomyopathy

Warburg Meets Autophagy: Cancer-Associated Fibroblasts Accelerate Tumor Growth and Metastasis via Oxidative Stress, Mitophagy, and Aerobic Glycolysis
Warburg Meets Autophagy: Cancer-Associated Fibroblasts Accelerate Tumor Growth and Metastasis via Oxidative Stress, Mitophagy, and Aerobic ...

Apoptosis and Autophagy: Decoding Calcium Signals that Mediate Life or Death

Oxidative stress and autophagy: the clash between damage and metabolic needs

Curcumin promotes differentiation of glioma-initiating cells by inducing autophagy

Free Radicals in Cross Talk Between Autophagy and Apoptosis

The Impact of Autophagy on Cell Death Modalities

8-Nitro-cGMP—A New Player in Antibacterial Autophagy

A mitochondrial superoxide theory for oxidative stress diseases and aging
A mitochondrial superoxide theory for oxidative stress diseases and aging

Protecting the mitochondrial powerhouse

Mitochondrial Regulation of Cell Cycle and Proliferation

Mitochondrial reactive oxygen species and inflammation: molecular mechanisms, diseases and promising therapies

Mitochondrial DNA in the regulation of innate immune responses

Autophagy in Human Health and Disease

Autophagy and Cellular Immune Responses

MicroRNA-155 Promotes Autophagy to Eliminate Intracellular Mycobacteria by rheb

Influence of nutrient-derived metabolites on lymphocyte immunity
New Potential Pharmacological Functions of Chinese Herbal Medicines via Regulation of Autophagy

The Emerging Links Between Sirtuins and Autophagy

Cell Death and Autophagy in TB

Autophagy and the kidney: health and disease

Modulation of Host Autophagy during Bacterial Infection: Sabotaging Host Munitions for Pathogen Nutrition

Is mitochondrial generation of reactive oxygen species a trigger for autophagy?

Mitochondria regulate autophagy by conserved signalling pathways

Autophagy receptors in developmental clearance of mitochondria
Mechanisms of mitochondria and autophagy crosstalk

Mitochondrial Control of Cellular Life, Stress, and Death

Reactive oxygen species and mitochondria: A nexus of cellular homeostasis

Are Reactive Oxygen Species Always Detrimental to Pathogens?

ROS-induced mitochondrial depolarization initiates PARK2/PARKIN-dependent mitochondrial degradation by autophagy

Mitochondrial morphology in mitophagy and macroautophagy

Autophagy and lysosomal dysfunction as emerging mechanisms of nanotoxicity material toxicity
Autophagy and IL-1 family cytokines

Aerobic Glycolysis: Meeting the Metabolic Requirements of Cell Proliferation

Oxidative stress and autophagy: Crucial modulators of kidney injury

Curcumin hormesis mediates a cross-talk between autophagy and cell death

Curcumin a multifaceted compound with hormetic behavior that mediates an intricate crosstalk between mitochondrial biogenesis, mitophagy, mitophagic death ...

Oxidative stress-induced autophagy: Role in pulmonary toxicity

Cellular Metabolic and Autophagic Pathways: Traffic Control by Redox Signaling

Novel Insights into the Interplay between Apoptosis and Autophagy
Novel insights into the interplay between apoptosis and autophagy

Modulation of Host Autophagy during Bacterial Infection: Sabotaging Host Munitions for Pathogen Nutrition

Natural killer (NK) cells in antibacterial innate immunity: angels or devils?

Autophagy restricts *Chlamydia trachomatis* growth in human macrophages via IFNG-inducible guanylate binding proteins

Cellular and Molecular Connections between Autophagy and Inflammation

Autophagy protects against active tuberculosis by suppressing bacterial burden and inflammation

Autophagy, the “Master” Regulator of Cellular Quality Control: What Happens when Autophagy Fails?
Dietary cholesterol directly induces acute inflammasome-dependent intestinal inflammation

Mitochondria: diversity in the regulation of the NLRP3 inflammasome

Mechanisms of mitochondria and autophagy crosstalk

Glucocorticoids Suppress Antimicrobial Autophagy and Nitric Oxide Production and Facilitate Mycobacterial Survival in Macrophages

Organization of the Human Mitochondrial Hydrogen Sulfide Oxidation Pathway

Mitochondrial biology, targets, and drug delivery

Mitochondrial quality control: Cell-type-dependent responses to pathological mutant mitochondrial DNA

Mitochondrial electron-transport-chain inhibitors of complexes I and II induce autophagic cell death mediated by reactive oxygen species
Mitochondrial electron-transport-chain inhibitors of complexes I and II induce autophagic cell death mediated by reactive oxygen species

Drug-Induced Inhibition of Mitochondrial Fatty Acid Oxidation and Steatosis

Regulation of Mammalian Autophagy in Physiology and Pathophysiology

Metabolic Control of Autophagy

Regulation of autophagy by polyphenolic compounds as a potential therapeutic strategy for cancer

Oxidative Stress, Redox Signaling, and Autophagy: Cell Death Versus Survival

Oxidative stress in HIV patients receiving antiretroviral therapy

Autophagy in infection, inflammation, and immunity

The Role of Reactive Oxygen Species (ROS) in the Formation of Extracellular Traps (ETs) in Humans
The role of reactive oxygen species (ROS) in the formation of extracellular traps (ETs) in humans

Exosomes and other extracellular vesicles: the new communicators in parasite infections

The role of extracellular vesicles in modulating the host immune response during parasitic infections

Parasite extracellular vesicles: mediators of intercellular communication
Sending a message: extracellular vesicles of pathogenic protozoan parasites

Mitochondrial quality control: Cell-type-dependent responses to pathological mutant mitochondrial DNA

Nitric oxide, complex I, and the modulation of mitochondrial reactive species in biology and disease

Cellular and Molecular Connections between Autophagy and Inflammation
Autophagy and mesenchymal cell fibrogenesis

Autophagy protects against active tuberculosis by suppressing bacterial burden and inflammation

Host cell autophagy activated by antibiotics is required for their effective antimycobacterial drug action

Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition

Regulation and Functional Significance of Autophagy in Respiratory Cell Biology and Disease

Vitamin D Inhibits Human Immunodeficiency Virus Type 1 and Mycobacterium tuberculosis Infection in Macrophages through the Induction of Autophagy

Autophagy: An adaptive metabolic response to stress shaping the antitumor immunity
Autophagy: an adaptive metabolic response to stress shaping the antitumor immunity

Exosomes and autophagy: coordinated mechanisms for the maintenance of cellular fitness

Immunologic manifestations of autophagy

Regulation of Immune Responses by Extracellular Vesicles

Posttranscriptional Control of T Cell Effector Function by Aerobic Glycolysis

Knockdown of Autophagy Inhibits Infectious Hepatitis C Virus Release by the Exosomal Pathway

Extracellular vesicles in blood, milk and body fluids of the female and male urogenital tract and with special regard to reproduction

Biogenesis and Functions of Exosomes and Extracellular Vesicles
Emerging role of extracellular vesicles in inflammatory diseases

Exosomes in the Thymus: Antigen Transfer and Vesicles

Autophagy in Macrophages impacting inflammation and bacterial infection

Ménage à Trois in Stress: DAMPs, Redox and Autophagy

The human immune response to Toxoplasma: Autophagy versus cell death Long-term live imaging reveals cytosolic immune responses of host hepatocytes against Plasmodium infection and parasite escape mechanisms
Autophagy downstream of endosomal Toll-like Receptors Signaling in Macrophages is a Key Mechanism for Resistance to Leishmania major Infection

Between Armour and Weapons—Cell Death Mechanisms in Trypanosomatid Parasites

A noncanonical autophagy pathway restricts Endoplasmic reticulum stress and unfolded protein response in infection by intracellular parasites

Mechanisms of cellular invasion by intracellular parasites

Extracellular vesicles in parasitic diseases

The role of extracellular vesicles in modulating the host immune response during parasitic infections
The role of extracellular vesicles in *Plasmodium* and other protozoan parasites

Extracellular vesicles from infected cells: potential for direct pathogenesis

Autophagy and checkpoints for intracellular pathogen defence

Mitochondrial dysfunction activates the AMPK signalling and autophagy to promote cell survival

Disruption of cytochrome c oxidase function induces the Warburg effect and metabolic reprogramming

Oxidative Stress Induced Mitochondrial Protein Kinase A Mediates Cytochrome C Oxidase Dysfunction

Immune regulation of the unfolded protein response at the mucosal barrier in viral infection
Protein Quality Control Under Oxidative Stress Conditions

Autophagy protects against active tuberculosis by suppressing bacterial burden and inflammation

Biological Activities of Reactive Oxygen and Nitrogen Species: Oxidative Stress versus Signal Transduction

Mitochondrial quality control: Cell-type-dependent responses to pathological mutant mitochondrial DNA

Listeria Monocytogenes: Understanding the Interaction of Pathogen and Host Physiology During Intracellular Growth
Immune Dysfunction as a Cause and Consequence of Malnutrition
[HTML] Immune dysfunction as a cause and consequence of malnutrition

Targeting mitochondrial function in sepsis
[PDF] Targeting mitochondrial function in sepsis

Autophagy restricts HIV-1 infection by selectively degrading Tat in CD4+ T lymphocytes
Autophagy restricts HIV-1 infection by selectively degrading Tat in CD4+ T lymphocytes

Cancer and the gut microbiota: an unexpected link
Cancer and the gut microbiota: an unexpected link

Microbiota–mitochondria inter-talk: consequence for microbiota–host interaction
Microbiota–mitochondria inter-talk: consequence for microbiota–host interaction

Bactericidal Antibiotics Induce Mitochondrial Dysfunction and Oxidative Damage in Mammalian Cells
Bactericidal antibiotics induce mitochondrial dysfunction and oxidative damage in mammalian cells

Reactive Oxygen Species in Health and Disease
[PDF] Reactive oxygen species in health and disease

Glucose metabolism in T cells and monocytes: new perspectives in HIV pathogenesis

Viruses and the autophagy pathway
[HTML] Viruses and the autophagy pathway
Exosomes in viral disease
[HTML] Exosomes in viral disease

Oxidative Stress in Infection and Consequent Disease
[PDF] Oxidative Stress in Infection and Consequent Disease

Evidence of oxidative stress and secondary mitochondrial dysfunction in metabolic and non-metabolic disorders
Evidence of oxidative stress and secondary mitochondrial dysfunction in metabolic and non-metabolic disorders

Microbiota-modulated metabolites shape the intestinal microenvironment by regulating NLRP6 inflammasome signaling
[HTML] Microbiota-modulated metabolites shape the intestinal microenvironment by regulating NLRP6 inflammasome signaling

Azithromycin inhibits IL-1 secretion and non-canonical inflammasome activation
[HTML] Azithromycin inhibits IL-1 secretion and non-canonical inflammasome activation

Mitochondrial DNA in the regulation of innate immune responses
[HTML] Mitochondrial DNA in the regulation of innate immune responses

NLRP3 inflammasome activation: The convergence of multiple signalling pathways on ROS production?
NLRP3 inflammasome activation: The convergence of multiple signalling pathways on ROS production?

Signaling by ROS drives inflammasome activation
[HTML] Signaling by ROS drives inflammasome activation
Mitochondrial cardiolipin is required for Nlrp3 inflammasome activation

Activation of the NLRP3 inflammasome by Mycobacterium tuberculosis is uncoupled from susceptibility to active tuberculosis

Mitochondrial protein mitofusin 2 is required for NLRP3 inflammasome activation after RNA virus infection

Mitochondrial reactive oxygen species drive proinflammatory cytokine production

Microbiota–mitochondria inter-talk: consequence for microbiota–host interaction

Macrophages sense and kill bacteria through carbon monoxide–dependent inflammasome activation

Bacterial exotoxins and the inflammasome
Mitophagy: a balance regulator of NLRP3 inflammasome activation

Turning up the heat: inflammasome activation by fungal pathogens

Endothelial mitochondrial ROS, un-coupled from ATP synthesis, determine both physiological endothelial activation for recruitment of patrolling cells, and ...

Signaling cascades and inflammasome activation in microbial infections

Mechanisms and functions of inflammasomes

Inflammasome complexes: emerging mechanisms and effector functions

Macrolides protect against *Pseudomonas aeruginosa* infection via inhibition of inflammasomes
AIM2 inflammasome in infection, cancer, and autoimmunity: Role in DNA sensing, inflammation, and innate immunity

Reactive oxygen species regulate caspase-11 expression and activation of the non-canonical NLRP3 inflammasome during enteric pathogen infection

Evasion of inflammasome activation by microbial pathogens

Mitochondrial damage contributes to *Pseudomonas aeruginosa* activation of the inflammasome and is downregulated by autophagy

Oxidized mitochondrial DNA activates the NLRP3 inflammasome during apoptosis

Reactive oxygen species and mitochondria: A nexus of cellular homeostasis

Inflammasomes in non-immune cells: functions and role in disease
NLRP3 plays a major role in inflammasome activation during Mycoplasma pneumoniae infection

NLRP3 inflammasome: from a danger signal sensor to a regulatory node of oxidative stress and inflammatory diseases

Cell stress increases ATP release in NLRP3 inflammasome-mediated autoinflammatory diseases, resulting in cytokine imbalance

Redox regulation of NLRP3 inflammasomes: ROS as trigger or effector?

The reactive oxygen species in macrophage polarization: reflecting its dual role in progression and treatment of human diseases

Fueling inflamm-aging through mitochondrial dysfunction: mechanisms and molecular targets
NLRP6 inflammasome orchestrates the colonic host-microbial interface by regulating goblet cell mucus secretion

Mitochondrial DNA in the regulation of innate immune responses

ROS-mediated NLRP3 inflammasome activation in brain, heart, kidney, and testis ischemia/reperfusion injury

Inflammasomes and intestinal inflammation

Mitochondrial control of innate immunity and inflammation

Microbiota-modulated metabolites shape the intestinal microenvironment by regulating NLRP6 inflammasome signaling
The AIM2 inflammasome is a central regulator of intestinal homeostasis through the IL-18/IL-22/STAT3 pathway

Distinct Commensals Induce Interleukin-1b via NLRP3 Inflammasome in Inflammatory Monocytes to Promote Intestinal Inflammation in Response to Injury

The Nlrp3 inflammasome suppresses colorectal cancer metastatic growth in the liver by promoting natural killer cell tumoricidal activity

Dietary cholesterol directly induces acute inflammasome-dependent intestinal inflammation

Induction of NLRP3 Inflammasome Activation by Heme in Human Endothelial Cells

HIV nonprogressors preferentially maintain highly functional HIV-specific CD8\(^+\) T cells
Immune regulation of the unfolded protein response at the mucosal barrier in viral infection

Mitochondrial dynamics and viral infections: a close nexus

Autophagy and inflammation

Ancient genomes, wise bodies, unhealthy people: limits of a genetic paradigm in biology and medicine

Richard Strohman: The Coming Kuhnian Revolution in Biology


Questioning the HIV-AIDS hypothesis: 30 years of dissent

[HTML] Questioning the HIV-AIDS hypothesis: 30 years of dissent
Antibiotics, its mitochondrial toxicity, Antibiotic Resistance, Gut flora and bacterial translocation

The microbial metabolite butyrate regulates intestinal macrophage function via histone deacetylase inhibition

Adverse effects of antimicrobials via predictable or idiosyncratic inhibition of host mitochondrial components

Ciprofloxacin does not inhibit mitochondrial functions but other antibiotics do

Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment
Antibacterial drugs and their interference with the biogenesis of mitochondria in animal and human cells

Inhibition of mammalian mitochondrial protein synthesis by oxazolidinones

The biogenesis of mitochondria, VI. Biochemical basis of the resistance of Saccharomyces cerevisiae toward antibiotics which specifically inhibit mitochondrial ...

Macrolide-induced clinically relevant drug interactions with cytochrome P-450A (CYP) 3A4: an update focused on clarithromycin, azithromycin and dirithromycin
Several gene programs are induced in ciprofloxacin-treated human lymphocytes as revealed by microarray analysis

Hepatic gene expression profiling and lipid homeostasis in mice exposed to steatogenic drug, tetracycline

Severe cutaneous adverse reactions related to systemic antibiotics

Penicillins, Cephalosporins, Other Beta-Lactam Antibiotics and Tetracyclines

Inactivation of antibiotics and the dissemination of resistance genes

Decreased affinity of mosaic-structure recombinant penicillin-binding protein 2 for oral cephalosporins in *Neisseria gonorrhoeae*

Tetracycline alters drug susceptibility in Candida albicans and other pathogenic fungi
Increasing prevalence of antimicrobial resistance among uropathogens causing acute uncomplicated cystitis in women

Adverse drug reactions related to amoxicillin alone and in association with clavulanic acid: data from spontaneous reporting in Italy

Transfer of multiple drug resistance plasmids between bacteria of diverse origins in natural microenvironments.

Prevention of resistance: a goal for dose selection for antimicrobial agents

Distribution of quinolones, sulfonamides, tetracyclines in aquatic environment and antibiotic resistance in Indochina

Antimicrobial resistance profiles of enterococci isolated from poultry meat and pasteurized milk in Rio de Janeiro, Brazil
Pattern of co-infection by enteric pathogenic parasites among HIV sero-positive individuals in a Tertiary Care Hospital, Mumbai, India

Enteric dysbiosis promotes antibiotic-resistant bacterial infection: systemic dissemination of resistant and commensal bacteria through epithelial transcytosis

Increased tryptophan catabolism is associated with increased frequency of CD161+ Tc17/MAIT cells and lower CD4+ T-cell count in HIV-1 infected patients on cART ...

Frequencies of circulating MAIT cells are diminished in chronic HCV, HIV and HCV/HIV co-infection and do not recover during therapy

IL-17 Production from T helper 17, Mucosal-associated invariant T, and γδ cells in Tuberculosis infection and Disease
Antibiotics and the human gut microbiome: dysbioses and accumulation of resistances

Modulation of the host innate immune and inflammatory response by translocated bacterial proteins

Intestinal microbiota, microbial translocation, and systemic inflammation in chronic HIV infection

Evidence for polymicrobial flora translocating in peripheral blood of HIV-infected patients with poor immune response to antiretroviral therapy

Dysbiosis of the gut microbiota is associated with HIV disease progression and tryptophan catabolism

Gut Lactobacillales are associated with higher CD4 and less microbial translocation during HIV infection
The microbial metabolite butyrate regulates intestinal macrophage function via histone deacetylase inhibition

The gut microbiome in human immunodeficiency virus infection

Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

The dynamics of bacteria population on the skin, throat, and gastrointestinal tract of HIV-seropositive patients

Gut mucosal barrier dysfunction, microbial dysbiosis, and their role in HIV-1 disease progression
Gut epithelial barrier dysfunction in human immunodeficiency virus-hepatitis C virus coinfected patients: Influence on innate and acquired immunity

Immune activation is associated with increased gut microbial translocation in treatment-naive, HIV-infected children in a resource-limited setting

The common enteric bacterial pathogens and their antimicrobial susceptibility pattern among HIV-infected individuals attending the antiretroviral therapy clinic ...

Richer gut microbiota with distinct metabolic profile in HIV infected elite controllers Activation and function of iNKT and MAIT cells

Bactericidal antibiotics promote reactive oxygen species formation and inflammation in human sinonasal epithelial cells

HIV-induced immunosuppression is associated with colonization of the proximal gut by environmental bacteria

Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection

The impact of intestinal inflammation on the nutritional environment of the gut microbiota.
Oxidative Stress: An Essential Factor in the Pathogenesis of Gastrointestinal Mucosal Diseases

Oxidative stress: an essential factor in the pathogenesis of gastrointestinal mucosal diseases

Glucose metabolism regulates T cell activation, differentiation, and functions

Glucose metabolism regulates T cell activation, differentiation, and functions

Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen

Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen

Control of Pathogens and Pathobionts by the Gut Microbiota

Control of pathogens and pathobionts by the gut microbiota

Role of Anaerobic Flora in the Translocation of Aerobic and Facultatively Anaerobic Intestinal Bacteria

Role of anaerobic flora in the translocation of aerobic and facultatively anaerobic intestinal bacteria.

Crosstalk between the Intestinal Microbiota and the Innate Immune System in Intestinal Homeostasis and Inflammatory Bowel Disease

Crosstalk between the intestinal microbiota and the innate immune system in intestinal

Leaky gut and the liver: A role for bacterial translocation in nonalcoholic steatohepatitis
**Leaky gut and the liver: a role for bacterial translocation in nonalcoholic steatohepatitis**

**The Impact of Antibiotics on the Gut Microbiota as Revealed by High Throughput DNA Sequencing**

[HTML] **The impact of antibiotics on the gut microbiota as revealed by high throughput DNA sequencing**

**Host-microbe interactions shaping the gastrointestinal environment**

[HTML] **Host-microbe interactions shaping the gastrointestinal environment**

[HTML] **Host-microbe interactions shaping the gastrointestinal environment**

**Gut-Associated Lymphoid Tissue-Regulated Intestinal Barrier in HIV Infection**

[PDF] **Gut-associated lymphoid tissue-regulated intestinal barrier in HIV infection**

**Microbial translocation is a cause of systemic immune activation in chronic HIV infection**

**Microbial translocation is a cause of systemic immune activation in chronic HIV infection**

**Dual role of commensal bacteria in viral infections**

**Dual role of commensal bacteria in viral infections**

**Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection**

[HTML] **Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection**
Microbial translocation, immune activation and HIV disease

Microbial translocation in the pathogenesis of HIV infection and AIDS

Dysbiosis of the gut microbiota is associated with HIV disease progression and tryptophan catabolism

Inflammatory properties of antibiotic-treated bacteria

Commensal microbiome promotes resistance to local and systemic infections

Anatomical localization of commensal bacteria in immune cell homeostasis and disease

Starring role of toll-like receptor-4 activation in the gut-liver axis
Alterations in the fecal microbiota of patients with HIV-1 infection: an observational study in a Chinese population

Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

Gut mucosal barrier dysfunction, microbial dysbiosis, and their role in HIV-1 disease progression

The regulation of host defences to infection by the microbiota

Commensal microbiome promotes resistance to local and systemic infections

The gut microbiota and host health: a new clinical frontier
Effect of probiotic supplement on cytokine levels in HIV-infected individuals: a preliminary study
Reduced levels of D-dimer and changes in gut microbiota composition after probiotic intervention in HIV-infected individuals on stable ART
Intestinal microbiota, microbial translocation, and systemic inflammation in chronic HIV infection
Effector and Memory T cell Responses to Commensal Bacteria
Functional characterization of the antibiotic resistance reservoir in the human microflora
Long-term impacts of antibiotic exposure on the human intestinal microbiota
Antibiotic administration alters the community structure of the gastrointestinal microbiota
Effect of oral tetracycline, the microbial flora, and the athymic state on gastrointestinal colonization and infection of BALB/c mice with Candida albicans.

Antibiotic-induced changes in the intestinal microbiota and disease

Inflammatory disease caused by intestinal pathobionts

The gut as reservoir of antibiotic resistance: microbial diversity of tetracycline resistance in mother and infant

Reproducible community dynamics of the gastrointestinal microbiota following antibiotic perturbation

Causative agent distribution and antibiotic therapy assessment among adult patients with community acquired pneumonia in Chinese urban population
Impact of trimethoprim-sulfamethoxazole prophylaxis on etiology and susceptibilities of pathogens causing human immunodeficiency virus-associated bacteremia

Vancomycin-resistant enterococci exploit antibiotic-induced innate immune deficits

Reduced stem cell mobilization in mice receiving antibiotic modulation of the intestinal flora: involvement of endotoxins as cofactors in mobilization

Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome

From structure to function: the ecology of host-associated microbial communities
Perturbation of the small intestine microbial ecology by streptomycin alters pathology in a Salmonella enterica serovar typhimurium murine model of infection

Microbiota regulates immune defense against respiratory tract influenza A virus infection

Antibiotic administration alters the community structure of the gastrointestinal microbiota

Macrolide-resistant *Campylobacter*: the meat of the matter

The spectrum of pseudomembranous enterocolitis and antibiotic-associated diarrhea

Antibiotic-induced changes in the intestinal microbiota and disease

Antibiotics and the human gut microbiome: dysbioses and accumulation of resistances
The microbiome and innate immunity

Microbiota and probiotics in health and HIV infection

Evidence for polymicrobial flora translocating in peripheral blood of HIV-infected patients with poor immune response to antiretroviral therapy

Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

The microbial metabolite butyrate regulates intestinal macrophage function via histone deacetylase inhibition

Dysbiosis gut microbiota associated with inflammation and impaired mucosal immune function in intestine of humans with non-alcoholic fatty liver disease

Gut Lactobacillales are associated with higher CD4 and less microbial translocation during HIV infection
The gut microbiome in human immunodeficiency virus infection

Alterations in the gut microbiota of patients with acquired immune deficiency syndrome

HIV-induced immunosuppression is associated with colonization of the proximal gut by environmental bacteria

Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection

Immune activation is associated with increased gut microbial translocation in treatment-naive, HIV-infected children in a resource-limited setting

The impact of intestinal inflammation on the nutritional environment of the gut microbiota.
Oxidative Stress: An Essential Factor in the Pathogenesis of Gastrointestinal Mucosal Diseases
Oxidative stress: an essential factor in the pathogenesis of gastrointestinal mucosal diseases

Effector and Memory T cell Responses to Commensal Bacteria
Effector and memory T cell responses to commensal bacteria

Control of Pathogens and Pathobionts by the Gut Microbiota
Control of pathogens and pathobionts by the gut microbiota

Microbial translocation is a cause of systemic immune activation in chronic HIV infection
Microbial translocation is a cause of systemic immune activation in chronic HIV infection

Dual role of commensal bacteria in viral infections
Dual role of commensal bacteria in viral infections

Microbial translocation, immune activation and HIV disease
Microbial translocation, immune activation, and HIV disease

Microbial translocation in the pathogenesis of HIV infection and AIDS
Microbial translocation in the pathogenesis of HIV infection and AIDS

Dysbiosis of the gut microbiota is associated with HIV disease progression and tryptophan catabolism
Dysbiosis of the gut microbiota is associated with HIV disease progression and tryptophan catabolism

Emerging insights on intestinal dysbiosis during bacterial infections

Inflammatory properties of antibiotic-treated bacteria

Signals from the gut microbiota to distant organs in physiology and disease

Commensal microbiome promotes resistance to local and systemic infections

Anatomical localization of commensal bacteria in immune cell homeostasis and disease

Starring role of toll-like receptor-4 activation in the gut-liver axis

The impact of intestinal inflammation on the nutritional environment of the gut microbiota
Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

Role of anaerobic flora in the translocation of aerobic and facultatively anaerobic intestinal bacteria.

Gut mucosal barrier dysfunction, microbial dysbiosis, and their role in HIV-1 disease progression

The dynamics of bacteria population on the skin, throat, and gastrointestinal tract of HIV-seropositive patients

Reduced levels of D-dimer and changes in gut microbiota composition after probiotic intervention in HIV-infected individuals on stable ART

Intestinal microbiota, microbial translocation, and systemic inflammation in chronic HIV infection
**Gut epithelial barrier dysfunction in human immunodeficiency virus-hepatitis C virus coinfected patients: Influence on innate and acquired immunity**

[HTML] Gut epithelial barrier dysfunction in human immunodeficiency virus-hepatitis C virus coinfected patients: Influence on innate and acquired immunity

**Gut microbiota in HIV infection: implication for disease progression and management**

Gut microbiota in HIV infection: implication for disease progression and management

**Prevalence and antibiotic resistance pattern of blood culture isolates from human immunodeficiency virus (HIV) patients on highly active anti-retroviral therapy ...**

[PDF] Prevalence and antibiotic resistance pattern of blood culture isolates from human immunodeficiency virus (HIV) patients on highly active anti-retroviral therapy ...

**The common enteric bacterial pathogens and their antimicrobial susceptibility pattern among HIV-infected individuals attending the antiretroviral therapy clinic ...**

[HTML] The common enteric bacterial pathogens and their antimicrobial susceptibility pattern among HIV-infected individuals attending the antiretroviral therapy clinic ...

**Pattern of co-infection by enteric pathogenic parasites among HIV sero-positive individuals in a Tertiary Care Hospital, Mumbai, India**

[HTML] Pattern of co-infection by enteric pathogenic parasites among HIV sero-positive individuals in a Tertiary Care Hospital, Mumbai, India

**Evasion of inflammasome activation by microbial pathogens**
Bactericidal antibiotics promote reactive oxygen species formation and inflammation in human sinonasal epithelial cells

Dysbiosis and the immune system

The dynamics of bacteria population on the skin, throat, and gastrointestinal tract of HIV-seropositive patients

The regulation of host defences to infection by the microbiota

Commensal microbiome promotes resistance to local and systemic infections

Gut microbiota in HIV infection: implication for disease progression and management Strategies to limit immune-activation in HIV patients

Signals from the gut microbiota to distant organs in physiology and disease
Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

Antibiotics and the human gut microbiome: dysbioses and accumulation of resistances

Inflammatory disease caused by intestinal pathobionts

The microbiome and innate immunity

Anaerobic bacterial fermentation products increase tuberculosis risk in antiretroviral-drug-treated HIV patients

Azithromycin inhibits IL-1 secretion and non-canonical inflammasome activation

Doxycycline Attenuates Leptospira-Induced IL-1β by Suppressing NLRP3 Inflammasome Priming
Microbiota-modulated metabolites shape the intestinal microenvironment by regulating NLRP6 inflammasome signaling

The microbial metabolite butyrate regulates intestinal macrophage function via histone deacetylase inhibition

Inflammation as a target of minocycline: special interest in the regulation of inflammasome signaling

Antibiotic-induced changes in the intestinal microbiota and disease

Modulation of the host innate immune and inflammatory response by translocated bacterial proteins

The role of the microbial metabolites including tryptophan catabolites and short chain fatty acids in the pathophysiology of immune-inflammatory and neuroimmune ...
Inflammatory properties of antibiotic-treated bacteria

Macrolides protect against *Pseudomonas aeruginosa* infection via inhibition of inflammasomes

The dynamics of bacteria population on the skin, throat, and gastrointestinal tract of HIV-seropositive patients

Uncovering effects of antibiotics on the host and microbiota using transkingdom gene networks

Impairment of innate immune killing mechanisms by bacteriostatic antibiotics

Mechanisms of action of newer antibiotics for Gram-positive pathogens

Antagonism between Bacteriostatic and Bactericidal Antibiotics Is Prevalent
Reactive oxygen species and the bacterial response to lethal stress
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4254325/

Concentration-dependent activity of antibiotics in natural environments
[HTML] Concentration-dependent activity of antibiotics in natural environments

Mechanisms of bacterial persistence during stress and antibiotic exposure
Mechanisms of bacterial persistence during stress and antibiotic exposure

Bactericidal Antibiotics Induce Mitochondrial Dysfunction and Oxidative Damage in Mammalian Cells
Bactericidal antibiotics induce mitochondrial dysfunction and oxidative damage in mammalian cells

Antibiotics that target mitochondria effectively eradicate cancer stem cells, across multiple tumor types: Treating cancer like an infectious disease
[HTML] Antibiotics that target mitochondria effectively eradicate cancer stem cells, across multiple tumor types: treating cancer like an infectious disease

Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment
[HTML] Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment
Antibiotic Overusage Causes Mitochondrial Dysfunction Which May Promote Tumorigenesis

Antibiotics induce redox-related physiological alterations as part of their lethality

Impact of antibiotics on the microcirculation in local and systemic inflammation

Eradication of bacterial persisters with antibiotic-generated hydroxyl radicals

Bacterial Responses and Genome Instability Induced by Subinhibitory Concentrations of Antibiotics

Persistent bacterial infections, antibiotic tolerance, and the oxidative stress response

Bacterial stress responses as determinants of antimicrobial resistance

Ribosome-targeting antibiotics and mechanisms of bacterial resistance
Evidence That Antibiotics Bind to Human Mitochondrial Ribosomal RNA Has Implications for Aminoglycoside Toxicity.
Evidence that antibiotics bind to human mitochondrial ribosomal RNA has implications for aminoglycoside toxicity

Methicillin-resistant Staphylococcus aureus Bacterial Nitric-oxide Synthase Affects Antibiotic Sensitivity and Skin Abscess Development
Methicillin-resistant Staphylococcus aureus bacterial nitric-oxide synthase affects antibiotic sensitivity and skin abscess development

Effect of Ampicillin, Streptomycin, Penicillin and Tetracycline on Metal Resistant and Non-Resistant Staphylococcus aureus
[HTML] Effect of ampicillin, streptomycin, penicillin and tetracycline on metal resistant and non-resistant Staphylococcus aureus

Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research
[HTML] Tetracyclines disturb mitochondrial function across eukaryotic models: a call for caution in biomedical research

Persistence of Neisseria gonorrhoeae DNA Following Treatment for Pharyngeal and Rectal Gonorrhea Is Influenced by Antibiotic Susceptibility and Reinfection
Persistence of Neisseria gonorrhoeae DNA Following Treatment for Pharyngeal and Rectal Gonorrhea Is Influenced by Antibiotic Susceptibility and ...

Drug Resistance-Associated Mutations in Mycoplasma genitalium in Female Sex Workers, Japan
[HTML] Drug Resistance-Associated Mutations in Mycoplasma genitalium in Female Sex Workers, Japan
Prevalence and risk factors for methicillin-resistant *Staphylococcus aureus* in an HIV-positive cohort

Rapid, Sensitive, and Accurate Evaluation of Drug Resistant Mutant (NS5A-Y93H) Strain Frequency in Genotype 1b HCV by Invader Assay (Hepatitis C)

Antimicrobial strategies centred around reactive oxygen Species – bactericidal antibiotics, photodynamic therapy, and beyond

Antibiotic residues in food: the African scenario

Molecular Detection of Antibiotic Resistance in South African Isolates of Helicobacter pylori

Antibiotic susceptibilities and resistance genes of *Ureaplasma parvum* isolated in South Africa
Antibiotic Susceptibilities of Enterococcus Species Isolated from Hospital and Domestic Wastewater Effluents in Alice, Eastern Cape Province of South Africa

Detection of Anorectal and Cervicovaginal Chlamydia Trachomatis Infections following Azithromycin Treatment: Prospective Cohort Study with Multiple Time-Sequential Measures of rRNA, DNA, Quantitative Load and Symptoms

Antimicrobial Resistance and Virulence: a Successful or Deleterious Association in the Bacterial World?

Antibiotic resistance in prevalent bacterial and protozoan sexually transmitted infections

Antibiotic Susceptibility and Sequence Type Distribution of Ureaplasma Species Isolated from Genital Samples in Switzerland
Antibiotics usage in food producing animals in South Africa and impact on human: Antibiotic resistance

The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria

Antibiotic resistance—the need for global solutions

High Rates of Antimicrobial Drug Resistance Gene Acquisition after International Travel, the Netherlands

Antimicrobial resistance; Global report on surveillance

Antibiotic Susceptibility Patterns of Uropathogens in Obstetric Patients

Emergence of a new antibiotic resistance mechanism in India, Pakistan, and the UK: a molecular, biological, and epidemiological study
Antibiotic resistance profiles and relatedness of enteric bacterial pathogens isolated from HIV/AIDS patients with and without diarrhoea and their household drinking water in rural communities in Limpopo Province South Africa

Effect of Trimethoprim-Sulfamethoxazole Prophylaxis on Antimicrobial Resistance of Fecal *Escherichia coli* in HIV-Infected Patients in Tanzania

Azithromycin resistance in *Treponema pallidum*

Antibiotic resistance among pathogens causing disease in Jamaican children with HIV/AIDS

Empiric Use of Trimethoprim-Sulfamethoxazole (TMP-SMX) in the Treatment of Women with Uncomplicated Urinary Tract Infections, in a Geographical Area with a High Prevalence of TMP-SMX-Resistant Uropathogens

Frequency of Antibiotic Resistance among Group B *Streptococcus* Isolated from Healthy College Students
Resistance of Group B Streptococcus to Selected Antibiotics, Including Erythromycin and Clindamycin
Resistance of group B streptococcus to selected antibiotics, including erythromycin and clindamycin

Antibiotic Resistance in *Neisseria gonorrhoeae*
Antibiotic resistance in *Neisseria gonorrhoeae*

Antibiotics, microbiota, and immune defence
Antibiotics, microbiota, and immune defense

Antibiotic resistance shaping multi-level population biology of bacteria

Friend Turned Foe: Evolution of Enterococcal Virulence and Antibiotic Resistance
Friend turned foe: evolution of enterococcal virulence and antibiotic resistance

Antibiotic resistance breakers: can repurposed drugs fill the antibiotic discovery void?
Antibiotic resistance breakers: can repurposed drugs fill the antibiotic discovery void?

Prevalence of vancomycin resistant *Enterococci* and associated risk factors among clients with and without HIV in Northwest Ethiopia: a cross-sectional study
[PDF] Prevalence of vancomycin resistant Enterococci and associated risk factors among clients with and without HIV in Northwest Ethiopia: a cross-sectional study
Antimicrobial drug resistance among clinically relevant bacterial isolates in sub-Saharan Africa: a systematic review

Genotyping of Multidrug -Resistant Strains of Mycobacterium Tuberculosis in the Limpopo Province

Enteric dysbiosis promotes antibiotic-resistant bacterial infection: systemic dissemination of resistant and commensal bacteria through epithelial transcytosis

The impact of intestinal inflammation on the nutritional environment of the gut microbiota.

Oxidative Stress: An Essential Factor in the Pathogenesis of Gastrointestinal Mucosal Diseases

Effector and Memory T cell Responses to Commensal Bacteria
Control of Pathogens and Pathobionts by the Gut Microbiota

Control of pathogens and pathobionts by the gut microbiota

Host-microbe interactions shaping the gastrointestinal environment

http://europepmc.org/articles/pmc4253298

Microbial translocation is a cause of systemic immune activation in chronic HIV infection

Microbial translocation is a cause of systemic immune activation in chronic HIV infection

Dual role of commensal bacteria in viral infections

Dual role of commensal bacteria in viral infections

Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection

[HTML] Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection

Microbial translocation, immune activation and HIV disease

Microbial translocation, immune activation, and HIV disease

Unravelling the relationship between microbial translocation and systemic immune activation in HIV infection
Unraveling the relationship between microbial translocation and systemic immune activation in HIV infection

Microbial translocation in the pathogenesis of HIV infection and AIDS

Dysbiosis of the gut microbiota is associated with HIV disease progression and tryptophan catabolism

Inflammatory properties of antibiotic-treated bacteria

Signals from the gut microbiota to distant organs in physiology and disease

Commensal microbiome promotes resistance to local and systemic infections

Anatomical localization of commensal bacteria in immune cell homeostasis and disease

Starring role of toll-like receptor-4 activation in the gut-liver axis
The impact of intestinal inflammation on the nutritional environment of the gut microbiota

Inflammatory properties of antibiotic-treated bacteria

The role of the microbial metabolites including tryptophan catabolites and short chain fatty acids in the pathophysiology of immune-inflammatory and neuroimmune...

Specialized Metabolites from the Microbiome in Health and Disease

Host resistance to an intragastric infection with Listeria monocytogenes in mice depends on cellular immunity and intestinal bacterial flora.

Role of the Microbiota in Immunity and Inflammation

Antibiotic-induced imbalances in gut microbiota aggravates cholesterol accumulation and liver injuries in rats fed a high-cholesterol diet
Chemical conversations in the gut microbiota

Commensal bacteria at the interface of host metabolism and the immune system

Gut microbiota disturbance during antibiotic therapy: a multi-omic approach

Microbial and dietary factors modulating intestinal regulatory T cell homeostasis

Gut microbiota and host metabolism in liver cirrhosis

Acquired Antibiotic Resistance: Are We Born with It?

Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition

Intestinal epithelial cells: regulators of barrier function and immune homeostasis
Antibiotics and the gut microbiota

Subcellular mechanisms involved in apoptosis induced by aminoglycoside antibiotics: Insights on p53, proteasome and endoplasmic reticulum

The effects of antibiotics on the microbiome throughout development and alternative approaches for therapeutic modulation

Adverse Effects of Antimicrobials via Predictable or Idiosyncratic Inhibition of Host Mitochondrial Components

Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research

Fluoroquinolone-Induced Tendinopathy: Etiology and Preventive Measures

Antibiotic resistance—the need for global solutions
Antibiotics, microbiota, and immune defense

Mini-review: biofilm responses to oxidative stress

Clinical relevance of bacteriostatic versus bactericidal mechanisms of action in the treatment of Gram-positive bacterial infections

Host cell autophagy activated by antibiotics is required for their effective antimycobacterial drug action

Role of anaerobic flora in the translocation of aerobic and facultatively anaerobic intestinal bacteria.

Antibiotic resistance, antimicrobial residues and bacterial community composition in urban wastewater

Antibiotic regimens and intestinal colonization with antibiotic-resistant gram-negative bacilli
Multidrug resistance: an emerging crisis

Antimicrobial resistance determinants in antibiotic and biocide-resistant gram-negative bacteria from organic foods

Multiplex real-time PCR assay with high-resolution melting analysis for characterization of antimicrobial resistance in Neisseria gonorrhoeae

Antimicrobial resistance in the food chain: a review

Oxidative stress and antibiotic resistance in bacterial pathogens: state of the art, methodologies, and future trends

Antimicrobial resistance and virulence: a successful or deleterious association in the bacterial world?

Methicillin-resistant Staphylococcus aureus Bacterial Nitric-oxide Synthase Affects Antibiotic Sensitivity and Skin Abscess Development
Early impairment of gut function and gut flora supporting a role for alteration of gastrointestinal mucosa in human immunodeficiency virus pathogenesis

Antibiotic resistance profiles and relatedness of enteric bacterial pathogens isolated from HIV/AIDS patients with and without diarrhoea and their household drinking water in rural communities in Limpopo Province South Africa

Effect of Trimethoprim-Sulfamethoxazole Prophylaxis on Antimicrobial Resistance of Fecal Escherichia coli in HIV-Infected Patients in Tanzania

Antibiotic resistance among pathogens causing disease in Jamaican children with HIV/AIDS

Frequency of Antibiotic Resistance among Group B Streptococcus Isolated from Healthy College Students
Prevalence of Urinary Tract Infections among a cohort of HIV Positive Patients accessing care in a rural health centre in Nigeria

Antibiotic resistance of *Gardnerella vaginalis* in recurrent bacterial vaginosis

Prevalence and Mechanisms of Macrolide Resistance in Invasive and Noninvasive Group B Streptococcus Isolates from Ontario, Canada

Increasing Antimicrobial Resistance and the Management of Uncomplicated Community-Acquired Urinary Tract Infections

Trends in Incidence and Antimicrobial Resistance of Early-Onset Sepsis: Population-Based Surveillance in San Francisco and Atlanta

Incomplete recovery and individualized responses of the human distal gut microbiota to repeated antibiotic perturbation
Antibiotic resistance among *Listeria*, including *Listeria monocytogenes*, in retail foods

Antibiotic resistance in pathogens causing community-acquired urinary tract infections in India: a multicenter study

Antibiotic Susceptibility and Mechanisms of Erythromycin Resistance in Clinical Isolates of *Streptococcus agalactiae*: French Multicenter Study

Resistance of group B streptococcus to selected antibiotics, including erythromycin and clindamycin

Outwitting Evolution: Fighting Drug-Resistant TB, Malaria, and HIV

Antibiotic resistance shaping multi-level population biology of bacteria
Antibiotic resistance in prevalent bacterial and protozoan sexually transmitted infections
[HTML] Antibiotic resistance in prevalent bacterial and protozoan sexually transmitted infections

Antibiotics induce redox-related physiological alterations as part of their lethality
Antibiotics induce redox-related physiological alterations as part of their lethality

Microbiological effects of sublethal levels of antibiotics
Microbiological effects of sublethal levels of antibiotics

Fecal Bacterial Communities in treated HIV infected individuals on two antiretroviral regimens
[HTML] Fecal Bacterial Communities in treated HIV infected individuals on two antiretroviral regimens

Bacterial Persister Cell Formation and Dormancy
Bacterial persister cell formation and dormancy

Unraveling the Physiological Complexities of Antibiotic Lethality
Unraveling the physiological complexities of antibiotic lethality

Bactericidal Antibiotics Induce Toxic Metabolic Perturbations that Lead to Cellular Damage
[HTML] Bactericidal antibiotics induce toxic metabolic perturbations that lead to cellular damage

HEPATOTOXICITY INDUCED BY ANTIBIOTICS IN EXPERIMENTAL ANIMALS
[PDF] Hepatotoxicity induced by antibiotics in experimental animals
Antibiotics induce redox-related physiological alterations as part of their lethality

Eradication of bacterial persisters with antibiotic-generated hydroxyl radicals

Bacterial Responses and Genome Instability Induced by Subinhibitory Concentrations of Antibiotics

Persistent bacterial infections, antibiotic tolerance, and the oxidative stress response

Epidemiology of Nontuberculous Mycobacterial Infections and Associated Chronic Macrolide Use among Persons with Cystic Fibrosis

Antimicrobial strategies centred around reactive oxygen species - bactericidal antibiotics, photodynamic therapy, and beyond

The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria
The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria

Antibiotic resistance, antimicrobial residues and bacterial community composition in urban wastewater

High Rates of Antimicrobial Drug Resistance Gene Acquisition after International Travel, the Netherlands

Antibiotic resistance profiles and relatedness of enteric bacterial pathogens isolated from HIV/AIDS patients with and without diarrhoea and their household drinking water in rural communities in Limpopo Province South Africa

Effect of Trimethoprim-Sulfamethoxazole Prophylaxis on Antimicrobial Resistance of Fecal Escherichia coli in HIV-Infected Patients in Tanzania

Azithromycin resistance in Treponema pallidum

Increasing Antimicrobial Resistance and the Management of Uncomplicated Community-Acquired Urinary Tract Infections
Increasing antimicrobial resistance and the management of uncomplicated community-acquired urinary tract infections

Are children carrying the burden of broad-spectrum antibiotics in general practice? Prescription pattern for paediatric outpatients with respiratory tract infections in Norway

Are children carrying the burden of broad-spectrum antibiotics in general practice? Prescription pattern for paediatric outpatients with respiratory tract infections in ...

Macrolide Resistance and Azithromycin Failure in a Mycoplasma genitalium - Infected Cohort and Response of Azithromycin Failures to Alternative Antibiotic Regimens

[HTML] Macrolide Resistance and Azithromycin Failure in a *Mycoplasma genitalium*-Infected Cohort and Response of Azithromycin Failures to Alternative ...

Antibiotic prescribing for adults in ambulatory care in the USA, 2007-09

[HTML] Antibiotic prescribing for adults in ambulatory care in the USA, 2007-09

Turning the tide or riding the waves? Impacts of antibiotic stewardship and infection control on MRSA strain dynamics in a Scottish region over 16 years: non-linear time series analysis

Turning the tide or riding the waves? Impacts of antibiotic stewardship and infection control on MRSA strain dynamics in a Scottish region over 16 years: non-linear ...

High levels of macrolide resistance-associated mutations in *Mycoplasma genitalium* warrant antibiotic susceptibility-guided treatment

[HTML] High levels of macrolide resistance-associated mutations in *Mycoplasma genitalium* warrant antibiotic susceptibility-guided treatment
Drug Resistance Mechanisms of Mycoplasma pneumoniae to Macrolide Antibiotics
Drug resistance mechanisms of Mycoplasma pneumoniae to macrolide

High prevalence of antibiotic resistant Mycoplasma genitalium in non-gonococcal urethritis: the need for routine testing and the inadequacy of current treatment options

Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children
[HTML] Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children

Diverse and abundant antibiotic resistance genes in Chinese swine farms
Diverse and abundant antibiotic resistance genes in Chinese swine farms

Mycoplasma genitalium Prevalence, Coinfection, and Macrolide Antibiotic Resistance Frequency in a Multicenter Clinical Study Cohort in the United States
Mycoplasma genitalium prevalence, coinfection, and macrolide antibiotic resistance frequency in a multicenter clinical study cohort in the United States

Correlation of tetracycline and sulfonamide antibiotics with corresponding resistance genes and resistant bacteria in a conventional municipal wastewater treatment plant
Correlation of tetracycline and sulfonamide antibiotics with corresponding

High prevalence of azithromycin resistance to
Treponema pallidum in geographically different areas in China
[HTML] High prevalence of azithromycin resistance to Treponema pallidum in geographically different areas in China

A comprehensive evaluation of antibiotics emission and fate in the river basins of China: Source analysis, multimedia modelling, and linkage to bacterial resistance
Comprehensive evaluation of antibiotics emission and fate in the river basins of

Characteristics of hospitalized children infected with macrolide-resistant *Mycoplasma pneumoniae*
[HTML] Characteristics of hospitalized children infected with macrolide-resistant *Mycoplasma pneumoniae*

Effects of national antibiotic stewardship and infection control strategies on hospital-associated and community-associated meticillin-resistant *Staphylococcus aureus* infections across a region of Scotland: a non-linear time-series study
[HTML] Characteristics of hospitalized children infected with macrolide-resistant *Mycoplasma pneumoniae*

The Scourge of Antibiotic Resistance: The Important Role of the Environment
The scourge of antibiotic resistance: the important role of the environment

Antimicrobial resistance determinants in antibiotic and biocide-resistant gram-negative bacteria from organic foods
Antimicrobial resistance determinants in antibiotic and biocide-resistant gram-negative bacteria from organic foods

Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment

Mechanisms of action of systemic antibiotics used in periodontal treatment and mechanisms of bacterial resistance to these drugs

Azithromycin-Resistant Syphilis-Causing Strains in Sydney, Australia: Prevalence and Risk Factors

Chloramphenicol causes mitochondrial stress, decreases ATP biosynthesis, induces matrix metalloproteinase-13 expression, and solid-tumor cell invasion

Two Mutations associated with Macrolide Resistance in Treponema pallidum: Increasing Prevalence and Correlation with Molecular Strain Type in Seattle, Washington
Meta-Analysis of the Adverse Effects of Long-Term Azithromycin Use in Patients with Chronic Lung Diseases

Meta-analysis of the adverse effects of long-term azithromycin use in patients with chronic lung diseases

Prevalence and Macrolide Resistance of Mycoplasma genitalium in South African Women

Prevalence and macrolide resistance of Mycoplasma genitalium in South African women

Molecular Detection of Antibiotic Resistance in South African Isolates of Helicobacter pylori

Molecular detection of antibiotic resistance in South African isolates of Helicobacter pylori

Antibiotic susceptibilities and resistance genes of Ureaplasma parvum isolated in South Africa

Antibiotic susceptibilities and resistance genes of Ureaplasma parvum isolated in South Africa

Antibiotic Susceptibilities of Enterococcus Species Isolated from Hospital and Domestic Wastewater Effluents in Alice, Eastern Cape Province of South Africa

Antibiotic susceptibilities of Enterococcus species isolated from hospital and domestic wastewater effluents in Alice, eastern Cape Province of South Africa

Antibiotic Susceptibility and Sequence Type Distribution of Ureaplasma Species Isolated from Genital Samples in Switzerland

Antibiotic susceptibility and sequence type distribution of Ureaplasma species isolated from genital samples in Switzerland
Antibiotics usage in food producing animals in South Africa and impact on human: Antibiotic resistance

Prevalence and drug resistance of mycobacteria in Turkish cystic fibrosis patients

Antimicrobial Resistance and Virulence: a Successful or Deleterious Association in the Bacterial World?

Azithromycin Resistance Is Coevolving with Reduced Susceptibility to Cephalosporins in Neisseria gonorrhoeae in Ontario, Canada

Immunomodulatory Role of Clarithromycin in Acinetobacter baumannii Infection via Formation of Neutrophil Extracellular Traps

Pathogen- and Host-Directed Anti-Inflammatory Activities of Macrolide Antibiotics
Nonantibiotic Effects of Fluoroquinolones in Mammalian Cells
Nonantibiotic effects of fluoroquinolones in mammalian cells

Reduced Airway Surface pH Impairs Bacterial Killing in the Porcine Cystic Fibrosis Lung
Reduced airway surface pH impairs bacterial killing in the porcine cystic fibrosis lung

Carbapenem-resistant Enterobacteriaceae: a review of treatment and outcomes
Carbapenem-resistant Enterobacteriaceae: a review of treatment and outcomes

Toxicity of macrolide antibiotics on isolated heart mitochondria: a justification for their cardiotoxic adverse effect
Toxicity of macrolide antibiotics on isolated heart mitochondria: a justification for their cardiotoxic adverse effect

Linezolid Trough Concentrations Correlate with Mitochondrial Toxicity-Related Adverse Events in the Treatment of Chronic Extensively Drug-Resistant Tuberculosis
Linezolid trough concentrations correlate with mitochondrial toxicity-related adverse events in the treatment of chronic extensively drug-resistant tuberculosis

Fluoroquinolone-related neuropsychiatric and mitochondrial toxicity: a collaborative investigation by scientists and members of a social network.
Fluoroquinolone-related neuropsychiatric and mitochondrial toxicity: a collaborative investigation by scientists and members of a social network.
Linezolid, vancomycin and daptomycin modulate cytokine production, Toll-like receptors and phagocytosis in a human *in vitro* model of sepsis

Impairment of innate immune killing mechanisms by bacteriostatic antibiotics

Mechanisms of action of newer antibiotics for Gram-positive pathogens

Concentration-dependent activity of antibiotics in natural environments

Antibiotic resistance via the food chain: Fact or fiction?

Antibiotic resistance in the food chain: a developing country-perspective

Antibiotic Bactericidal Activity Is Countered by Maintaining pH Homeostasis in *Mycobacterium smegmatis*
Cell death from antibiotics without the involvement of reactive oxygen species

Molecular mechanisms of antimicrobial tolerance and resistance in bacterial and fungal biofilms

The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria

Emergence of a new antibiotic resistance mechanism in India, Pakistan, and the UK: a molecular, biological, and epidemiological study

Foundations of antibiotic resistance in bacterial physiology: the mycobacterial paradigm

Antibiotic resistance and its cost: is it possible to reverse resistance?

Mycobacterium abscessus: a new antibiotic nightmare
Persistent bacterial infections, antibiotic tolerance, and the oxidative stress response

Effectors and memory T cell responses to commensal bacteria

Effects of clindamycin and metronidazole on the intestinal colonization and translocation of enterococci in mice.

The impact of intestinal inflammation on the nutritional environment of the gut microbiota

Effects of co-trimoxazole on microbial translocation in HIV-1-infected patients initiating antiretroviral therapy

Immune activation is associated with increased gut microbial translocation in treatment-naive, HIV-infected children in a resource-limited setting

High colonization rates of extended-spectrum β-lactamase (ESBL)-producing Escherichia coli in
Swiss Travellers to South Asia—a prospective observational study

High colonization rates of extended-spectrum β-lactamase (ESBL)-producing Escherichia coli in Swiss Travellers to South Asia—a prospective observational study

Antibiotic susceptibility of mammalian mitochondrial translation

Antimicrobial resistance of abnormal vaginal discharges microorganisms in Ouagadougou, Burkina Faso

Role of reactive oxygen species in antibiotic action and resistance

The common enteric bacterial pathogens and their antimicrobial susceptibility pattern among HIV-infected individuals attending the antiretroviral therapy clinic...
Antibiotic resistance in Chlamydiae

Increased frequency of regulatory T cells and T lymphocyte activation in persons with previously treated extrapulmonary tuberculosis

Effect of trimethoprim-sulphamethoxazole on the risk of malaria in HIV-infected Ugandan children living in an area of widespread antifolate resistance

Balancing individual benefit against public health risk: the impact of cotrimoxazole prophylaxis in HIV-infected patients on antimicrobial resistance

Azithromycin blocks autophagy and may predispose cystic fibrosis patients to mycobacterial infection

Multiple Mutations Modulate the Function of Dihydrofolate Reductase in Trimethoprim-Resistant Streptococcus pneumoniae
Antibiotic resistant bacteria/genes dissemination in lacustrine sediments highly increased following cultural eutrophication of Lake Geneva (Switzerland)

Intestinal epithelial cells: regulators of barrier function and immune homeostasis

T-cells, Th17 cells Invariant T-cells (Inkt) and Mucosa associated invariant T-cells (MAIT)
Mucosal associated invariant T cells: a new player in antibacterial immunity
[PDF] Mucosal-associated invariant T-cells: new players in anti-bacterial immunity

Specific microbiota direct the differentiation of IL-17-producing T-helper cells in the mucosa of the small intestine
[HTML] Specific microbiota direct the differentiation of IL-17-producing T-helper cells in the mucosa of the small intestine

HIV nonprogressors preferentially maintain highly functional HIV-specific CD8⁺ T cells
[HTML] HIV nonprogressors preferentially maintain highly functional HIV-specific CD8⁺ T cells

Th17, gut, and HIV: therapeutic implications
[HTML] Th17, gut, and HIV: therapeutic implications

Th17 and regulatory T cells: implications for AIDS pathogenesis
[HTML] Th17 and regulatory T cells: implications for AIDS pathogenesis

Stress-associated reductions of cytotoxic T lymphocytes and natural killer cells in asymptomatic HIV infection
[PDF] Stress-associated reductions of cytotoxic T lymphocytes and natural killer cells in asymptomatic HIV infection

Glutathione levels in antigen-presenting cells modulate Th1 versus Th2 response patterns
Glutathione levels in antigen-presenting cells modulate Th1 versus Th2 response patterns
Association of progressive CD4+ T cell decline in SIV infection with the induction of autoreactive antibodies

Commensal-induced regulatory T cells mediate protection against pathogen-stimulated NF-κB activation

Mucosa-Associated Invariant T Cells Are Systemically Depleted in Simian Immunodeficiency Virus-Infected Rhesus Macaques

MAIT cells reside in the female genital mucosa and are biased towards IL-17 and IL-22 production in response to bacterial stimulation

MAIT cells and microbial immunity
MAIT cells and Viruses

Functional role of mucosal-associated invariant T cells in HIV infection

Mucosal-associated invariant T cells in the human gastric mucosa and blood: role in Helicobacter pylori infection

Activation, exhaustion, and persistent decline of the antimicrobial MR1-restricted MAIT-cell population in chronic HIV-1 infection

Activation and function of iNKT and MAIT cells

MAIT cells are critical for optimal mucosal immune responses during in vivo pulmonary bacterial infection

Human mucosal associated invariant T cells detect bacterially infected cells
Low levels of peripheral CD161++ CD8+ mucosal associated invariant T (MAIT) cells are found in HIV and HIV/TB co-infection

Human mucosal associated invariant T cells detect bacterially infected cells

MAIT cells are depleted early but retain functional cytokine expression in HIV infection

Metabolic control of regulatory T cell development and function

MAIT cells: new guardians of the liver

Frequencies of circulating MAIT cells are diminished in chronic HCV, HIV and HCV/HIV co-infection and do not recover during therapy
Increased tryptophan catabolism is associated with increased frequency of CD161+ Tc17/MAIT cells and lower CD4+ T-cell count in HIV-1 infected patients on cART...

HIV-infected children have lower frequencies of CD8+ mucosal-associated invariant T (MAIT) cells that correlate with innate, Th17 and Th22 cell subsets

Mucosal associated invariant T cells: a new player in antibacterial immunity

Nonreversible MAIT cell-dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy

Will loss of your MAITs weaken your HAART?

Activation and function of iNKT and MAIT cells

Early and nonreversible decrease of CD161++/MAIT cells in HIV infection
Nonreversible MAIT cell-dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy

MAIT cells: new guardians of the liver

Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection

The role of mucosal-associated invariant T cells in infectious diseases

CD161+ MAIT cells are severely reduced in peripheral blood and lymph nodes of HIV-infected individuals independently of disease progression

Functional role of mucosal-associated invariant T cells in HIV infection

Mucosal associated invariant T cells: a new player in antibacterial immunity
Gut dendritic cell activation links an altered colonic microbiome to mucosal and systemic T-cell activation in untreated HIV-1 infection

Innate Lymphoid Cells in HIV/SIV Infections

MAIT cells reside in the female genital mucosa and are biased towards IL-17 and IL-22 production in response to bacterial stimulation

Mucosa-Associated Invariant T Cells Are Systemically Depleted in Simian Immunodeficiency Virus-Infected Rhesus Macaques

Increased tryptophan catabolism is associated with increased frequency of CD161+ Tc17/MAIT cells and lower CD4+ T-cell count in HIV-1 infected patients on cART...

Frequencies of circulating MAIT cells are diminished in chronic HCV, HIV and HCV/HIV co-infection and do not recover during therapy
IL-17 Production from T helper 17, Mucosal-associated invariant T, and γδ cells in Tuberculosis infection and Disease

Mucosal associated invariant T cells: a new player in antibacterial immunity

Cutting edge: experimentally induced immune activation in natural hosts of simian immunodeficiency virus induces significant increases in viral replication and CD4+ ...

Modulation of apoptosis and viral latency—an axis to be well understood for successful cure of human immunodeficiency virus

The role of mucosal associated invariant T cells in antimicrobial immunity

Understanding Immune Senescence, Exhaustion, and Immune Activation in HIV-Tuberculosis Coinfection
Early and nonreversible decrease of CD161++/MAIT cells in HIV infection

CD8+/CD161++ mucosal-associated invariant T-cell levels in the colon are restored on long-term antiretroviral therapy and correlate with CD8+ T-cell immune...

Glucose metabolism regulates T cell activation, differentiation, and functions

Gut dendritic cell activation links an altered colonic microbiome to mucosal and systemic T-cell activation in untreated HIV-1 infection

Metabolic control of regulatory T cell development and function

Dendritic cell metabolism
Vitamin D Synthase and Vitamin D Receptors

Vitamin D inhibits human immunodeficiency virus type 1 and Mycobacterium tuberculosis infection in macrophages through the induction of autophagy

High-dose vitamin D3 reduces deficiency caused by low UVB exposure and limits HIV-1 replication in urban Southern Africans

Vitamin D3 enhances bactericidal activity of macrophage against Pseudomonas aeruginosa
Active vitamin D potentiates the anti-neoplastic effects of calcium in the colon: A cross talk through the calcium-sensing receptor

Vitamin D for Health: A Global Perspective

Vitamin D and Immune Function

The possible roles of vitamin D and curcumin in treating gonorrhoea

Vitamin D, immune regulation, the microbiota, and inflammatory bowel disease

Vitamin D Inhibits Human Immunodeficiency Virus Type 1 and Mycobacterium tuberculosis Infection in Macrophages through the Induction of Autophagy

Vitamin D and solar ultraviolet radiation in the risk and treatment of tuberculosis
The vitamin D receptor and T cell function

The impact of vitamin D on infectious disease: a systematic review of controlled trials

Vitamin D regulation of immune function in the gut: Why do T cells have vitamin D receptors?
Vitamin D regulation of immune function in the gut: why do T cells have vitamin D receptors?

Vitamin D and immune function: Autocrine, paracrine or endocrine?
Vitamin D and immune function: autocrine, paracrine or endocrine?

Vitamin D₃ Supplementation and Antibiotic Consumption – Results from a Prospective, Observational Study at an Immune-Deficiency Unit in Sweden
[HTML] Vitamin D3 Supplementation and Antibiotic Consumption–Results from a Prospective, Observational Study at an Immune-Deficiency Unit in Sweden

Lack of Vitamin D Receptor Causes Dysbiosis and Changes the Functions of the Murine Intestinal Microbiome
Lack of vitamin D receptor causes dysbiosis and changes the functions of the murine intestinal microbiome

The potential role of vitamin D for prevention and treatment of tuberculosis and infectious diseases
The potential role of vitamin D for prevention and treatment of tuberculosis and infectious diseases
Influence of drugs on vitamin D and calcium metabolism

Microbial and dietary factors modulating intestinal regulatory T cell homeostasis

Vitamin D Status in Children with Cystic Fibrosis. Associations with Inflammation and Bacterial Colonization

Vitamin Deficiency and Tuberculosis: Need for Urgent Clinical Trial for Management of Tuberculosis

Anti-Inflammatory and Antimicrobial Actions of Vitamin D in Combating TB/HIV

Vitamin D Deficiency: "At Risk" Patient Populations and Potential Drug Interactions
Dysbiosis caused by vitamin D receptor deficiency confers colonization resistance to *Citrobacter rodentium* through modulation of innate lymphoid cells

Vitamin D and Prolonged Treatment with Photosensitivity-Associated Antibiotics

The Role of Vitamin D in Autoimmune Hepatitis

Early life permethrin exposure leads to hypervitaminosis D, nitric oxide and catecholamines impairment

The vitamin D receptor and T cell function

Vitamin D immunoregulation through dendritic cells
Heavy Metals, Toxins, Pesticides and Malnutrition

Fish consumption and breast milk PCB concentrations among Mohawk women at Akwesasne

The syndemic of AIDS and STDS among MSM

HIV, Cardiovascular Diseases, and Chronic Arsenic Exposure co-exist in a Positive Synergy

Mechanisms of Nanoparticle-Induced Oxidative Stress and Toxicity

The Impact of Micronutrient Deficiencies in Agricultural Soils and Crops on the Nutritional Health of Humans
Toxic metals and oxidative stress part I: mechanisms involved in metal-induced oxidative damage

HAZARDOUS METALS AND MINERALS POLLUTION IN INDIA: SOURCES, TOXICITY AND MANAGEMENT

'ASIA'-autoimmune/inflammatory syndrome induced by adjuvants

Persistent organochlorinated pesticides and mechanisms of their toxicity

A Study of Heavy Metal Pollution in China: Current Status, Pollution-Control Policies and Countermeasures

Harmful Interactions of Non-Essential Heavy Metals with Cells of the Innate Immune System

EFFECTS OF ENVIRONMENTAL LEAD CONTAMINATION ON CATTLE IN A LEAD/ZINC MINING AREA: CHANGES IN CATTLE IMMUNE SYSTEMS ON EXPOSURE TO LEAD IN VIVO AND IN VITRO
Effects of environmental lead contamination on cattle in a lead/zinc mining area: changes in cattle immune systems on exposure to lead in vivo and in vitro

Ecotoxicology inside the gut: impact of heavy metals on the mouse microbiome
[PDF] Ecotoxicology inside the gut: impact of heavy metals on the mouse microbiome

Lead tolerance capacity of clinical bacterial isolates and change in their antibiotic susceptibility pattern after exposure to a heavy metal
Lead tolerance capacity of clinical bacterial isolates and change in their antibiotic susceptibility pattern after exposure to a heavy metal

Tight Junction Proteins and Oxidative Stress in Heavy Metals-Induced Nephrotoxicity
Tight junction proteins and oxidative stress in heavy metals-induced nephrotoxicity

Biomedical Implications of Heavy Metals Induced Imbalances in Redox Systems
Biomedical implications of heavy metals induced imbalances in redox systems

Effect of Ampicillin, Streptomycin, Penicillin and Tetracycline on Metal Resistant and Non-Resistant Staphylococcus aureus
[HTML] Effect of ampicillin, streptomycin, penicillin and tetracycline on metal resistant and non-resistant Staphylococcus aureus

Aluminum Vaccine Adjuvants: Are they Safe?
Aluminum vaccine adjuvants: are they safe?

Adjuvant modulation of the cytokine balance in Mycobacterium tuberculosis subunit vaccines; immunity, pathology and protection
[HTML] Adjuvant modulation of the cytokine balance in Mycobacterium tuberculosis subunit vaccines; immunity, pathology and protection
Aluminum and copper in drinking water enhance inflammatory or oxidative events specifically in the brain

Aluminum and Glyphosate Can Synergistically Induce Pineal Gland Pathology: Connection to Gut Dysbiosis and Neurological Disease

Aluminum-induced entropy in biological systems: implications for neurological disease

Low Mercury Concentration Produces Vasoconstriction, Decreases Nitric Oxide Bioavailability and Increases Oxidative Stress in Rat Conductance Artery

Recent Advances in Mercury Research

Effects of the metals on dihydropteridine reductase activity

Toxic metals and oxidative stress
Alterations in Energy/Redox Metabolism Induced by Mitochondrial and Environmental Toxins: A Specific Role for Glucose-6-Phosphate-Dehydrogenase and the Pentose Phosphate Pathway in Paraquat Toxicity

Particulate matter Air Pollution induces hypermethylation of the p16 promoter Via a mitochondrial ROS-JNK-DNMT1 pathway

Mechanisms of Nanoparticle-Induced Oxidative Stress and Toxicity

Current Levels of Heavy Metal Pollution in Africa

Glyphosate, pathways to modern diseases II: Celiac sprue and gluten intolerance

The role of environmental estrogens and autoimmunity

Impact of Endocrine Disruptions on Man: The likely Causes and Effects

Nutrition and HIV Infection/AIDS in Sub-Saharan Africa
Nutrition and HIV infection/AIDS in Sub-Saharan Africa

HIV/AIDS, undernutrition, and food insecurity
HIV/AIDS, undernutrition, and food insecurity

Nutrition and immune function: overview
Nutrition and immune function: overview

Immune Dysfunction as a Cause and Consequence of Malnutrition
[HTML] Immune dysfunction as a cause and consequence of malnutrition

Tryptophan depletion in context of the inflammatory and general nutritional status of a low-income South African HIV-infected population
[HTML] Tryptophan depletion in context of the inflammatory and general nutritional status of a low-income South African HIV-infected population

The impact of food assistance on weight gain and disease progression among HIV-infected individuals accessing AIDS care and treatment services in ...
[HTML] The impact of food assistance on weight gain and disease progression among HIV-infected individuals accessing AIDS care and treatment services in ...

Nutritional status of persons with HIV infection, persons with HIV infection and tuberculosis, and HIV-negative individuals from southern India
Nutritional status of persons with HIV infection, persons with HIV infection and tuberculosis, and HIV-negative individuals from southern India

The AIDS defining Infections and conditions
Infections in AIDS
Infections in AIDS.

Current concepts in bacterial sexually transmitted diseases
[HTML] Current concepts in bacterial sexually transmitted diseases

High incidence of new sexually transmitted infections in the year following a sexually transmitted infection: a case for rescreening
High incidence of new sexually transmitted infections in the year following a sexually transmitted infection: a case for rescreening

Heterosexual transmission of human immunodeficiency virus (HIV) in northern California: results from a ten-year study
Heterosexual transmission of human immunodeficiency virus (HIV) in northern California: results from a ten-year study

Pneumocystis carinii: oxygen uptake, antioxidant enzymes, and susceptibility to oxygen-mediated damage.
Pneumocystis carinii: oxygen uptake, antioxidant enzymes, and susceptibility to oxygen-mediated damage.

HSV-2 infection of dendritic cells amplifies a highly susceptible HIV-1 cell target
[HTML] HSV-2 infection of dendritic cells amplifies a highly susceptible HIV-1 cell target

Low serum vitamin B-12 concentrations are associated with faster human immunodeficiency virus type 1 (HIV-1) disease progression
Low serum vitamin B-12 concentrations are associated with faster human immunodeficiency virus type 1 (HIV-1) disease progression
The human immunodeficiency virus type 1 long terminal repeat is activated by monofunctional and bifunctional DNA alkylating agents in human lymphocytes

Impact of the 1987 Revision of the Case Definition of Acquired Immune Deficiency Syndrome in the United States


... Cell Responses to Coinfecting Viral and Bacterial Pathogens in the Genital Tract Can Activate the HIV-1 LTR in an NFκB-and AP-1-Dependent Manner

[HTML] ... Cell Responses to Coinfecting Viral and Bacterial Pathogens in the Genital Tract Can Activate the HIV-1 LTR in an NFκB-and AP-1-Dependent Manner
Cutting edge: in vivo induction of integrated HIV-1 expression by mycobacteria is critically dependent on Toll-like receptor 2

Effect of treating co-infections on HIV-1 viral load: a systematic review

Lipid-associated membrane proteins of *Mycoplasma fermentans* and *M. penetrans* activate human immunodeficiency virus long-terminal repeats through Toll-like ...

Sexually transmitted infections in HIV-infected people in Switzerland: cross-sectional study

*Cross-sectional study of genital, rectal, and pharyngeal Chlamydia and gonorrhea in women in rural South Africa*
Multiplex real-time PCR assay with high-resolution melting analysis for characterization of antimicrobial resistance in Neisseria gonorrhoeae

Immune Activation Is Present in HIV-1-Exposed Seronegative Individuals and Is Independent of Microbial Translocation

Impact of Bacterial Genetics on the Transmission of Isoniazid-Resistant Mycobacterium tuberculosis

Association of genital human papillomavirus infection with HIV acquisition: a systematic review and meta-analysis

High Risk for HIV Following Syphilis Diagnosis Among Men in Florida, 2000-2011

Use of PCR in the diagnosis of early syphilis in the United Kingdom

High HIV, HPV, and STI prevalence among young Western Cape, South African women: EVRI HIV prevention preparedness trial
High HIV, HPV, and STI prevalence among young Western Cape, South African women: EVRI HIV prevention preparedness trial

Burden and Predictors of HIV /Hepatitis B Co-infection in Rural Uganda

Epidemiology of human herpesvirus type 8 and parvovirus B19 infections and their association with HIV-1 among men who have sex with men and injection drug users in Taiwan

Changes in Plasma Human Immunodeficiency Virus Type 1 RNA Associated with Herpes Simplex Virus Reactivation and Suppression

HBV/HIV co-infection: The dynamics of HBV in South African patients with AIDS

HIV Through the Looking Glass: Insights Derived From Hepatitis B

HIV and viral hepatitis co-infection in New York City, 2000-2010: prevalence and case characteristics
GB Virus C/Hepatitis G Virus Infection: A Favorable Prognostic Factor in Human Immunodeficiency Virus - Infected Patients?
GB virus C/hepatitis G virus infection: a favorable prognostic factor in human immunodeficiency virus-infected patients?

Occult hepatitis B virus infection in ART-naive HIV-infected patients seen at a tertiary care centre in north India
[PDF] Occult hepatitis B virus infection in ART-naive HIV-infected patients seen at a tertiary care centre in north India

Hepatitis B virus and HIV infections among patients in Mulago hospital
Hepatitis B virus and HIV infections among patients in Mulago hospital

Differences in the incidence of hepatitis B and human immunodeficiency virus infections among injecting drug users
Differences in the incidence of hepatitis B and human immunodeficiency virus infections among injecting drug users

Recent Hepatitis C Virus Infections in HIV-Infected Patients in Taiwan: Incidence and Risk Factors
Recent hepatitis C virus infections in HIV-infected patients in Taiwan: incidence and risk factors

Associated factors with and genotypes of Chlamydia trachomatis infection among clients seeking voluntary counselling and testing for HIV infection in Taiwan
[HTML] Associated factors with and genotypes of Chlamydia trachomatis infection among clients seeking voluntary counseling and testing for HIV infection ...
Hepatitis B Virus (HBV) Coinfection Accelerates Immunologic Progression in Patients With Primary HIV Infection in an Area of Hyperendemicity for HBV Infection

Hepatitis B and C virus coinfection in the TREAT Asia HIV observational database

Sexually transmitted diseases and HIV-1 infection among homosexual men in England and Wales.

Sexually transmitted diseases and HIV-1 infection among homosexual men in England and Wales.

Seroincidence of HIV and prevalence of transmitted drug resistance of HIV-1 strains among persons seeking voluntary counselling and testing in Taiwan

Seroincidence of HIV and prevalence of transmitted drug resistance of HIV-1 strains among persons seeking voluntary counselling and testing in Taiwan

Seroprevalence of Hepatitis B Virus among Adults at High Risk for HIV Transmission Two Decades after Implementation of Nationwide Hepatitis B Virus Vaccination Program in Taiwan

Seroprevalence of hepatitis B virus among adults at high risk for HIV transmission two decades after implementation of nationwide hepatitis B virus ...

National Trend and Characteristics of Acute Hepatitis C among HIV-Infected Individuals: A Matched Case-Control Study—Taiwan, 2001–2014

National Trend and Characteristics of Acute Hepatitis C among HIV-Infected Individuals: A Matched Case-Control Study—Taiwan, 2001–2014

Comorbidities among the HIV-Infected Patients Aged 40 Years or Older in Taiwan
Sexually acquired hepatitis C virus infection: A review

Unexpectedly high prevalence of *Treponema pallidum* infection in the oral cavity of human immunodeficiency virus-infected patients with early syphilis who had engaged in unprotected sex practices

High and Persistent HIV Seroincidence in Men Who Have Sex with Men across 47 U.S. Cities

Mucosal co-infections and HIV-1 transmission and pathogenesis

Immune response and immunopathology during toxoplasmosis

**Human papillomavirus-associated anal and cervical cancers in HIV-infected individuals: incidence and prevention in the antiretroviral therapy era.**
Interplay between Kaposi's sarcoma-associated herpesvirus and the innate immune system

Short Report: Simultaneous Detection of Seven Sexually Transmitted Agents in Human Immunodeficiency Virus Infected Brazilian Women by Multiplex Polymerase Chain Reaction

Aetiology of sexually transmitted infections and response to syndromic treatment in southwest Uganda

Increasing prevalence of genital herpes in developing countries: implications for heterosexual HIV transmission and STI control Programmes

High rates of syphilis among STI patients are contributing to the spread of HIV-1 in India
Circumcision status and incident herpes simplex virus type 2 infection, genital ulcer disease, and HIV infection

Community-Based HIV-1 Early Diagnosis and Risk Behavior Analysis of Men Having Sex with Men in Hong Kong

A systematic review of the population prevalence of HIV and STD co-infection

Identification of Episomal Human Papillomavirus and Other DNA Viruses in Cytological Anal Samples of HIV-Uninfected Men Who Have Sex with Men

Condylomata, cytological abnormalities and human papillomavirus infection in the anal canal in HIV-infected men
First Evidence of Genetic Intraspecific Variability and Occurrence of Entamoeba gingivalis in HIV(+)/AIDS

Alcohol use, Mycoplasma genitalium and other STIs associated with HIV incidence among women at high risk in Kampala, Uganda

Strong impact of smoking on multimorbidity and cardiovascular risk among human immunodeficiency virus-infected individuals in comparison with the general ...

Risk for HIV following a diagnosis of syphilis, gonorrhoea or chlamydia:

Association between male circumcision and incidence of syphilis in men and women: a prospective study in HIV-1 serodiscordant heterosexual African couples
HIV-infected sex workers with beneficial HLA-variants are potential hubs for selection of HIV-1 recombinants that may affect disease progression

Syphilis and hepatitis B co-infection among HIV-infected, sex-trafficked women and girls, Nepal

Correlates of incident infections for HIV, syphilis, and hepatitis B virus in a cohort of men who have sex with men in Beijing

Transfusion-transmissible infections among blood donors in Kathmandu, Nepal

Associated factors with syphilis among human immunodeficiency virus-infected men who have sex with men in Taiwan in the era of combination antiretroviral therapy

Incident HSV-2 Infections Are Common Among HIV-1-discordant Couples
Association of genital human papillomavirus infection with HIV acquisition: a systematic review and meta-analysis

High HIV, HPV, and STI prevalence among young Western Cape, South African women: EVRI HIV prevention preparedness trial

Burden and Predictors of HIV /Hepatitis B Co-infection in Rural Uganda

How Does Herpes Simplex Virus Type 2 Influence Human Immunodeficiency Virus Infection and Pathogenesis?

Evidence of a large, international network of international hepatitis C virus transmission in HIV-positive men who have sex with men

Deciphering the epidemic synergy of herpes simplex virus type 2 (HSV-2) on human immunodeficiency virus type 1 (HIV-1) infection among women in sub-Saharan Africa
HIV Through the Looking Glass: Insights Derived From Hepatitis B
[H] HIV Through the Looking Glass: Insights Derived From Hepatitis B

Hepatitis B and C Co-Infection among HIV-Infected Adults while on Antiretroviral Treatment: Long-Term Survival, CD4 Cell Count Recovery and Antiretroviral Toxicity in Cambodia
HIV and viral hepatitis co-infection in New York City, 2000–2010: prevalence and case characteristics

Suppression of HBV by Tenofovir in HBV/HIV Coinfected Patients: A Systematic Review and Meta-Analysis
[HTML] Suppression of HBV by tenofovir in HBV/HIV coinfected patients: a systematic review and meta-analysis

Prevalence, drug-induced hepatotoxicity, and mortality among patients multi-infected with HIV, tuberculosis, and hepatitis virus
[HTML] Prevalence, drug-induced hepatotoxicity, and mortality among patients multi-infected with HIV, tuberculosis, and hepatitis virus

Usefulness of delayed hypersensitivity skin tests in HIV infected patients
[HTML] Usefulness of delayed hypersensitivity skin tests in HIV infected patients

Hormonal Contraceptives Differentially Suppress TFV and TAF Inhibition of HIV Infection and TFV-DP in Blood and Genital Tract CD4+ T cells
[HTML] Hormonal Contraceptives Differentially Suppress TFV and TAF Inhibition of HIV Infection and TFV-DP in Blood and Genital Tract CD4+ T cells
Genital Epstein Barr Virus is associated with higher prevalence and persistence of anal human papillomavirus in HIV-infected men on antiretroviral therapy

HPV infection in men

Epstein-Barr Virus–and Kaposi Sarcoma-Associated Herpesvirus-Related Malignancies in the Setting of Human Immunodeficiency Virus Infection

Travel-related health risks in moderately and severely immunocompromised patients: a case-control study

High colonization rates of extended-spectrum β-lactamase (ESBL)-producing Escherichia coli in Swiss Travellers to South Asia—a prospective observational study
Immune activation in Africa is environmentally-driven and is associated with upregulation of CCR5

Interplay between Kaposi's sarcoma-associated herpesvirus and the innate immune system

The role of platelet-activating factor in chronic inflammation, immune activation, and comorbidities associated with HIV infection

Haematological manifestations of human immune deficiency virus infection

Autoimmune diseases and HIV infection: a cross-sectional study

Infections in AIDS

Sexually transmitted infections among HIV-1-discordant couples
Pattern of co-infection by enteric pathogenic parasites among HIV sero-positive individuals in a Tertiary Care Hospital, Mumbai, India

The dynamics of bacteria population on the skin, throat, and gastrointestinal tract of HIV-seropositive patients
Tuberculosis, Antibiotic Resistance, Co-Infections

Culture-Confirmed Multidrug-Resistant Tuberculosis in Children: Clinical Features, Treatment, and Outcome
[HTML] Culture-confirmed multidrug-resistant tuberculosis in children: clinical features, treatment, and outcome

Cell-Autonomous Effector Mechanisms against *Mycobacterium tuberculosis*
[HTML] Cell-autonomous effector mechanisms against *Mycobacterium tuberculosis*

Insights into battles between *Mycobacterium tuberculosis* and macrophages
[HTML] Insights into battles between *Mycobacterium tuberculosis* and macrophages

National Survey of Drug-Resistant Tuberculosis in China
[HTML] National survey of drug-resistant tuberculosis in China

Genotyping of Multidrug – Resistant Strains of *Mycobacterium Tuberculosis* in the Limpopo Province
[HTML] Genotyping of multidrug-resistant strains of *mycobacterium tuberculosis* in the Limpopo Province

Microevolution of extensively drug-resistant tuberculosis in Russia
[HTML] Microevolution of extensively drug-resistant tuberculosis in Russia

Dissemination of multidrug-resistant tuberculosis in a patient with acute HIV infection
[HTML] Dissemination of multidrug-resistant tuberculosis in a patient with acute HIV infection
Emergence and Spread of Extensively and Totally Drug-Resistant Tuberculosis, South Africa
Emergence and spread of extensively and totally drug-resistant tuberculosis, South Africa

Microevolution of extensively drug-resistant tuberculosis in Russia
Microevolution of extensively drug-resistant tuberculosis in Russia

Anti-Tuberculosis Drug Resistance among New and Previously Treated Sputum Smear-Positive Tuberculosis Patients in Uganda: Results of the First National Survey
Anti-tuberculosis drug resistance among new and previously treated sputum smear-positive tuberculosis patients in Uganda: results of the first national survey

The impact of HIV exposure and maternal Mycobacterium tuberculosis infection on infant immune responses to bacilli Calmette-Guérin vaccination
The impact of HIV exposure and maternal Mycobacterium tuberculosis infection on infant immune responses to bacille Calmette-Guérin vaccination

Active Tuberculosis Is Associated with Worse Clinical Outcomes in HIV-Infected African Patients on Antiretroviral Therapy
Active tuberculosis is associated with worse clinical outcomes in HIV-infected African patients on antiretroviral therapy

The unsurprising story of MDR-TB resistance in India
The unsurprising story of MDR-TB resistance in India
Rational use of anti-tuberculosis drugs in the EU: better patient care and less drug resistance

Macrophage and Mycobacterium: The War without Beginning or End

Macrophage-mediated inflammatory response decreases mycobacterial survival in mouse MSCs by augmenting NO production

Management of multidrug-resistant TB: novel treatments and their expansion to low resource settings

Childhood Tuberculosis and Malnutrition

Mechanisms of control of Mycobacterium tuberculosis By NK cells: role of glutathione

Mitochondrial oxidative stress and dysfunction induced by isoniazid: study on isolated rat liver and brain mitochondria

Evolution of Drug Resistance in Mycobacterium tuberculosis: Clinical and Molecular Perspective
Evolution of drug resistance in Mycobacterium tuberculosis: clinical and molecular perspective

Tuberculosis in Bissau: incidence and risk factors in an urban community in sub-Saharan Africa

Circulating antioxidants and lipid peroxidation products in untreated tuberculosis patients in Ethiopia

The Response of *Mycobacterium Tuberculosis* to Reactive Oxygen and Nitrogen Species

Diagnosis of Tuberculosis by Using a Nucleic Acid Amplification Test in an Urban Population with High HIV Prevalence in the United States

The roles of GSTM1 and GSTT1 null genotypes and other predictors in anti-tuberculosis drug-induced liver injury

Impact of Bacterial Genetics on the Transmission of Isoniazid-Resistant Mycobacterium tuberculosis
Infectiousness, reproductive fitness and evolution of drug-resistant Mycobacterium tuberculosis

Global transcriptional response to vancomycin in *Mycobacterium tuberculosis*

Exogenous reinfection with multidrug-resistant *Mycobacterium tuberculosis* in patients with advanced HIV infection

Impact of Bacterial Genetics on the Transmission of Isoniazid-Resistant *Mycobacterium tuberculosis*

Transcriptional Adaptation of *Mycobacterium tuberculosis* within Macrophages

Prevalence of intestinal parasites in newly diagnosed HIV/AIDS patients in Ilorin, Nigeria
The effect of sexually transmitted co-infections on HIV viral load amongst individuals on antiretroviral therapy: a systematic review and meta-analysis

Effect of treating co-infections on HIV-1 viral load: a systematic review

Clinical deterioration during antitubercular treatment at a district hospital in South Africa: the importance of drug resistance and AIDS defining illnesses

HSV-2 infection of dendritic cells amplifies a highly susceptible HIV-1 cell target

Heterosexual transmission of human immunodeficiency virus (HIV) in northern California: results from a ten-year study

Pneumocystis carinii: oxygen uptake, antioxidant enzymes, and susceptibility to oxygen-mediated damage.
PreP and PEP

The 'immunologic advantage' of HIV-exposed seronegative individuals

Immune Activation Is Present in HIV-1-Exposed Seronegative Individuals and Is Independent of Microbial Translocation

Pre-exposure Prophylaxis Does Not Enhance HIV-specific T-cell Responses

Pre-exposure prophylaxis for HIV prevention in women: current perspectives
Pre-and post-sexual exposure prophylaxis of HIV: An update

A Review of HIV Pre-Exposure Prophylaxis: The Female Perspective

HIV Pre-Exposure Prophylaxis: Are we “PrEPing” for a new epidemic?

Antiretroviral drugs for treatment and prevention of HIV infection in adults: 2016 recommendations of the International Antiviral Society-USA panel

Changes in kidney function associated with daily tenofovir disoproxil fumarate/emtricitabine for HIV preexposure prophylaxis use in the United States Demonstration ...

Safety of oral tenofovir disoproxil fumarate-based pre-exposure prophylaxis for HIV prevention

Tenofovir and bone health
Acute Trigeminal Neuralgia Associated with Initiation of Emtricitabine/Tenofovir for HIV Pre-Exposure Prophylaxis

An overview of tenofovir and renal disease for the HIV-treating clinician

Brief Report: Cumulative Tenofovir Disoproxil Fumarate Exposure is Associated With Biomarkers of Tubular Injury and Fibrosis in HIV-Infected Men.

Developing safer HIV drugs: elucidating the mechanistic pathway of Tenofovir-induced cytotoxicity via mitochondrial dysfunction

Changes in renal function associated with oral emtricitabine/tenofovir disoproxil fumarate use for HIV pre-exposure prophylaxis
Virological failure among adult HIV positive patients three years after starting antiretroviral treatment at Mankweng Hospital, Limpopo Province, RSA

The safety of tenofovir-emtricitabine for HIV pre-exposure Prophylaxis (PrEP) in individuals with active hepatitis B

Risk of drug resistance among persons acquiring HIV within a randomized clinical trial of single-or dual-agent preexposure prophylaxis

HIV Treatment and Prevention: An Overview of Recommendations From the 2016 IAS–USA Antiretroviral Guidelines Panel

Letter to the editor: Pre-exposure prophylaxis for HIV in Europe: The need for resistance surveillance
The effect of oral preexposure prophylaxis on the progression of HIV-1 seroconversion

Tenofovir gel for the prevention of herpes simplex virus type 2 infection

On-demand preexposure prophylaxis in men at high risk for HIV-1 infection

HIV protective efficacy and correlates of tenofovir blood concentrations in a clinical trial of PrEP for HIV prevention

Tenofovir Inhibits Wound Healing of Epithelial Cells and Fibroblasts from the Upper and Lower Human Female Reproductive Tract

Antibody maturation in women who acquire HIV infection while using antiretroviral preexposure prophylaxis
Hormonal Contraceptives Differentially Suppress TFV and TAF Inhibition of HIV Infection and TFV-DP in Blood and Genital Tract CD4+ T cells

HIV disease progression in seroconvertors from the CAPRISA 004 tenofovir gel pre-exposure prophylaxis trial

Adherence to Post-Exposure Prophylaxis (PEP) and Incidence of HIV Seroconversion in a Major North American Cohort

Raltegravir-emtricitabine-tenofovir as HIV nonoccupational post-exposure prophylaxis in men who have sex with men: safety, tolerability and adherence

Antiretroviral Prophylaxis for HIV-1 Prevention among Heterosexual Men and Women
Suppression of HBV by Tenofovir in HBV/HIV Coinfected Patients: A Systematic Review and Meta-Analysis

Low Body Weight in Females Is a Risk Factor for Increased Tenofovir Exposure and Drug-Related Adverse Events

Sexually transmitted infections and pre-exposure prophylaxis: challenges and opportunities among men who have sex with men in the US

Safety, adherence and acceptability of intermittent tenofovir/emtricitabine as HIV pre-exposure prophylaxis (PrEP) among HIV-uninfected Ugandan volunteers ...

Pre-exposure Prophylaxis Does Not Enhance HIV-specific T-cell Responses
Syphilis predicts HIV incidence among men and transgender women who have sex with men in a preexposure prophylaxis trial

HIV pre-exposure prophylaxis for women

Awareness of post-exposure prophylaxis (PEP) and pre-exposure prophylaxis (PrEP) is low but interest is high among men engaging in condomless anal sex with ...

Vaginal bacteria modify HIV tenofovir microbicide efficacy in African women

The safety of tenofovir-emtricitabine for HIV pre-exposure Prophylaxis (PrEP) in individuals with active hepatitis B

Combination Emtricitabine and Tenofovir Disoproxil Fumarate Prevents Vaginal Simian/Human Immunodeficiency Virus Infection in Macaques Harboring *Chlamydia trachomatis* ...
Pre-exposure prophylaxis: a useful tool to prevent human immunodeficiency virus infection?

Preexposure prophylaxis for HIV prevention in a large integrated health care system: adherence, renal safety, and discontinuation

Incidence of gonorrhea and chlamydia following human immunodeficiency virus preexposure prophylaxis among men who have sex with men: a modeling study

Serious concerns regarding a meta-analysis of preexposure prophylaxis use and STI acquisition

Sexually transmitted infections and preexposure prophylaxis: challenges and opportunities among men who have sex with men in the US

Addressing the increasing burden of sexually transmitted infections in Rhode Island
Incidence of sexually transmitted infections before and after preexposure prophylaxis for HIV

Decreased incidence of syphilis in both men and women associated with male circumcision: a prospective study among HIV-1 serodiscordant heterosexual ...

Difference in condom use between bear concordant and discordant dyads during the last anal sex event

HIV prevention after Discontinuing pre-exposure prophylaxis: Conclusions From a Case study

Preferences for long-acting pre-exposure prophylaxis (PrEP), daily oral PrEP, or condoms for HIV prevention among US men who have sex with men

Individual versus community-level risk compensation following preexposure prophylaxis of HIV
The Pre-Exposure Prophylaxis-Stigma Paradox: Learning from Canada's First Wave of PrEP Users

Sexually transmitted infections in the era of antiretroviral-based HIV prevention: Priorities for discovery research, implementation science, and community ...

Incidence of gonorrhea and chlamydia following human immunodeficiency virus preexposure prophylaxis among men who have sex with men: a modeling study

Receptive Anal Intercourse and HIV Infection

Condomless anal sex among HIV-positive men who have sex with men: biomedical context matters
Antiretroviral therapy initiation is not associated with risky sexual behavior among heterosexual HIV-infected persons in serodiscordant partnerships

Post-exposure prophylaxis with doxycycline to prevent sexually transmitted infections in men who have sex with men: an open-label randomised substudy of the ...

Grindr, scruff, and on the hunt: predictors of condomless anal sex, Internet use, and mobile application use Among Men Who Have Sex With Men

Tenofovir-Associated Bone Adverse Outcomes among a US National Historical Cohort of HIV-Infected Veterans: Risk Modification by Concomitant ...
Acute Trigeminal Neuralgia Associated with Initiation of Emtricitabine/Tenofovir for HIV Pre-Exposure Prophylaxis

Pre-exposure prophylaxis for HIV prevention: safety concerns

A Sex-Positive Approach to Healthcare, and Truvada as HIV Pre-Exposure Prophylaxis (PrEP)

Tenofovir Inhibits Wound Healing of Epithelial Cells and Fibroblasts from the Upper and Lower Human Female Reproductive Tract

Condom use in combination with ART can reduce HIV incidence and mortality of PLWHA among MSM: a study from Beijing, China

Brief Report: Cumulative Tenofovir Disoproxil Fumarate Exposure is Associated With Biomarkers of Tubular Injury and Fibrosis in HIV-Infected Men.

Safety, adherence and acceptability of intermittent tenofovir/emtricitabine as HIV pre-
exposure prophylaxis (PrEP) among HIV-uninfected Ugandan volunteers ...

Safety, adherence and acceptability of intermittent tenofovir/emtricitabine as HIV pre-exposure prophylaxis (PrEP) among HIV-uninfected Ugandan volunteers ...

Efavirenz induces neuronal autophagy and mitochondrial alterations
Efavirenz induces neuronal autophagy and mitochondrial alterations

Autophagy as a rescue mechanism in efavirenz-induced mitochondrial dysfunction: a lesson from hepatic cells
Autophagy as a rescue mechanism in efavirenz-induced mitochondrial dysfunction: a lesson from hepatic cells

Risk of drug resistance among persons acquiring HIV within a randomized clinical trial of single-or dual-agent preexposure prophylaxis
Risk of drug resistance among persons acquiring HIV within a randomized clinical trial of single-or dual-agent preexposure prophylaxis

Changes in kidney function associated with daily tenofovir disoproxil fumarate/emtricitabine for HIV preexposure prophylaxis use in the United States Demonstration ...
Changes in kidney function associated with daily tenofovir disoproxil fumarate/emtricitabine for HIV preexposure prophylaxis use in the United States Demonstration ...

Developing safer HIV drugs: elucidating the mechanistic pathway of Tenofovir-induced cytotoxicity via mitochondrial dysfunction
Developing safer HIV drugs: elucidating the mechanistic pathway of Tenofovir-induced cytotoxicity via mitochondrial dysfunction
Changes in renal function associated with oral emtricitabine/tenofovir disoproxil fumarate use for HIV pre-exposure prophylaxis

Developing safer HIV drugs: elucidating the mechanistic pathway of Tenofovir-induced cytotoxicity via mitochondrial dysfunction

Adverse Effects of “Antiretroviral Therapy”
Off-target effects of drugs that disrupt human mitochondrial DNA maintenance

Trends in reported AIDS defining illnesses (ADIs) among participants in a universal antiretroviral therapy program: an observational study

Immune reconstitution inflammatory syndrome-associated disseminated Kaposi's sarcoma in a patient infected with human immunodeficiency virus: Report of ...

Stimulant Use and Progression to AIDS or Mortality After The Initiation of Highly Active Anti-Retroviral Therapy

Leishmaniasis as a manifestation of immune reconstitution inflammatory syndrome (IRIS) in HIV-infected patients: a literature review

Immune Reconstitution Inflammatory Syndrome Presenting as Mycobacterium Avium Complex Lymphadenitis
Brief Report: Changes in Levels of Inflammation After Antiretroviral Treatment During Early HIV Infection in AIDS Clinical Trials Group Study A5217.

Immune Reconstitution Inflammatory Syndrome in HIV-Infected Immigrants

Immunological signaling during herpes simplex virus-2 and cytomegalovirus vaginal shedding after initiation of antiretroviral treatment

Complexities of gut microbiome dysbiosis in the context of HIV infection and antiretroviral therapy

HIV protease inhibitors elicit volume-sensitive Cl– current in cardiac myocytes via mitochondrial ROS

Protease inhibitor monotherapy is associated with a higher level of monocyte activation, bacterial translocation and inflammation
Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

Gut epithelial barrier dysfunction in human immunodeficiency virus-hepatitis C virus coinfected patients: Influence on innate and acquired immunity

Evidence for polymicrobial flora translocating in peripheral blood of HIV-infected patients with poor immune response to antiretroviral therapy

Highly Active Antiretroviral Therapy Mitigates Liver Disease in HIV Infection

Nutritional status of HIV-infected patients during the first year HAART in two West African cohorts

Kidney dysfunction and markers of inflammation in the multicenter AIDS cohort study
Plasma Mitochondrial DNA Levels as a Biomarker of Lipodystrophy Among HIV-infected Patients Treated with Highly Active Antiretroviral Therapy (HAART).

Plasma micronutrient concentrations are altered by antiretroviral therapy and lipid-based nutrient supplements in lactating HIV-infected Malawian women

Vitamin D deficiency in HIV infection: not only a bone disorder

Levels of HIV-1 persistence on antiretroviral therapy are not associated with markers of inflammation or activation

Immune reconstitution inflammatory syndrome in HIV-infected patients

Bone mineral density changes after 2 years of ARV treatment, compared to naive HIV-1-infected patients not on HAART
Inflammation, immune activation, immunosenescence, and hormonal biomarkers in the frailty-related phenotype of men with or at risk for HIV

Etiology of Symptomatic Vaginitis among HIV/AIDS Patients in the Era of Highly Active Antiretroviral Therapy

The effects of highly active antiretroviral therapy on the serum levels of pro-inflammatory and anti-inflammatory cytokines in HIV infected subjects

Risk of severe non AIDS events is increased among patients unable to increase their CD4+ T-cell counts > 200+/μl despite effective HAART

Hypertension is a key feature of the metabolic syndrome in subjects aging with HIV

Acute coronary syndromes in patients with HIV
HIV, highly active antiretroviral therapy and the heart: a cellular to epidemiological review

Clinical characteristics, predictors of immune reconstitution inflammatory syndrome and long-term prognosis in patients with Kaposi sarcoma

Long-term impact of HIV wasting on physical function in the multicenter AIDS cohort study

Long-term kidney function, proteinuria, and associated risks among HIV-infected and uninfected men

Immune Reconstitution Inflammatory Syndrome-Associated Burkitt Lymphoma After Combination Antiretroviral Therapy in HIV-Infected Patients

Bone mineral density and inflammatory and bone biomarkers after darunavir-ritonavir combined with either raltegravir or tenofovir-emtricitabine in antiretroviral-naive ...
Disturbed glutathione metabolism and decreased antioxidant levels in human immunodeficiency virus-infected patients during highly active antiretroviral therapy ...

Elevated risks of death for diabetes mellitus and cardiovascular diseases in Italian AIDS cases

Neurotoxicity in the post-HAART era: caution for the antiretroviral therapeutics

Impact of nucleoside reverse transcriptase inhibitors on mitochondrial DNA and RNA in human skeletal muscle cells

Adverse effects of antiretroviral therapy on liver hepatocytes and endothelium in HIV patients: an ultrastructural perspective

Shorter telomere length predicts poorer immunological recovery in virologically suppressed HIV-1-infected patients treated with combined antiretroviral therapy
Impact of antiretroviral drugs on the microbiome: unknown answers to important questions

Overexpression of mitochondrial antioxidant manganese superoxide dismutase (MnSOD) provides protection against AZT-or 3TC-induced endothelial dysfunction

Mitochondrial DNA haplogroups influence lipoatrophy after highly active antiretroviral therapy

The Impact of Modern Antiretroviral Therapy on Lipid Metabolism of HIV-1 Infected Patients

Environmental fate and ecotoxicological effects of antiretrovirals: A current global status and future perspectives

Dynamic perturbations of the T-cell receptor repertoire in chronic HIV infection and following antiretroviral therapy
HIV protease inhibitors in gut barrier dysfunction and liver injury

HIV-1 infection and first line ART induced differential responses in mitochondria from blood lymphocytes and monocytes: the ANRS EP45 “Aging” study

Mitochondrial DNA haplogroups influence AIDS progression

Heme oxygenase-1-derived bilirubin counteracts HIV protease inhibitor-mediated endothelial cell dysfunction

Impact of nucleoside reverse transcriptase inhibitors on mitochondria in human immunodeficiency virus type 1-infected children receiving highly active antiretroviral therapy

Adverse effects of antiretroviral treatment
Highly active antiretroviral therapy and the kidney: an update on antiretroviral medications for nephrologists

Mitochondrial toxicity induced by nucleoside-analogue reverse-transcriptase inhibitors is a key factor in the pathogenesis of antiretroviral-therapy-related...

Hepatotoxicity in HIV-infected children and adolescents on antiretroviral therapy

Dyslipidemia and cardiovascular disease risk factor management in HIV-1-infected subjects treated with HAART in the Spanish VACH cohort

Zidovudine induces molecular, biochemical, and ultrastructural changes in rat skeletal muscle mitochondria.
Adverse effects of reverse transcriptase inhibitors: mitochondrial toxicity as common pathway

A Single Zidovudine (AZT) Administration Delays Hepatic Cell Proliferation by Altering Oxidative State in the Regenerating Rat Liver

Lipodystrophy syndrome among HIV infected children on highly active antiretroviral therapy in northern India

Impact of nucleoside reverse transcriptase inhibitors on mitochondria in human immunodeficiency virus type 1-infected children receiving highly active antiretroviral therapy

Dynamic perturbations of the T-cell receptor repertoire in chronic HIV infection and following antiretroviral therapy

Highly active antiretroviral therapy and the kidney: an update on antiretroviral medications for nephrologists
Mitochondrial toxicity induced by nucleoside-analogue reverse-transcriptase inhibitors is a key factor in the pathogenesis of antiretroviral-therapy-related ...

Hepatotoxicity in HIV-infected children and adolescents on antiretroviral therapy

Dyslipidemia and cardiovascular disease risk factor management in HIV-1-infected subjects treated with HAART in the Spanish VACH cohort

Impaired sperm motility in HIV-infected men: an unexpected adverse effect of efavirenz?

Sources for Inflammation and Accelerated Aging in Well Controlled HIV Patients on Antiretroviral Therapy

Genital Epstein Barr Virus is associated with higher prevalence and persistence of anal human papillomavirus in HIV-infected men on antiretroviral therapy
Resistance to reverse transcriptase inhibitors used in the treatment and prevention of HIV-1 infection

The role of drug transporters in the kidney: lessons from tenofovir

Renal and bone adverse effects of a tenofovir-based regimen in the treatment of HIV-infected children: a systematic review

... and antibiotic resistance pattern of blood culture isolates from human immuno-deficiency virus (HIV) patients on highly active anti-retroviral therapy (HAART) in ...

Nucleoside reverse transcriptase inhibitors possess intrinsic anti-inflammatory activity

Antiretroviral exposure during pregnancy and adverse outcomes in HIV-exposed uninfected infants and children using a trigger-based design: the SMARTT ...
Heme oxygenase-1-derived bilirubin counteracts HIV protease inhibitor-mediated endothelial cell dysfunction

Mitochondrial oxidative stress and dysfunction induced by isoniazid: study on isolated rat liver and brain mitochondria

... fat accumulation is associated with increased intramyocardial lipid content and duration of highly active antiretroviral therapy exposure in patients infected ...

Mitochondrial dysfunction in chemotherapy-induced peripheral neuropathy (CIPN)

Mitochondrial DNA mutations in ageing and disease: implications for HIV?

... function among hiv-1-uninfected men and women receiving emtricitabine-tenofovir disoproxil fumarate preexposure prophylaxis: A randomized clinical trial
A double-edged sword: does highly active antiretroviral therapy contribute to syphilis incidence by impairing immunity to Treponema pallidum?

HIV and kidney: a dangerous liaison

Human Immuno-Deficiency Virus Drug Resistance, Nucleoside Reverse Transcriptase Inhibitors, Non-nucleoside Reverse Transcriptase Inhibitors And ...

Plasma Cytochrome C Level As Biomarker For Monitoring Art-Induced Mitochondrial Toxicity

Impaired sperm motility in HIV-infected men: an unexpected adverse effect of efavirenz?

Resistance to reverse transcriptase inhibitors used in the treatment and prevention of HIV-1 infection
The role of drug transporters in the kidney: lessons from tenofovir

Renal and bone adverse effects of a tenofovir-based regimen in the treatment of HIV-infected children: a systematic review

Antiretroviral exposure during pregnancy and adverse outcomes in HIV-exposed uninfected infants and children using a trigger-based design: the SMARTT ...

... fat accumulation is associated with increased intramyocardial lipid content and duration of highly active antiretroviral therapy exposure in patients infected ...

Mitochondrial dysfunction in chemotherapy-induced peripheral neuropathy (CIPN)

Mitochondrial DNA mutations in ageing and disease: implications for HIV?
HIV and aging

Complexities of gut microbiome dysbiosis in the context of HIV infection and antiretroviral therapy

Chronic inflammation and the role for cofactors (hepatitis C, drug abuse, antiretroviral drug toxicity, aging) in HAND persistence

Sources for Inflammation and Accelerated Aging in Well Controlled HIV Patients on Antiretroviral Therapy

Protease inhibitor monotherapy for long-term management of HIV infection: a randomised, controlled, open-label, non-inferiority trial

Neurological and psychiatric adverse effects of antiretroviral drugs
Fecal Bacterial Communities in treated HIV infected individuals on two antiretroviral regimens

HIV associated sensory neuropathy

Differential body composition effects of protease inhibitors recommended for initial treatment of HIV infection: a randomized clinical trial

Trends in underlying causes of death in people with HIV from 1999 to 2011 (D: A: D): a multicohort collaboration

Impact of antiretroviral drugs on the microbiome: unknown answers to important questions

A review of the toxicity of HIV medications

Protease inhibitor monotherapy for long-term management of HIV infection: a randomised, controlled, open-label, non-inferiority trial
Long-term mortality in HIV-positive individuals virally suppressed for >3 years with incomplete CD4 recovery

Cancer risk and use of protease inhibitor or nonnucleoside reverse transcriptase Inhibitor-Based combination antiretroviral therapy: The D: A: D study

Effects of HIV infection and ART on phenotype and function of circulating monocytes, natural killer, and innate lymphoid cells

... and antibiotic resistance pattern of blood culture isolates from human immuno-deficiency virus (HIV) patients on highly active anti-retroviral therapy (HAART) in ...

Morbidity and mortality in HIV-infected individuals--A shift towards comorbidities
The effect of different combination therapies on oxidative stress markers in HIV infected patients in Cameroon

Anaerobic bacterial fermentation products increase tuberculosis risk in antiretroviral-drug-treated HIV patients

Azidothymidin (AZT) und AIDS

Antiretroviral therapy related adverse effects: Can sub-Saharan Africa cope with the new “test and treat” policy of the World Health Organization?

Dynamic perturbations of the T-cell receptor repertoire in chronic HIV infection and following antiretroviral therapy

Changes in Bone Mineral Density, Body Composition, Vitamin D Status, and Mineral Metabolism in Urban HIV-Positive South African Women Over 12 Months ART adverse effects
Lifetime and recent alcohol use and bone mineral density in adults with HIV infection and substance dependence

ART adverse effects

Associations between highly active antiretroviral therapy and the presence of HPV, premalignant and malignant cervical lesions in sub-Saharan Africa, a ...

ART influences HIV persistence in the female reproductive tract and cervicovaginal secretions

Neurological and psychiatric adverse effects of antiretroviral drugs

Trends in underlying causes of death in people with HIV from 1999 to 2011 (D: A: D): a multicohort collaboration

A review of the toxicity of HIV medications
An updated prediction model of the global risk of cardiovascular disease in HIV-positive persons: The Data-collection on Adverse Effects of Anti-HIV Drugs (D: A: D) ...

HIV protease inhibitors: a review of molecular selectivity and toxicity

Role of endoplasmic reticulum stress in drug-induced toxicity

Renal effects of novel antiretroviral drugs

Antiretrovirals and the kidney in current clinical practice: renal pharmacokinetics, alterations of renal function and renal toxicity

ART influences HIV persistence in the female reproductive tract and cervicovaginal secretions
Hormonal Contraceptives Differentially Suppress TFV and TAF Inhibition of HIV Infection and TFV-DP in Blood and Genital Tract CD4+ T cells

... and antibiotic resistance pattern of blood culture isolates from human immuno-deficiency virus (HIV) patients on highly active anti-retroviral therapy (HAART) in ...

Pattern of co-infection by enteric pathogenic parasites among HIV sero-positive individuals in a Tertiary Care Hospital, Mumbai, India

Effects of HIV infection and ART on phenotype and function of circulating monocytes, natural killer, and innate lymphoid cells

Heme oxygenase-1-derived bilirubin counteracts HIV protease inhibitor-mediated endothelial cell dysfunction

AIM2 inflammasome is activated by pharmacological disruption of nuclear envelope integrity
Impact of antiretroviral drugs on the microbiome: unknown answers to important questions

Lack of viral control and development of cART escape mutations in macaques after bone marrow transplantation

Protease inhibitor monotherapy is associated with a higher level of monocyte activation, bacterial translocation and inflammation

Nevirapine-induced liver lipid-SER inclusions and other ultrastructural aberrations

Nucleoside reverse transcriptase inhibitors possess intrinsic anti-inflammatory activity

Current topics in HIV pathogenesis, part 2: inflammation drives a Warburg-like effect on the metabolism of HIV-infected subjects
Attenuated resting memory B cell compartment in HIV infected children despite Highly Active Antiretroviral Therapy (HAART)

Premature and accelerated aging: HIV or HAART?

A systematic review of side effects of nucleoside and nucleotide drugs used for treatment of chronic hepatitis B

Increased Nitrooxidative Stress Promotes Mitochondrial Dysfunction in Alcoholic and Nonalcoholic Fatty Liver Disease

Increased tryptophan catabolism is associated with increased frequency of CD161+ Tc17/MAIT cells and lower CD4+ T-cell count in HIV-1 infected patients on cART ...

Hepatitis B and C Co-Infection among HIV-Infected Adults while on Antiretroviral Treatment: Long-Term Survival, CD4 Cell Count Recovery and Antiretroviral Toxicity in Cambodia
Associated factors with syphilis among human immunodeficiency virus-infected men who have sex with men in Taiwan in the era of combination antiretroviral therapy

HIV protease inhibitors in gut barrier dysfunction and liver injury

Evidence of Subclinical mtDNA Alterations in HIV-Infected Pregnant Women Receiving Combination Antiretroviral Therapy Compared to HIV-Negative Pregnant Women

Is there continued evidence for an association between abacavir usage and myocardial infarction risk in individuals with HIV? A cohort collaboration

Hepatitis B and C Co-Infection among HIV-Infected Adults while on Antiretroviral Treatment: Long-Term Survival, CD4 Cell Count Recovery and Antiretroviral Toxicity in Cambodia
Prevalence, drug-induced hepatotoxicity, and mortality among patients multi-infected with HIV, tuberculosis, and hepatitis virus

Drug interactions between antiretrovirals and new or emerging direct-acting antivirals in HIV/hepatitis C virus coinfection

Evolution of Hepatitis B Serological Markers in HIV-Infected Patients Receiving Highly Active Antiretroviral Therapy

Therapeutic Drug Monitoring and Pharmacogenetic Study of HIV-Infected Ethnic Chinese Receiving Efavirenz-Containing Antiretroviral Therapy with or without Rifampicin-Based Anti-Tuberculous Therapy

HIV Protease Inhibitors Disrupt Lipid Metabolism by Activating Endoplasmic Reticulum Stress and Inhibiting Autophagy Activity in Adipocytes
Efavirenz Induces Neuronal Autophagy and Mitochondrial Alterations

Efavirenz induces neuronal autophagy and mitochondrial alterations

Antiretroviral therapy potentiates high-fat diet induced obesity and glucose intolerance

Antiretroviral therapy potentiates high-fat diet induced obesity and glucose intolerance

Antiretroviral treatment with efavirenz disrupts the blood-brain barrier integrity and increases stroke severity

Antiretroviral treatment with efavirenz disrupts the blood-brain barrier integrity and increases stroke severity

Deficient phagocytosis among HIV-1 infected adults over time even in HAART setting

Deficient phagocytosis among HIV-1 infected adults over time even in HAART setting

Mitotoxicity in distal symmetrical sensory peripheral neuropathies

Mitotoxicity in distal symmetrical sensory peripheral neuropathies

A 48-Week Study of Fat Molecular Alterations in HIV Naive Patients Starting Tenofovir/Emtricitabine With Lopinavir/Ritonavir or Efavirenz

A 48-week study of fat molecular alterations in HIV naive patients starting tenofovir/emtricitabine with lopinavir/ritonavir or efavirenz
Virological Response to Tenofovir Disoproxil Fumarate in HIV-Positive Patients with Lamivudine-Resistant Hepatitis B Virus Coinfection in an Area Hyperendemic for Hepatitis B Virus Infection

Reduced bone mineral density among HIV-infected patients in Taiwan: Prevalence and associated factors

Compromising mitochondrial function with the antiretroviral drug efavirenz induces cell survival-promoting autophagy

Neuronal bioenergetics and acute mitochondrial dysfunction: a clue to understanding the central nervous system side effects of efavirenz

Autophagy as a rescue mechanism in efavirenz-induced mitochondrial dysfunction: a lesson from hepatic cells
Differential Impact of Resistance-Associated Mutations to Protease Inhibitors and Nonnucleoside Reverse Transcriptase Inhibitors on HIV-1 Replication Capacity

Prevalence of Integrase Strand Transfer Inhibitors (INSTI) Resistance Mutations in Taiwan

Aging and HIV/AIDS: pathogenetic role of therapeutic side effects

Oxidative stress predicts All-Cause mortality in HIV-Infected patients

Oxidative stress in HIV patients receiving antiretroviral therapy

Oxidative Role of HIV/AIDS: Antiretroviral Drugs and Medicinal Plants with Anti-HIV Activity

Immune recovery in HIV-infected patients after Candida esophagitis is impaired despite long-term antiretroviral therapy
Mitochondrial DNA variation and changes in adiponectin and endothelial function in HIV-infected adults after antiretroviral therapy initiation

Premature and accelerated aging: HIV or HAART

Safety of protease inhibitors in HIV-infected pregnant women

Effect of Cumulating Exposure to Abacavir on the Risk of Cardiovascular Disease Events in Patients From the Swiss HIV Cohort Study

Virologically Suppressed HIV Patients Show Activation of NK Cells and Persistent Innate Immune Activation

Hepatitis B virus treatment: Management of antiviral drug resistance

Drug interactions between antiretrovirals and new or emerging direct-acting antivirals in HIV/hepatitis C virus coinfection
Current Management of Hepatitis C Virus Infection in Patients With HIV Co-infection

The roles of GSTM1 and GSTT1 null genotypes and other predictors in anti-tuberculosis drug-induced liver injury

Effects of CYP2B6 and CYP1A2 Genetic Variation on Nevirapine Plasma concentration and Pharmacodynamics as Measured by CD4 Cell Count in Zimbabwean HIV-Infected Patients

The effect of sexually transmitted co-infections on HIV viral load amongst individuals on antiretroviral therapy: a systematic review and meta-analysis

Paradoxes of adherence and drug resistance to HIV antiretroviral therapy

Adverse effects of antiretroviral treatment
Antiretroviral Drug-Related Liver Mortality Among HIV-Positive Persons in the Absence of Hepatitis B or C Virus Coinfection: The Data Collection on Adverse Events of Anti-HIV Drugs Study

Progression of liver fibrosis in HIV/hepatitis C virus-coinfected individuals on antiretroviral therapy with early stages of liver fibrosis at baseline

Evaluation of Patterns of Liver Toxicity in Patients on Antiretroviral and Anti-Tuberculosis Drugs: A Prospective Four Arm Observational Study in Ethiopian Patients

Drug-Induced Liver Injury

Persistent microbial translocation and immune activation in HIV-1-infected South Africans receiving combination antiretroviral therapy
Plasma levels of bacterial DNA correlate with immune activation and the magnitude of immune restoration in persons with antiretroviral-treated HIV infection

HIV protease inhibitors in gut barrier dysfunction and liver injury

Predictors of first-line antiretroviral therapy discontinuation due to drug-related adverse events in HIV-infected patients: a retrospective cohort study

Interferon-Containing and Interferon-Free HCV Therapy for HIV-Infected Patients

Liver fibrosis progression despite HCV cure with antiviral therapy in HIV-HCV-coinfected patients

Antiretroviral therapy and sustained virological response to HCV therapy are associated with slower liver fibrosis progression in HIV-HCV-coinfected patients: study from the ANRS CO 13 H E PAV I H cohort
Association Between Antiretroviral Exposure and Renal Impairment Among HIV-Positive Persons With Normal Baseline Renal Function: the D:A:D Study

Prevalence, drug-induced hepatotoxicity, and mortality among patients multi-infected with HIV, tuberculosis, and hepatitis virus

Low Body Weight in Females Is a Risk Factor for Increased Tenofovir Exposure and Drug-Related Adverse Events

Efavirenz, tenofovir and emtricitabine combined with first-line tuberculosis treatment in tuberculosis-HIV-coinfected Tanzanian patients: a pharmacokinetic and safety study

Antiretroviral therapy: current drugs.
Drug interactions between antiretrovirals and new or emerging direct-acting antivirals in HIV/hepatitis C virus coinfection

Down-regulation of mitochondrial thymidine kinase 2 and deoxyguanosine kinase

HIV protease inhibitors: a review of molecular selectivity and toxicity

Role of Mitochondria in HIV Infection and Associated Metabolic Disorders: Focus on Nonalcoholic Fatty Liver Disease and Lipodystrophy Syndrome

The effect of sexually transmitted co-infections on HIV viral load amongst individuals on antiretroviral therapy: a systematic review and meta-analysis
Hepatitis B and C Co-Infection among HIV-Infected Adults while on Antiretroviral Treatment: Long-Term Survival, CD4 Cell Count Recovery and Antiretroviral Toxicity in Cambodia

Anti-retroviral therapy and incidence of adverse drug reactions among cohort of Malaysian HIV/AIDS patients

Update of the Drug Resistance Mutations in HIV-1: March 2013

Suppression of HBV by Tenofovir in HBV/HIV Coinfected Patients: A Systematic Review and Meta-Analysis

A Phase III Comparative Study of the Efficacy and Tolerability of Three Non-Nucleoside Reverse Transcriptase Inhibitor-Sparing Antiretroviral Regimens for Treatment-Naïve HIV-1-Infected Volunteers: A Randomized, Controlled Trial
Is there continued evidence for an association between abacavir usage and myocardial infarction risk in individuals with HIV? A cohort collaboration

Effect of Cumulating Exposure to Abacavir on the Risk of Cardiovascular Disease Events in Patients From the Swiss HIV Cohort Study

Genital Epstein Barr Virus is associated with higher prevalence and persistence of anal human papillomavirus in HIV-infected men on antiretroviral therapy

Hepatitis B virus treatment: Management of antiviral drug resistance

Current Management of Hepatitis C Virus Infection in Patients with HIV Co-infection
Overexpression of mitochondrial antioxidant manganese superoxide dismutase (MnSOD) provides protection against AZT- or 3TC-induced endothelial dysfunction.

The effect of different combination therapies on oxidative stress markers in HIV infected patients in Cameroon

Cancer risk in the Swiss HIV Cohort Study: associations with immunodeficiency, smoking, and highly active antiretroviral therapy

The natural killer cell interferon-gamma response to bacteria is diminished in untreated HIV-1 infection and defects persist despite viral suppression

Changes in HIV-1 subtypes B and C genital tract RNA in women and men after initiation of antiretroviral therapy

A prospective observational study of adverse drug reactions to antiretroviral therapy: type and risk factors in a tertiary care teaching hospital
A prospective observational study of adverse drug reactions to antiretroviral therapy: type and risk factors in a tertiary care teaching hospital

Current pattern of adverse drug reactions to antiretroviral therapy in an antiretroviral therapy centre attached to a government medical college of Maharashtra, India: a ...

Neurotoxicity in the post-HAART era: caution for the antiretroviral therapeutics

Adverse effects of antiretroviral therapy on liver hepatocytes and endothelium in HIV patients: an ultrastructural perspective

Evidence of Subclinical mtDNA Alterations in HIV-Infected Pregnant Women Receiving Combination Antiretroviral Therapy Compared to HIV-Negative Pregnant Women

HIV Protease Inhibitors Disrupt Lipid Metabolism by Activating Endoplasmic Reticulum Stress and Inhibiting Autophagy Activity in Adipocytes
Efavirenz Induces Neuronal Autophagy and Mitochondrial Alterations
Efavirenz induces neuronal autophagy and mitochondrial alterations

Adjudicated morbidity and mortality outcomes by age among individuals with HIV infection on suppressive antiretroviral therapy
[HTML] Adjudicated morbidity and mortality outcomes by age among individuals with HIV infection on suppressive antiretroviral therapy

HIV-induced alteration in gut microbiota: driving factors, consequences, and effects of antiretroviral therapy
HIV-induced alteration in gut microbiota: driving factors, consequences, and effects of antiretroviral therapy

Aging and HIV/AIDS: pathogenetic role of therapeutic side effects
Aging and HIV/AIDS: pathogenetic role of therapeutic side effects

Long-term mortality in HIV-positive individuals virally suppressed for> 3 years with incomplete CD4 recovery
[HTML] Long-term mortality in HIV-positive individuals virally suppressed for> 3 years with incomplete CD4 recovery

Opportunistic infections and AIDS malignancies early after initiating combination antiretroviral therapy in high-income countries
[HTML] Opportunistic infections and AIDS malignancies early after initiating combination antiretroviral therapy in high-income countries
Epstein-Barr Virus–and Kaposi Sarcoma–Associated Herpesvirus–Related Malignancies in the Setting of Human Immunodeficiency Virus Infection

Distribution of intestinal parasite in people living with HIV/AIDS of different care centre of Pokhara Valley, Nepal

Pattern of co-infection by enteric pathogenic parasites among HIV sero-positive individuals in a Tertiary Care Hospital, Mumbai, India

Down-regulation of mitochondrial thymidine kinase 2 and deoxyguanosine kinase by didanosine: Implication for mitochondrial toxicities of anti-HIV nucleoside ...

Could antiretroviral neurotoxicity play a role in the pathogenesis of cognitive impairment in treated HIV disease?

Persistent Peripheral Nervous System Damage in Simian Immunodeficiency Virus—Infected Macaques Receiving Antiretroviral Therapy
Effect of the Anti-retroviral Drugs Efavirenz, Tenofovir and Emtricitabine on Endothelial Cell Function: Role of PARP

ART adverse effects

Patient-Reported Symptoms Over 48 Weeks Among Participants in Randomized, Double-Blind, Phase III Non-inferiority Trials of Adults with HIV on Co ... cART adverse effects

Immune therapy for human papillomaviruses-related cancers

Associations between highly active antiretroviral therapy and the presence of HPV, premalignant and malignant cervical lesions in sub-Saharan Africa, a ......

HIV protease inhibitors in gut barrier dysfunction and liver injury

Antiretroviral drugs induce oxidative stress and neuronal damage in the central nervous system
Trends in reported AIDS defining illnesses (ADIs) among participants in a universal antiretroviral therapy program: an observational study

Increased tryptophan catabolism is associated with increased frequency of CD161+ Tc17/MAIT cells and lower CD4+ T-cell count in HIV-1 infected patients on cART ...

Frequencies of circulating MAIT cells are diminished in chronic HCV, HIV and HCV/HIV co-infection and do not recover during therapy

... and antibiotic resistance pattern of blood culture isolates from human immuno-deficiency virus (HIV) patients on highly active antiretroviral therapy (HAART) in ...

Sources for Inflammation and Accelerated Aging in Well Controlled HIV Patients on Antiretroviral Therapy
Effects of HIV infection and ART on phenotype and function of circulating monocytes, natural killer, and innate lymphoid cells

Evidence for polymicrobial flora translocating in peripheral blood of HIV-infected patients with poor immune response to antiretroviral therapy

Dysbiosis of the gut microbiota is associated with HIV disease progression and tryptophan catabolism

Gut Lactobacillales are associated with higher CD4 and less microbial translocation during HIV infection

The gut microbiome in human immunodeficiency virus infection

Alterations in the gut microbiota of patients with acquired immune deficiency syndrome
HIV-induced immunosuppression is associated with colonization of the proximal gut by environmental bacteria

Gut barrier structure, mucosal immunity and intestinal microbiota in the pathogenesis and treatment of HIV infection

Alterations in the fecal microbiota of patients with HIV-1 infection: an observational study in a Chinese population

Microbial translocation and microbiome dysbiosis in HIV-associated immune activation

Gut mucosal barrier dysfunction, microbial dysbiosis, and their role in HIV-1 disease progression

Fecal Bacterial Communities in treated HIV infected individuals on two antiretroviral regimens
Human papillomavirus-associated anal and cervical cancers in HIV-infected individuals: incidence and prevention in the antiretroviral therapy era. Okok. ART doesn’t work

Woman Health, Pregnancy, Antibiotics and “HIV-Transmission”

A question for women's health: chemicals in feminine hygiene products and personal lubricants

The effect of wearing sanitary napkins of different thicknesses on physiological and psychological responses in Muslim females

Role of female intimate hygiene in vulvovaginal health: Global hygiene practices and product usage
The reproductive ecology of iron in women
The reproductive ecology of iron in women

Cross-sectional study of genital, rectal, and pharyngeal Chlamydia and gonorrhea in women in rural South Africa
Cross-sectional study of genital, rectal, and pharyngeal Chlamydia and gonorrhea in women in rural South Africa o.k.

Frequent genital HSV-2 shedding among women during labor in Soweto, South Africa
Frequent genital HSV-2 shedding among women during labor in Soweto, South Africa o.k.

A cross sectional study on awareness about menstrual hygiene among rural women
[PDF] A cross sectional study on awareness about menstrual hygiene among rural women

Beyond malaria—causes of fever in outpatient Tanzanian children
[HTML] Beyond malaria—causes of fever in outpatient Tanzanian children

METRONIDAZOLE TO PREVENT PRETERM DELIVERY IN PREGNANT WOMEN WITH ASYMPTOMATIC BACTERIAL VAGINOSIS
[HTML] Metronidazole to prevent preterm delivery in pregnant women with asymptomatic bacterial vaginosis

The Placenta as a Barrier to Viral Infections
The contribution of maternal HIV seroconversion during late pregnancy and breastfeeding to mother-to-child transmission of HIV

Mitochondrial Toxicity in Human Pregnancy: An Update on Clinical and Experimental Approaches in the Last 10 Years

Antibiotics for preventing recurrent urinary tract infection in non-pregnant women (Review)

Oral contraceptive efficacy and antibiotic interaction: A myth debunked

DRUGS IN PREGNANCY

Interventions for treating genital chlamydia trachomatis infection in pregnancy (Review)

Prophylactic antibiotic administration during second and third trimester in pregnancy for preventing infectious morbidity and mortality (Review)
HOSPITAL BASED STUDY FOR ASYMPTOMATIC BACTERIURIA IN PREGNANT WOMEN
[PDF] Hospital based study for asymptomatic bacteriuria in pregnant women

ASSESSMENT OF DRUG UTILIZATION PATTERN DURING PREGNANCY IN ADAMA RIFERRAL HOSPITAL, OROMIA REGION, ETHIOPIA
Assessment of drug utilization pattern during pregnancy in Adama Riferral Hospital, Oromia Region, Ethiopia

Antibiotics for Bacterial Vaginosis or *Trichomonas vaginalis* in Pregnancy: A Systematic Review
Antibiotics for bacterial vaginosis or *Trichomonas vaginalis* in pregnancy: a systematic review

Evaluation Of Committee On Safety of Medicines Yellow card reports on Oral contraceptive-drug Interactions with anti-Convulsants and antibiotics
Evaluation of Committee on Safety of Medicines yellow card reports on oral contraceptive-drug interactions with anticonvulsants and antibiotics.

Interventions for treating genital chlamydia trachomatis infection in pregnancy (Review)
Treatment of toxoplasmosis during pregnancy: a multicenter study of impact on fetal transmission

Urinary Tract Infections During Pregnancy
[HTML] Urinary tract infection in pregnancy

Asymptomatic bacteriuria and symptomatic urinary tract infections in pregnancy
Asymptomatic bacteriuria and symptomatic urinary tract infections in pregnancy
FAILURE OF METRONIDAZOLE TO PREVENT PRETERM DELIVERY AMONG PREGNANT WOMEN WITH ASYMPTOMATIC TRICHOMONAS VAGINALIS INFECTION THE PRENATAL USE OF ANTIBIOTICS AND THE DEVELOPMENT OF ALLERGIC DISEASE IN ONE YEAR OLD INFANTS. A PRELIMINARY STUDY

Treatment of toxoplasmosis during pregnancy: a multicenter study of impact on fetal transmission and children's sequelae at age 1 year

Association between Preterm Birth and Vaginal Colonization by Mycoplasmas in Early Pregnancy

Urinary tract infections in pregnancy

Pregnancy Outcome Following Gestational Exposure to Fluoroquinolones: a Multicenter Prospective Controlled Study

Tetracycline Toxicity in Pregnancy Liver and Pancreatic Dysfunction
Pregnancy outcome following gestational exposure to azithromycin

Sepsis during pregnancy

Association of Ureaplasma urealyticum biovars with clinical outcome for neonates, obstetric patients, and gynecological patients with pelvic inflammatory disease

Antibacterial Medication Use During Pregnancy and Risk of Birth Defects

Maternal syphilis: pathophysiology and treatment

Caesarean delivery rates and pregnancy outcomes: the 2005 WHO global survey on maternal and perinatal health in Latin America

Autism After Infection, Febrile Episodes, and Antibiotic Use During Pregnancy: An Exploratory Study
Antibiotic resistance patterns of group streptococci in pregnant women.

Ureaplasma urealyticum intrauterine infection: role in prematurity and disease in newborns

Management of Toxoplasma gondii Infection during Pregnancy

Prescription drug use among fathers and mothers before and during pregnancy. A population-based cohort study of 106 000 pregnancies in Norway 2004-2006

Syphilis in Pregnancy in Tanzania. I. Impact of Maternal Syphilis on Outcome of Pregnancy

Epidemiology of urinary tract infections and antibiotics sensitivity among pregnant women at Khartoum North Hospital

Pharmacokinetics in pregnancy
Antibiotic failure in the treatment of urinary tract infections in young women

Genital flora in pregnancy and its association with intrauterine growth retardation

Antibiotics in Pregnancy: Are They Safe?

Antimicrobial resistance in urinary bacterial isolates from pregnant women in rural Tanzania: Implications for public health

Predictors and Outcomes for Pregnant Women with Vaginal-Rectal Carriage of Community-Associated Methicillin-Resistant Staphylococcus aureus

Azithromycin-chloroquine and the intermittent preventive treatment of malaria in pregnancy

Placental Mitochondrial Dysfunction in relation to preterm delivery in HIV pregnancy
Prevalence and antibiotic susceptibility of *Mycoplasma hominis* and *Ureaplasma urealyticum* in pregnant women

Could peripartum antibiotics have delayed health consequences for the infant?

Acquired Antibiotic Resistance: Are We Born with It?

Effect of maternal antibiotics on breast feeding infants

Delivery mode shapes the acquisition and structure of the initial microbiota across multiple body habitats in newborns

Antibiotic Resistance Patterns Of Group B Streptococci In Pregnant Women

Mother-to-Child HIV-1 Transmission Events Are Differentially Impacted by Breast Milk and Its Components from HIV-1-Infected Women
Diet and host-microbial crosstalk in postnatal intestinal immune homeostasis

Antiretroviral therapy and adverse pregnancy outcome: the elephant in the room?

Perinatal Programming of Asthma: The Role of Gut Microbiota

Long-Term Safety and Impact on Infection Rates of Postnatal Probiotic and Prebiotic (Synbiotic) Treatment: Randomized, Double-Blind, Placebo-Controlled Trial

Establishment and development of lactic acid bacteria and bifidobacteria microbiota in breast-milk and the infant gut

Identification and \( \text{H}_2\text{O}_2 \) Production of Vaginal Lactobacilli from Pregnant Women at High Risk of Preterm Birth and Relation with Outcome

Perinatal nutrition and immunity to infection
Perinatal nutrition and immunity to infection

Prenatal undernutrition, postnatal environments, and antibody response to vaccination in adolescence

Vitamin profile of pregnant women living with HIV/AIDS

Loss of passively acquired maternal antibodies in highly vaccinated populations: an emerging need to define the ontogeny of infant immune responses

The rationale for probiotics improving reproductive health and pregnancy outcome

The interaction between nutrition and infection

A Randomized Trial of Multivitamin Supplements and HIV Disease Progression and Mortality
A randomized trial of multivitamin supplements and HIV disease progression and mortality

HIV protease inhibitor use during pregnancy is associated with decreased progesterone levels, suggesting a potential mechanism contributing to fetal growth ...

Prenatal Undernutrition and Postnatal Growth Are Associated with Adolescent Thymic Function

Prenatal undernutrition and postnatal growth are associated with adolescent thymic function

Pregnancy, Nutrition and Parasitic Diseases

Pregnancy, nutrition and parasitic diseases

Predictors of Early Mortality in a Cohort of Human Immunodeficiency Virus Type 1-Infected African Children

Predictors of early mortality in a cohort of human immunodeficiency virus type 1-infected African children

Maternal vitamin A deficiency and mother-to-child transmission of HIV-1

Maternal vitamin A deficiency and mother-to-child transmission of HIV-1

Vitamin A Deficiency and Other Nutritional Indices During Pregnancy in Human Immunodeficiency Virus Infection: Prevalence, Clinical Correlates, and Outcome

Vitamin A deficiency and other nutritional indices during pregnancy in human immunodeficiency virus infection: prevalence, clinical correlates, and outcome
Vitamin A Deficiency and Other Nutritional Indices During Pregnancy in Human Immunodeficiency Virus Infection:

Vitamin A deficiency and other nutritional indices during pregnancy in human immunodeficiency virus infection: prevalence, clinical correlates, and outcome

Nutrition in pregnancy: mineral and vitamin supplements

Nutrition in pregnancy: mineral and vitamin supplements

Antenatal Vitamin A Supplementation Increases Birth Weight and Decreases Anemia among Infants Born to Human Immunodeficiency Virus-Infected Women in Malawi

Antenatal vitamin A supplementation increases birth weight and decreases anemia among infants born to human immunodeficiency virus-infected women in Malawi

Perinatal Outcomes, Including Mother-to-Child Transmission of HIV, and Child Mortality and Their Association with Maternal Vitamin D Status in Tanzania

Perinatal outcomes, including mother-to-child transmission of HIV, and child mortality and their association with maternal vitamin D status in Tanzania

Nutritional indicators of adverse pregnancy outcomes and mother-to-child transmission of HIV among HIV-infected women

Nutritional indicators of adverse pregnancy outcomes and mother-to-child transmission of HIV among HIV-infected women
Early Weaning of HIV-Exposed Uninfected Infants and Risk of Serious Gastroenteritis: Findings from Two Perinatal HIV Prevention Trials in Kampala, Uganda

Zinc-Altered Immune Function and Cytokine Production

Survival, Disease Manifestations, and Early Predictors of Disease Progression

The impact of perinatal immune development on mucosal homeostasis and chronic inflammation

Complex interactions between malnutrition, infection and immunity: relevance to HIV/AIDS infection

Factors Influencing the Composition of the Intestinal Microbiota in Early Infancy

Maternal vaginal microflora during pregnancy and the risk of asthma hospitalization and use of antiasthma medication in early childhood
Maternal vaginal microflora during pregnancy and the risk of asthma hospitalization and use of antiasthma medication in early childhood

Gut Microbiota, Probiotics, and Vitamin D: Interrelated Exposures Influencing Allergy, Asthma, and Obesity?
Gut microbiota, probiotics, and vitamin D: interrelated exposures influencing allergy, asthma, and obesity?

Perinatal Programming of Asthma: The Role of Gut Microbiota
Perinatal programming of asthma: the role of gut microbiota

Identification and $\text{H}_2\text{O}_2$ Production of Vaginal Lactobacilli from Pregnant Women at High Risk of Preterm Birth and Relation with Outcome
Identification and H2O2 production of vaginal lactobacilli from pregnant women at high risk of preterm birth and relation with outcome

Perinatal nutrition and immunity to infection

http://jn.nutrition.org/content/133/5/1645S.full.pdf+html

Prenatal undernutrition, postnatal environments, and antibody response to vaccination in adolescence
Prenatal undernutrition, postnatal environments, and antibody response to vaccination in adolescence

Passive Immunization during Pregnancy for Congenital Cytomegalovirus Infection
[HTML] Passive immunization during pregnancy for congenital cytomegalovirus infection
Improved thymic function in exclusively breastfed infants is associated with higher interleukin 7 concentrations in their mothers' breast milk

Selenoproteins and maternal nutrition

Micronutrient supplementation in children and adults with HIV infection (Cochrane Review)

Nutrition and HIV Infection/AIDS in Sub-Saharan Africa

HIV and nutrition: pregnant and lactating women

http://cdrwww.who.int/nutrition/topics/Paper_3_Pregnant_and_Lactation_bangkok.pdf

The Role of Microbes in Developmental Immunologic Programming

The role of microbes in developmental immunologic programming
Maternal Nutrition and Perinatal Outcomes

Maternal nutrition and perinatal outcomes

Early exclusive breastfeeding reduces the risk of postnatal HIV-1 transmission and increases HIV-free survival

Influence of Prenatal Psychosocial Stress on Cytokine Production in Adult Women

Influence of prenatal psychosocial stress on cytokine production in adult women

Development of mucosal immunity in the first year of life and relationship to sudden infant death syndrome

[HTML] Development of mucosal immunity in the first year of life and relationship to sudden infant death syndrome

The influence of maternal prenatal and early childhood nutrition and maternal prenatal stress on offspring immune system development and neurodevelopmental disorders

[HTML] The influence of maternal prenatal and early childhood nutrition and maternal prenatal stress on offspring immune system development and ...

Effect of Prenatal Vitamin Supplementation on Lower-Genital Levels of HIV Type 1 and Interleukin Type 1β at 36 Weeks of Gestation

Effect of prenatal vitamin supplementation on lower-genital levels of HIV type 1 and interleukin type 1β at 36 weeks of gestation
Toxoplasmosis, Cytomegalovirus, Listeriosis, and Preconception Care

Breastfeeding: More Than Just Good Nutrition

Cytomegalovirus, and possibly Epstein–Barr virus, shedding in breast milk is associated with HIV-1 transmission by breastfeeding

Development of the murine and human immune system: differential effects of immunotoxicants depend on time of exposure

Host Remodeling of the Gut Microbiome and Metabolic Changes during Pregnancy
Dietary Supplementation with Lactobacilli and Bifidobacteria Is Well Tolerated and Not Associated with Adverse Events during Late Pregnancy and Early Infancy

Dietary supplementation with lactobacilli and bifidobacteria is well tolerated and not associated with adverse events during late pregnancy and early infancy

FOLLOW-UP OF CHILDREN OF DEPRESSED MOTHERS EXPOSED OR NOT EXPOSED TO ANTIDEPRESSANT DRUGS DURING PREGNANCY

Follow-up of children of depressed mothers exposed or not exposed to antidepressant drugs during pregnancy

Early-life nutritional and environmental determinants of thymic size in infants born in rural Bangladesh

[HTML] Early-life nutritional and environmental determinants of thymic size in infants born in rural Bangladesh

Selenium levels in relation to morbidity and mortality among children born to HIV-infected mothers

Selenium levels in relation to morbidity and mortality among children born to HIV-infected mothers

Identification and H$_2$O$_2$ Production of Vaginal Lactobacilli from Pregnant Women at High Risk of Preterm Birth and Relation with Outcome

Identification and H$_2$O$_2$ production of vaginal lactobacilli from pregnant women at high risk of preterm birth and relation with outcome
Mitochondrial Toxicity in Human Pregnancy: An Update on Clinical and Experimental Approaches in the Last 10 Years

The Anti-Inflammatory Activity of Curcumin Protects the Genital Mucosal Epithelial Barrier from Disruption and Blocks Replication of HIV-1 and HSV-2

HIV protease inhibitor use during pregnancy is associated with decreased progesterone levels, suggesting a potential mechanism contributing to fetal growth ...
Therapy Means

**Effect of probiotic supplement on cytokine levels in HIV-infected individuals: a preliminary study**

**Reduced levels of D-dimer and changes in gut microbiota composition after probiotic intervention in HIV-infected individuals on stable ART**

**Specific prebiotics modulate gut microbiota and immune activation in HAART-naive HIV-infected adults: results of the “COPA” pilot randomized trial**

**The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects**
Omega-3 free fatty acids suppress macrophage inflammasome activation by inhibiting NF-κB activation and enhancing autophagy

The administration of probiotics and synbiotics in immune compromised adults: is it safe?

Microbiota and probiotics in health and HIV infection

Glutathione deficiency is associated with impaired survival in HIV disease

N-acetylcysteine replenishes glutathione in HIV infection

Functions of glutathione and glutathione disulfide in immunology and immunopathology.

Probiotics for the control of parasites: an overview

Bacterial probiotic modulation of dendritic cells
The role of the gut flora in health and disease, and its modification as therapy
The role of the gut flora in health and disease, and its modification as therapy

Probiotic bacteria for prophylaxis and therapy of candidiasis
Probiotic bacteria for prophylaxis and therapy of candidiasis

Bifidobacterium animalis AHC7 protects against pathogen-induced NF-κB activation in vivo
Bacterial probiotic modulation of dendritic cells

Nutrients and HIV: N-acetylcysteine, alpha-lipoic acid, L-glutamine, and L-carnitine

Mikronährstoffe contra Immunschwäche
http://www.seminarwerk-aids.de/Mikronaehrstoffe.pdf

Aminosäuren und Hormone in der HIV-Therapie
http://www.seminarwerk-aids.de/Aminosauren.pdf

Emerging novel anti HIV biomolecules from marine Algae: An overview
Emerging novel anti HIV biomolecules from marine Algae: An overview

The development of probiotics for women's health
The development of probiotics for women's health
Impact of High-Dose Multi-Strain Probiotic Supplementation on Neurocognitive Performance and Central Nervous System Immune Activation of HIV-1 Infected...

Effect of Probiotic Supplementation on CD4 Cell Count in HIV-Infected Patients: A Systematic Review and Meta-analysis

Review of randomized controlled trials of nutritional supplementation in people living with HIV

[N-acetylcysteine replenishes glutathione in HIV infection](#)

Regular exercise improves inflammatory responses by resident or recruited macrophages against bacterial pathogens

Improvement of immune functions in HIV infection by sulfur supplementation: two randomized trials
Regular exercise improves inflammatory responses by resident or recruited macrophages against bacterial pathogens

The development of probiotics for women's health

Impact of High-Dose Multi-Strain Probiotic Supplementation on Neurocognitive Performance and Central Nervous System Immune Activation of HIV-1 Infected ...

Review of randomized controlled trials of nutritional supplementation in people living with HIV

Resveratrol alleviates Staphylococcus aureus pneumonia by inhibition of the NLRP3 inflammasome

Antimalarial action of artesunate involves DNA damage mediated by reactive oxygen species
Antimalarial action of artesunate involves DNA damage mediated by reactive oxygen species

**Polymicrobial synergy and dysbiosis in inflammatory disease**
Polymicrobial synergy and dysbiosis in inflammatory disease

Optimal vitamin D plasma levels are associated with lower bacterial DNA translocation in HIV/hepatitis c virus coinfected patients
Optimal vitamin D plasma levels are associated with lower bacterial DNA translocation in HIV/hepatitis c virus coinfected patients

The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects
The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects

**Riboflavin along with antibiotics balances reactive oxygen species and inflammatory cytokines and controls Staphylococcus aureus infection by boosting ...**
Riboflavin along with antibiotics balances reactive oxygen species and inflammatory cytokines and controls Staphylococcus aureus infection by boosting ...

**Effect of artesunate supplementation on bacterial translocation and dysbiosis of gut microbiota in rats with liver cirrhosis**
Effect of artesunate supplementation on bacterial translocation and dysbiosis of gut microbiota in rats with liver cirrhosis
The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects

How can the gut microbiota affect immune recovery in HIV-infected individuals?

Probiotics, prebiotics and synbiotics-a review

Regulation of autophagy by amino acids and MTOR-dependent signal transduction

Improvement of immune functions in HIV infection by sulfur supplementation: two randomized trials

Review of randomized controlled trials of nutritional supplementation in people living with HIV

Potential anti-hpv and related cancer agents from marine resources: An overview
Effect of Micronutrient Supplementation on Disease Progression in Asymptomatic, Antiretroviral-Naive, HIV-Infected Adults in Botswana

Curcumin hormesis mediates a cross-talk between autophagy and cell death

Curcumin, inflammation, and chronic diseases: how are they linked?

Mitochondrial Free Radicals, Antioxidants, Nutrient Substances, and Chronic Hepatitis C

Trace Elements/Minerals and Immunity

Piperine Suppresses Pyroptosis and Interleukin-1β Release upon ATP Triggering and Bacterial Infection

Review of randomized controlled trials of nutritional supplementation in people living with HIV [PDF]
Effect of Probiotic Supplementation on CD4 Cell Count in HIV-Infected Patients: A Systematic Review and Meta-analysis

Microbiota and probiotics in health and HIV infection

Strategies to limit immune-activation in HIV patients

Optimal vitamin D plasma levels are associated with lower bacterial DNA translocation in HIV/hepatitis c virus coinfected patients

The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects

How can the gut microbiota affect immune recovery in HIV-infected individuals?

Effects of environmental pollutants on gut microbiota
Probiotics, prebiotics and synbiotics-a review

Regulation of autophagy by amino acids and MTOR-dependent signal transduction

Effect of L-Carnitine on Human Immunodeficiency Virus-1 Infection-Associated Apoptosis: A Pilot Study

Homeostatic impact of indigenous microbiota and secretory immunity

N-acetyl-cysteine exhibits potent anti-mycobacterial activity in addition to its known anti-oxidative functions

Mitochondrial Free Radicals, Antioxidants, Nutrient Substances, and Chronic Hepatitis C

Artemisinin analogues as potent inhibitors of in vitro hepatitis c virus replication
Anti-tumour effects of polysaccharides isolated from artemisia annua L by inducing cell apoptosis and immunomodulatory anti-hepatoma effects of polysaccharides

Anti-Inflammatory and Immunoregulatory Functions of Artemisinin and Its Derivatives

Leishmanicidal activities of Artemisia annua leaf essential oil against visceral leishmaniasis

Targeting Mitochondria-Derived Reactive Oxygen Species to Reduce Epithelial Barrier Dysfunction and Colitis

Phytochemical Modulators of Mitochondria: The Search for Chemopreventive Agents and Supportive Therapeutics

Alternative medicines for HIV/AIDS in resource-poor settings: Insight from traditional medicines use in sub-Saharan Africa
Cause of Cancer and Chronic Inflammatory Diseases and the Implications for Treatment

The possible roles of vitamin D and curcumin in treating gonorrhea

Anti-Inflammatory and Antimicrobial Actions of Vitamin D in Combating TB/HIV

Existing and potential therapeutic uses for N-acetylcysteine: the need for conversion to intracellular glutathione for antioxidant benefits

The chemistry and biological activities of N-acetylcysteine

Glutathione and infection

Dietary phytochemicals and cancer prevention: Nrf2 signaling, epigenetics, and cell death mechanisms in blocking cancer initiation and progression
Regulation of autophagy by polyphenolic compounds as a potential therapeutic strategy for cancer

Anti-tumour effects of polysaccharides isolated from Artemisia annua L by inducing cell apoptosis and immunomodulatory anti-hepatoma effects of polysaccharides

Anti-inflammatory, Antioxidant and Antimicrobial Effects of Artemisinin Extracts from Artemisia annua L

Anti-Inflammatory and Immunoregulatory Functions of Artemisinin and Its Derivatives

Protective capacity of Artemisia annua as a potent antioxidant remedy against free radical damage

Sensitivity of human herpesvirus 6 and other human herpesviruses to the broad-spectrum antiinfective drug artesunate
Sensitivity of human herpesvirus 6 and other human herpesviruses to the broad-spectrum antiinfective drug artesunate

**The efficacy of herbal medicines against Toxoplasma gondii during the last 3 decades: a systematic review**

The efficacy of herbal medicines against *Toxoplasma gondii* during the last 3 decades: a systematic review

**N-acetylcysteine (NAC) ameliorates Epstein-Barr virus latent membrane protein 1 induced chronic inflammation**

[N-acetylcysteine (NAC) ameliorates Epstein-Barr virus latent membrane protein 1 induced chronic inflammation](#)

**Oxidative Stress and Inflammation in Hepatic Diseases: Therapeutic Possibilities of N-Acetylcysteine**

Oxidative stress and inflammation in hepatic diseases: therapeutic possibilities of N-acetylcysteine

**Artemisinin Analogues as Potent Inhibitors of In Vitro Hepatitis C Virus Replication**

[Artemisinin analogues as potent inhibitors of in vitro hepatitis C virus replication](#)

**The Role of Oxidative Stress and Antioxidants in Liver Diseases**

[The role of oxidative stress and antioxidants in liver diseases](#)

**Mitochondrial Free Radicals, Antioxidants, Nutrient Substances, and Chronic Hepatitis C**

[Mitochondrial Free Radicals, Antioxidants, Nutrient Substances, and Chronic Hepatitis C](#)
Therapeutic Potential of Host Defense Peptides in Antibiotic-resistant Infections

Therapeutic potential of host defense peptides in antibiotic-resistant infections

Generation of regulatory dendritic cells and CD4+ Foxp3+ T cells by probiotics administration suppresses immune disorders

Generation of regulatory dendritic cells and CD4+ Foxp3+ T cells by probiotics administration suppresses immune disorders

Potential therapeutic effects of curcumin, the anti-inflammatory agent, against neurodegenerative, cardiovascular, pulmonary, metabolic, autoimmune and neoplastic ...

Potential therapeutic effects of curcumin, the anti-inflammatory agent, against neurodegenerative, cardiovascular, pulmonary, metabolic, autoimmune and neoplastic ...

Anti-inflammatory, Antioxidant and Antimicrobial Effects of Artemisinin Extracts from Artemisia annua L.

[HTML] Anti-inflammatory, Antioxidant and Antimicrobial Effects of Artemisinin Extracts from Artemisia annua L.

Anti-tumour effects of polysaccharides isolated from Artemisia annua L by inducing cell apoptosis and immunomodulatory anti-hepatoma effects of polysaccharides

Anti-tumour effects of polysaccharides isolated from Artemisia annua L by inducing cell apoptosis and immunomodulatory anti-hepatoma effects of polysaccharides
Oxidants and antioxidants in the pathogenesis of HIV/AIDS

Micronutrients, N-acetyl cysteine, probiotics and prebiotics, a review of effectiveness in reducing HIV progression

Symbiotic therapy decreases microbial translocation and inflammation and improves immunological status in HIV-infected patients: a double-blind randomized ...  

Effect of probiotic bacteria on microbial host defense, growth, and immune function in human immunodeficiency virus type-1 infection

Natural products for cancer prevention associated with Nrf2-ARE pathway

Herbal Medicine as Inducers of Apoptosis in Cancer Treatment

Anti-Inflammatory and Anti-Superbacterial Properties of Sulforaphane from Shepherd's Purse
Anti-inflammatory and anti-superbacterial properties of sulforaphane from Shepherd's Purse

Mechanisms of control of Mycobacterium tuberculosis by NK cells: role of glutathione

Probiotic agents to protect the urogenital tract against infection

Generation of regulatory dendritic cells and CD4^+^ Foxp3^+^ T cells by probiotics administration suppresses immune disorders

Probiotic bacteria and intestinal epithelial barrier function

New Approaches for Bacteriotherapy: Prebiotics, New-Generation Probiotics, and Synbiotics

PROBIOTIC BACTERIA LACTOBACILLUS AND BIFIDOBACTERIUM ATTENUATE INFLAMMATION IN DEXTRAN SULFATE SODIUM-INDUCED EXPERIMENTAL COLITIS IN MICE
Preventive and therapeutic effects of nitrite supplementation in experimental inflammatory bowel disease

Genistein, Estrogen Receptors, and the Acquired Immune Response

Targeting Mitochondria-Derived Reactive Oxygen Species to Reduce Epithelial Barrier Dysfunction and Colitis

Pulmonary Tuberculosis: towards improved adjunctive therapies

Resveratrol and Related Compounds as Antioxidants with an Allosteric Mechanism of Action in Epigenetic Drug Targets

Resveratrol-based combinatorial strategies for cancer management

Protective effect of mitochondria-targeted antioxidants in an acute bacterial infection
Protective effect of mitochondria-targeted antioxidants in an acute bacterial infection

Combined L-citrulline and glutathione supplementation increases the concentration of markers indicative of nitric oxide synthesis

Treatment of Mitochondrial Disorders
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4067597/

Artemisinin-based combination with curcumin adds a new dimension to malaria therapy

The Anti-Inflammatory Activity of Curcumin Protects the Genital Mucosal Epithelial Barrier from Disruption and Blocks Replication of HIV-1 and HSV-2

Amino acids and immune function

The chemistry and biological activities of N-acetylcysteine

Chronic hepatitis B and ozone therapy
[PDF] Chronic hepatitis B and ozone therapy
Ozone Therapy in Patients with Viral Hepatitis C: Ten Years' Experience

A practical approach for restoring homeostasis in diseases characterized by a chronic oxidative stress

Herbal medicine as inducers of apoptosis in cancer treatment

Lipophilic antioxidants prevent lipopolysaccharide-induced mitochondrial dysfunction through mitochondrial biogenesis improvement

Mitochondrial-Targeted Curcuminoids: A Strategy to Enhance Bioavailability and Anticancer Efficacy of Curcumin

Renoprotective effect of the antioxidant curcumin: Recent Findings
Curcumin Protects against Cadmium-Induced Vascular Dysfunction, Hypertension and Tissue Cadmium Accumulation in Mice

Nrf2, a master regulator of detoxification and also antioxidant, anti-inflammatory and other cytoprotective mechanisms, is raised by health promoting factors

Impact of antioxidant supplementation on chemotherapeutic toxicity: a systematic review of the evidence from randomized controlled trials

Ameliorative effect of berberine against gentamicin-induced nephrotoxicity in rats via attenuation of oxidative stress, inflammation, apoptosis and mitochondrial dysfunction

Disturbed Amino Acid Metabolism in HIV: Association with Neuropsychiatric Symptoms
Aged garlic extract restores nitric oxide bioavailability in cultured human endothelial cells even under conditions of homocysteine elevation

Mushroom Polysaccharides: Chemistry and Antiobesity, Antidiabetes, Anticancer, and Antibiotic Properties in Cells, Rodents, and Humans

Cancer and the gut microbiota: an unexpected link

Antiviral activity of resveratrol against human and animal viruses

Generation of regulatory dendritic cells and CD4+ Foxp3+ T cells by probiotics administration suppresses immune disorders

Curcumin suppression of cytokine release and cytokine storm. A potential therapy for patients with Ebola and other severe viral infections
Withholding antimalarials in febrile children who have a negative result for a rapid diagnostic test

Glutathione deficiency is associated with impaired survival in HIV disease

The Redox State as a Correlate of Senescence and Wasting and as a Target for Therapeutic Intervention

Role of cysteine and glutathione in HIV infection and other diseases associated with muscle wasting and immunological dysfunction

Cystine levels, cystine flux, and protein catabolism in cancer cachexia, HIV/SIV infection, and senescence

Functions of glutathione and glutathione disulfide in immunology and immunopathology

Effect of glutathione depletion and oral N-acetyl-cysteine treatment on CD4+ and CD8+ cells
N-Acetylcysteine—a safe antidote for cysteine/glutathione deficiency

Omega-3 free fatty acids suppress macrophage inflammasome activation by inhibiting NF-κB activation and enhancing autophagy

Anti-HIV-1 activity of phlorotannin derivative 8,4‴-dieckol from Korean brown alga Ecklonia cava

Anti-HIV-1 activity in human primary cells and Anti-HIV-1 RT inhibitory activity of extracts from the red seaweed Acanthophora spicifera

Inhibition of HIV-1 reverse transcriptase and protease by phlorotannins from the brown alga Ecklonia cava

Molecular docking studies of marine diterpenes as inhibitors of wild-type and mutants HIV-1 reverse transcriptase
Emerging novel anti HIV biomolecules from marine Algae: An overview
PDF] Emerging novel anti HIV biomolecules from marine Algae: An overview
https://www.ejmanager.com/mnstemps/19/19-1434533316.pdf

Antimicrobial activities of bacteria associated with the brown alga Padina pavonica
[HTML] Antimicrobial activities of bacteria associated with the brown alga Padina pavonica

Antioxidant and antifungal activities of Padina pavonica and Sargassum vulgare from the Lebanese Mediterranean Coast
[PDF] Antioxidant and antifungal activities of Padina pavonica and Sargassum vulgare from the Lebanese Mediterranean Coast

Anti-inflammatory effect of supercritical extract and its constituents from Ishige okamurae
[HTML] Anti-inflammatory effect of supercritical extract and its constituents from Ishige okamurae

Inhibition of growth and urease activity of Helicobacter pylori by Korean edible seaweed extracts
[PDF] Inhibition of growth and urease activity of Helicobacter pylori by Korean edible seaweed extracts

Riboflavin along with antibiotics balances reactive oxygen species and inflammatory cytokines and controls Staphylococcus aureus infection by boosting ...
[HTML] Riboflavin along with antibiotics balances reactive oxygen species and inflammatory cytokines and controls Staphylococcus aureus infection by boosting ... o.k.
Curcumin represses NLRP3 inflammasome activation via TLR4/MyD88/NF-κB and P2X7R signaling in PMA-induced macrophages

Antibacterial, antiproliferative, and immunomodulatory activity of silver nanoparticles synthesized with fucans from the alga Dictyota mertensii

The in vitro biological activity of the Brazilian brown seaweed Dictyota mertensii against Leishmania amazonensis

Cytotoxic and antiproliferative constituents from Dictyota ciliolata, Padina sanctae-crucis and Turbinaria tricostata

Aqueous extracts of the marine brown alga Lobophora variegata inhibit HIV-1 infection at the level of virus entry into cells

Algal bioactive diversities against pathogenic microbes
Immune therapy for human papillomaviruses-related cancers

Potential anti-hpv and related cancer agents from marine resources: An overview

Inhibition of growth and urease activity of Helicobacter pylori by Korean edible seaweed extracts

Antibacterial, antiproliferative, and immunomodulatory activity of silver nanoparticles synthesized with fucans from the alga Dictyota mertensii

Review of randomized controlled trials of nutritional supplementation in people living with HIV

Richer gut microbiota with distinct metabolic profile in HIV infected elite controllers
The effects of prebiotics on microbial dysbiosis, butyrate production and immunity in HIV-infected subjects

The health advantage of a vegan diet: exploring the gut microbiota connection

Effect of probiotic supplement on cytokine levels in HIV-infected individuals: a preliminary study

Complexities of gut microbiome dysbiosis in the context of HIV infection and antiretroviral therapy

Regulation of intestinal immune responses through TLR activation: implications for pro- and prebiotics

Resveratrol alleviates Staphylococcus aureus pneumonia by inhibition of the NLRP3 inflammasome
Understanding the mechanisms of faecal microbiota transplantation

Therapy of Adverse Effects of cART

Glutathione deficiency is associated with impaired survival in HIV disease

N-acetylcysteine replenishes glutathione in HIV infection

Resveratrol-based combinatorial strategies for cancer management
Resveratrol-based combinatorial strategies for cancer management

Impact of antioxidant supplementation on chemotherapeutic toxicity: A systematic review of the evidence from randomized controlled trials
[HTML] Impact of antioxidant supplementation on chemotherapeutic toxicity: a systematic review of the evidence from randomized controlled trials
Probiotic/prebiotic supplementation of antiretrovirals improves gastrointestinal immunity in SIV-infected macaques

Ameliorative effect of berberine against gentamicin-induced nephrotoxicity in rats via attenuation of oxidative stress, inflammation, apoptosis and mitochondrial dysfunction

The Male Genital Tract in the Era of Highly Active Antiretroviral Therapy (HAART): Implication for Antioxidant Therapy

Cancer metabolism and oxidative stress: Insights into carcinogenesis and chemotherapy via the non-dihydrofolate reductase effects of methotrexate

Effects of pentoxifylline and alpha lipoic acid on methotrexate-induced damage in liver and kidney of rats
Vitamin D3 Supplementation Increases Spine Bone Mineral Density in Adolescents and Young Adults With Human Immunodeficiency Virus Infection Being Treated ...

Reduced levels of D-dimer and changes in gut microbiota composition after probiotic intervention in HIV-infected individuals on stable ART