

Breaking News

- [Engineered Off-the-Shelf Cells Offer New Hope for Glioblastoma Treatment](#)
- [Negatives After Stroke or Heart Attack – Increased Infection Risk and Potential Treatments](#)
- [A Weapon Against Superbugs: Promising New Vaccine Candidate Emerges](#)
- [New Hope for Treatment-Resistant Lyme Disease: Targeting Inflammation](#)
- [Never Too Early to Exercise: Long-Term Benefits of Early Life Exercise](#)
- [Hidden Sugars: Unveiling a Link Between HIV and Accelerated Aging](#)
- [New Hope for Chronic Hepatitis B: Boosting T Cell Power](#)
- [New Blood Test May Help Diagnose and Treat Long COVID](#)
- [Alzheimer's Breakthrough: Microglia Power Up to Clear Harmful Plaques](#)
- [Mapping the Gut: A New Tool Unveils Secrets of Inflammation](#)
- [A New Twist in the COVID's story: Antibodies Gone Rogue](#)
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- [New Hurdle for CAR T-Cell Therapy in Aggressive Blood Cancer](#)
- [Baby Gut Bacteria: Serotonin Powerhouse for Early Immunity!](#)
- [New Hope for a Type 1 Diabetes in Liposome Therapy](#)
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- [Exciting New Target Discovered for Epstein-Barr Virus](#)
- [Sleep can strengthen your immune response](#)
- [New Hope for Cervical Cancer – A Promising Therapy](#)
- [Beyond a Window: Eyes Emerge as Brain's Immune Defenders](#)
- [Interfering with T cell help: IFN- \$\beta\$ for Enhanced Anticancer Immunity](#)
- [Baby Power: Surprising Strength of Newborn Immune](#)

Systems

- A Glimpse into the Future of HIV Treatment
- CAR T-cell therapy – a potential treatment for autoimmune diseases
- Alzheimer's: new insights found in our blood and the immune system
- Smoking's Shadow: How It Alters Your Immune System Even After Quitting
- Stressful Signals: How Your Body Talks to Your Brain
- Atypical B Cells: Unsung Heroes in the Fight Against Malaria
- How T cells combat tuberculosis
- Impacts of diet choice on your immune system
- Interrogation of the T cell landscape in pediatric brain tumors
- Breast milk – immune insights
- Using AI for immunotherapy
- Long COVID and complement activation
- Remodelling of alveolar macrophages to combat Mycobacterium infection
- Guillain-Barré syndrome – new insights
- Cytokine storm – insights into new treatments
- Inflammation and ALS – inhibition to reduce symptoms
- The gut microbiome and inflammation – new insights
- Breath of life – immune insights
- Fat cells and tumour growth
- The role of JAK inhibitors in inflammation – new insights
- Vaccine development – new insights from epitopes
- Advancements in CAR T-Cell Therapy: A Promising Clinical Outlook
- The battle against Herpes – insights
- Unveiling Zika Virus' Multi-Purpose Enzyme: A Potential Therapeutic Target
- Inflammaging – new insights
- New insights: hypertension-induced dementia
- Accelerating Tuberculosis Vaccine Development: Insights

[from BCG Studies](#)

- [Novel immune cells unveil potential trigger for severe asthma](#)
- [Food allergies and cardiovascular health](#)
- [Reprogramming Brain's Defense Cells into Neurons Aids Stroke Recovery](#)
- [Key immune threshold identified for SARS-CoV-2](#)
- [Unlocking the secrets of the thymus: a window into immune system aging](#)
- [AI and vaccine development for gonorrhea](#)
- [A sugar-enzyme link to tumour growth suppression](#)
- [Mycobacterium tuberculosis – cord formation and antibiotic resistance](#)
- [Mycobacteria have an albumin binding capacity – possible implications](#)
- [Prior exposure to common virus may protect the fetus](#)
- [Cytomegalovirus – new insights into immune protection](#)
- [New technique for targeted immunotherapy shows promise in mice](#)
- [New insights into mosquito-to-human viral transmission](#)
- [A Hidden Haven: how Leishmania parasites hide in our cells](#)
- [A new protein may be key in placental health](#)
- [Elders' vs new-borns and children – insights into immune phenotypes](#)
- [New imaging agent – improved prediction of HER2 positive metastatic breast cancer](#)
- [Triple-negative breast cancer – a potential treatment on the horizon](#)
- [Enhancing B Cell Memory: The Role of Autophagy and the RUBCN Protein](#)
- [Cracking the Code of Implant Rejection – new insights](#)
- [Neutrophils – new insights for clinical studies](#)
- [Maternal immunity: how mothers “remember” their babies and understanding pregnancy pathology](#)
- [A link: Atopic Dermatitis and Inflammatory Bowel Disease](#)
- [Antibody diversity – new insights](#)

- [New biomarker for vascular dementia](#)
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- [Malaria vaccine – positive results within a Tanzanian cohort](#)
- [Severe COVID-19 may change your innate immune system](#)
- [Using immune cells to predict flu](#)
- [Human-derived 3D model for Alzheimer's disease – immune insights](#)
- [Evaluating a Peptide-Based T-Cell Activating COVID-19 vaccine – Insights from a Phase I/II Trial](#)
- [Parkinson's disease – new insights into immune cell landscape](#)
- [Using a virus to treat Pancreatic Cancer](#)
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- [The landscape of human cornea – immune cells](#)
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- [B cells and PCOS](#)
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- [New insights into inflammation](#)
- [How metabolic rewiring influences macrophage function](#)
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- [Making cancer immunotherapy safer](#)
- [Genetics and allergies](#)
- [Placental protection of the fetus – new insights](#)

- [Respiratory Syncytial Virus \(RSV\) infection – the role of T cells](#)
- [The immune system during old age](#)
- [Skin aging – IL-17 a role player](#)
- [Harmful blood in the brain – immune insights](#)
- [Autoantibodies in Systemic Autoimmune Diseases](#)
- [Stress mediated stirring up of the immune system](#)
- [New insights – drug resistance malaria](#)
- [Decoding HIV – insights from an animal model](#)
- [Smallpox vaccine for mpox?](#)
- [Single cell profiling at the maternal–fetal interface – insights](#)
- [A skin patch for peanut allergy](#)
- [A positive sign for prostate cancer treatment](#)
- [Inflammatory bowel disease – mapping the immune system of the gut](#)
- [TB and HIV – an enhanced antibody response](#)
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- [How some individuals with immunodeficiency defend themselves against infection](#)
- [Using gamma T cells to fight TNBC](#)
- [PSGL-1 regulates CD8+ T Cell Exhaustion](#)
- [Clear cell renal cell carcinoma – new “spatial,” insights](#)
- [Chronic transplant rejection – new insights](#)
- [Possible new treatment for rheumatoid arthritis](#)
- [Using lab grown organs to test vaccines](#)
- [Immunity in centenarians – keys to life?](#)
- [Improving pancreatic cancer therapy – insights](#)
- [The early stages of HIV infection – new insights](#)
- [Phosphatidylserine-positive extracellular vesicles – boosting effector CD8+ T cell responses](#)
- [Regulatory T cells – new insights](#)
- [How neutrophils can be used to fight cancer](#)
- [New insights into mechanisms of HIV infection](#)
- [Enhancing the immune system to fight TB infection](#)
- [COVID-19 and HIV – how antibody responses are affected](#)

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- [Is trained immunity impacted by revaccination or BCG dose?](#)
- [Inflammation in soft gums – insights](#)
- [The role of T cells in Alzheimer's disease – novel insights](#)
- [COVID-19 – creating a vaccine that can change with the virus](#)
- [Eliminating metastatic breast cancer in mice – immunotherapy insights](#)
- [How immune cells fight chronic infection or disease – new insights](#)
- [Specific B cell targeting to treat lupus](#)
- [Why prematurely born babies are more susceptible to infection](#)
- [What drives allergic asthma? New insights](#)
- [First COVID-19 vaccination may affect booster shot efficacy](#)
- [Defining more roles for Natural Killer cells](#)
- [A potential cure for HIV may exist in stem cell transplantation – however...](#)
- [Priming the immune response with ginger](#)
- [T-cell protection against pneumococcal disease](#)
- [Is salt bad for you? Starving immune regulators of energy](#)
- [Blocking SARS-CoV-2 infection – new insights](#)
- [T cell exhaustion- new insights](#)
- [Do your genetics make you more susceptible to infections?](#)
- [New TB drug regimen may not work against TB meningitis](#)
- [Epstein-Barr virus – novel insights into the immune response to the virus](#)
- [Novel insights into the treatment of lupus](#)
- [COVID-19 and the innate immune system – long term effects](#)
- [Immune response diversity driven by B cells](#)

- [Understanding gut inflammation using caterpillars](#)
- [Vaccines and respiratory viruses](#)
- [Insights into the mechanism lung cancers use to evade the immune system](#)
- [Newly discovered IFN- \$\gamma\$ role in Metabolic reprogramming to support Tumor Evasion](#)
- [A vaccine for brain cancer?](#)
- [COVID-19 vaccination may offer cancer protection](#)
- [Novel therapy to reduce immune rejection of transplant cells](#)
- [Why we lose our smell – COVID-19](#)
- [Insights into the regulation of inflammation](#)
- [Blood clotting – insights into sepsis](#)
- [Respiratory infections – common \(in\) cold \(temperatures\)](#)
- [Your gut microbiome and white blood cells](#)
- [Leukemia linked T cells may drive autoimmune diseases](#)
- [Predicting patient responses to COVID-19 immunotherapies](#)
- [Neurological effects of COVID-19](#)
- [HIV and its mechanisms of drug evasion](#)
- [Axon regeneration in the adult nervous system – immune modulation](#)
- [Atypical B cells as biomarkers of renal complication in lupus patients](#)
- [Improved cancer treatment response in those with COVID vaccination](#)
- [Tumor associated macrophages: the future targets for anti-melanoma immunotherapy ?](#)
- [Novel insights – regulating skin inflammation](#)
- [Vimentin and its role in COVID-19 infection](#)
- [How the brain slows us down when we are sick](#)
- [Improving vaccine immunity against fungal pneumonia](#)
- [Time of day for COVID-19 vaccination does not matter](#)
- [Non-invasive tumour immune cell monitoring](#)
- [Infection in the brain – defenses and consequences](#)
- [What determines COVID-19 disease persistence and severity?](#)
- [Novel treatment approach for asthma without negative](#)

immune system effects

- Development and use of cellular behavioural landscapes to describe inflammatory states
- The interplay between LRRC15+ myofibroblasts and anti-tumour immunity
- The opportunity to boost antiretroviral therapy interventions through maternal vaccination
- Rebound to COVID-19 – not from impaired immunity
- The humoral response as a marker in patients with chronic obstructive pulmonary disease
- How to boost immunotherapies against B-cell leukemia
- SARS-CoV-2 can infect adipose tissue
- Lack of sleep and your immune system
- What effect does anti PD-1 therapy have on responses to the influenza vaccine?
- Vaccine-associated enhanced respiratory disease in hamsters vaccinated against COVID-19
- Increased activity of Neutrophil Elastase in sera of SLE patients during the COVID-19 pandemic
- Inhibiting Mycobacterium tuberculosis infection
- SARS-CoV-2 infection following vaccination – more robust immunity
- Novel protein linked to rheumatoid arthritis pathogenesis
- Using viruses to fight cancer
- Antibodies from cows may provide protection from Mycobacterium avium subsp. paratuberculosis
- A 'side-ways' mechanism of detection in CD1a and $\gamma\delta$ T cell receptor interactions
- Neutrophils as biomarkers for COVID-19 and recovery
- What does HIV infection have to do with T follicular regulatory cells (TFRs)?
- What role do CD137L and CD4 T-cells have in B-cell lymphoma immuno-surveillance?
- Blocking of an important coronavirus enzyme with natural compounds
- Helminths and Vaccine responses

- [A map of the immune system](#)
- [CD8 T-cell mediated vaccine protection against SARS-CoV-2](#)
- [The emergence of inflammatory monocytes as the leukemia anteroom.](#)
- [New insights into the interferon response to SARS-CoV-2](#)
- [Distinct antibody responses as biomarkers to monitor cancer immunotherapies](#)
- [Promising new insights: the immune response following a stroke](#)
- [IL-25 blockade as a therapeutic strategy for asthma](#)
- [Using bacteria to fight cancer](#)
- [Unique genes: the innate immune response and tuberculosis](#)
- [SARS-CoV-2 Omicron variant in hamsters is not as deadly as we think](#)
- [Nasal spray immunisation: potential use against HIV and SARS-CoV-2 shown in an animal models](#)
- [Cancer, collagen the microbiome and immunity – a link!](#)
- [COVID-19 and the brain – new insights](#)
- [Can reprogramming CD8 T-cells contribute to a cure for a HIV?](#)
- [An inflammatory pathway linked to autoimmune diseases](#)
- [Developing new tools to combat COVID-19](#)
- [SARS-CoV-2 omicron variant hardly evade neutralization by S309](#)
- [Hair growth and our immune system](#)
- [SARS-CoV-2 – a weakness?](#)
- [The immune system and obesity](#)
- [Adaptations of tissue-resident memory T cells](#)
- [Using lipid nanoparticles for cancer treatment](#)
- [A vaccine with a dual threat to cancer](#)
- [Can BCG vaccination reduce mortality and morbidity from COVID-19?](#)
- [A potential new vaccine for rabies](#)
- [Does cancer immunoediting occur in humans?](#)
- [What happens to your cilia during SARS-CoV-2 infection?](#)

- [T cell lineage fate is driven by CD4 and CD8 co-receptor gene loci](#)
- [Novel insights: immunotherapy responses in lung cancer](#)
- [Comparing four COVID-19 vaccines](#)
- [Does the timing of granuloma formation affect TB control?](#)
- [ATLAS – describing SARS-CoV-2 variant T-cell responses](#)
- [Human M1 macrophages champion the control of TB disease](#)
- [Cannabidiol – a potential tool for fighting SARS-CoV-2](#)
- [Improving Chagas disease diagnosis and treatment](#)
- [Bifonazole – a potential treatment for SARS-CoV-2 infection](#)
- [Immunodiagnostic of onchocerciasis: do we have the right tool to end the game?](#)
- [Stopping inflammation in its tracks](#)
- [T cells and melanomas – a potential predictive tool](#)
- [COVID-19 mortality and genetic predisposition](#)
- [Novel vaccines induce neutralising antibodies against Epstein-Barr virus in mice](#)
- [SARS-CoV-2 and partial resistance to remdesivir](#)
- [Enhancing the immune response: skin bacteria and the smallpox vaccination](#)
- [Leaky gut in COVID-19 and its impact on Neutrophil Extracellular Trap formation](#)
- [Where is single cell genomics taking the field of Immunology?](#)
- [TB diagnosis in children: metabolite biomarkers](#)
- [Atopic dermatitis and the skin microbiome](#)
- [Improving treatments for autoimmune diseases](#)
- [Developing monoclonal antibodies against SARS-CoV-2](#)
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- [SARS-CoV-2 and T-cell escape](#)
- [B cell signalling deficiencies – new insights into treatments](#)
- [SARS-CoV-2 and mucosal immunity](#)
- [The role of the PD-1 blockade in Mycobacterium tuberculosis infection](#)

- [Sugar and autoimmune diseases: what are the risks?](#)
- [B-cell immunity against SARS-CoV-2 in unexposed individuals](#)
- [Enhanced production of effective and personalised vaccines for cancer](#)
- [COVID-19: antigen-specific T cell response and immuno-metabolomic signatures](#)
- [Biomarkers to identify Mycobacterium tuberculosis-infection: finding the needle in a haystack](#)
- [T cells and skin disease](#)
- [B-cell immunity following SARS-CoV-2 mRNA vaccination – 6 months on...](#)
- [A potential mRNA vaccine for SARS-CoV-2 Omicron variant](#)
- [More than a gut feeling: The implication of gut microbiota in the pathology of Alzheimer's Disease](#)
- [MAIT cells – a new target for future immunotherapies and vaccines](#)
- [Immune memory in the intestine: new insights into “innate memory”](#)
- [A new tool fight SARS-CoV-2: an ACE2-blocking antibody](#)
- [Novel HIV-1 variant found in Netherlands: the implications](#)
- [Understanding the immune system and COVID-19: New insights](#)
- [Ovarian cancer and immune evasion](#)
- [A new TB vaccine – is it cost-effective and efficient?](#)
- [More SARS-CoV-2 variants?](#)
- [HIV vaccine progress](#)
- [A nanoparticle based vaccine for SARS-CoV-2 neutralization and protection](#)
- [Predicting transplant rejection using proteoforms](#)
- [Epstein-Barr Virus found to trigger Multiple Sclerosis](#)
- [Treatment with interferon-λ confers protection from SARS-CoV-2 variants – Beta and Omicron](#)
- [Th17 and Multiple Sclerosis \(MS\)](#)
- [A potential end to peanut allergies?](#)
- [Why is SARS-CoV-2 Omicron less severe than Delta?](#)

- [A new target for TB treatment with great potential](#)
- [Formation of tertiary lymphoid tissue: fighting chronic inflammation](#)
- [Our natural defence to skin cancer – new insights](#)
- [Can we use cannabinoids to block SARS-CoV-2 viral entry?](#)
- [Toothpaste – a trigger for gut inflammation](#)
- [How do immune cells invade tissue?](#)
- [T-cell response to SARS-CoV-2 Omicron](#)
- [B cell lymphomas and the role of TET enzymes](#)
- [Changes in SARS-CoV-2 Omicron variant spike protein](#)
- [Resistance to key antimalarial drug?](#)
- [COVID-19 and idiopathic pulmonary fibrosis \(IPF\)](#)
- [Can fat help us combat infection?](#)
- [Antibody profile in response to SARS-CoV-2 – serological profile and specificity of maternal and neonatal cord blood](#)
- [Germline mutations in innate immunity associated with the risk for breast cancer: case of C-reactive protein](#)
- [New Insights into the diagnosis, prognosis and monitoring of Multiple Myeloma: What's the role of the Heavy/Light Chain Assay?](#)
- [Antiretroviral therapy influences tumour development in patients with HIV](#)
- [Promotion of protective anti-tumour CD8+ T cell immunity – a new treatment for tumours](#)
- [Alzheimer's Disease – a potential vaccine?](#)
- [Immune system evasion – the HIV-infected cell](#)
- [Improving existing malaria vaccines – new insights](#)
- [Detection of autoantibodies in patients with multisystem inflammatory syndrome in children \(MIS-C\)](#)
- [Immunotherapy – new insights into how CD8+ T cells become unresponsive to treatment](#)
- [Predicting response to immunotherapy in patients with clear cell renal cell carcinoma \(ccRCC\)](#)
- [Pregnancy and its influence on the immune response to SARS-CoV-2](#)
- [Toxoplasma gondii-Induced Neutrophil Extracellular Traps](#)

Activate Neutrophils and promote T cell recruitment

- Neutrophils as potential early indicators of tuberculosis severity
- Microbial fitness and IgA – a balancing act for the intestinal flora
- Malaria Vaccine Breakthrough: Shaking or Stirring the Field?
- A novel immunogene CD47-targeting therapy inhibiting tumour growth
- A novel inhibitor of dengue virus
- Variations in leukocytes – three months following mild COVID-19 infection
- Insights into the development of the blood and immune systems in prenatal bone marrow
- New hope – a potential new treatment for sepsis
- Identification of D6R and C5aR2 as key molecules with the potential to combat inflammatory diseases
- Microglial cells – immune cells of the CNS breaking down harmful proteins in the brain
- A new cell type contributing to inflammatory skin diseases
- How does vitamin A enter our intestinal immune cells and what are the implications?
- Neutrophilic aid – extracellular traps to enhance macrophage directed bacterial killing
- A new tool for predicting COVID-19 severity and prognosis
- Ad26.CoV2.S vaccine significantly boosts pre-existing SARS-CoV-2 specific antibodies but not CD4 T cell immune responses
- A potential new biomarker for Preeclampsia
- Reprogramming the Tumour Microenvironment – Improving Cancer Survival
- Does B.1.351 SARS-CoV-2 variant escape T cell immune responses?
- Neutrophil dominance leads to protection from P. falciparum blood-stage merozoites

- [A novel pathway of immune and host cell evasion by Mycobacterium tuberculosis](#)
- [Pre-clinical evaluation of a vaccine that induces both SARS-Cov-2 and yellow fever virus immunity.](#)
- [Can neutrophils adopt antigen-presenting cell functions, and if so how?](#)
- [IUIS Webinar: HIV prevention- antibodies and vaccine development \(part 2\)](#)
- [IUIS Webinar: HIV prevention- antibodies and vaccine development \(part 1\)](#)
- [Potent neutralising antibodies against SARS-CoV-2 variants of concern.](#)
- [World Hepatitis Day: proof of concept HCV nanoparticle vaccine](#)
- [Immunogenicity of heterologous SARS-CoV-2 vector vaccine prime-mRNA vaccine boost vaccination strategy](#)
- [Global Immunotalks Highlight: Immune responses after dengue virus infection: friend or foe?](#)
- [What does HLA-DR expression on CD4 T cells indicate?](#)
- [IUIS-Immunopaedia-Frontiers Webinar: Immunopathology of COVID 19 lessons from pregnancy and from ageing](#)
- [Could infection with other viruses provide protection from SARS-CoV-2?](#)
- [Microbes prime foetal immune cells during early human development](#)
- [The role of emergent food allergies in rethinking vaccine strategies](#)
- [How Sickle-trait hemoglobin protects against severe Plasmodium falciparum malaria](#)
- [HIV-1 and TB coinfection skews the SARS-CoV-2 T cell response](#)
- [WNT7A: The new marker for resting T cells](#)
- [Does serial administration of HIV-specific VRC01 bnAbs prevent HIV acquisition?](#)
- [An update on the Shock and kill HIV cure strategy](#)
- [IUIS-Immunopaedia-Frontiers Webinar: Clinical representation of hyperinflammation](#)

- [IUIS-Immunopaedia-Frontiers webinar: In-depth characterisation of immune cells in Ebola virus.](#)
- [BCG reduces all-cause infectious diseases in the first 6 weeks of life in infants!](#)
- [IUIS-Immunopaedia-Frontiers webinar: Getting to the “bottom” of arthritis](#)
- [Immuno-Colombia: Overview of immunotherapy](#)
- [Immuno-Colombia: Therapeutic cancer vaccines](#)
- [Immuno-Colombia: Tumour infiltrating lymphocyte therapy \(Part 2\)](#)
- [Immuno-Colombia: Tumour infiltrating lymphocyte therapy \(Part 1\)](#)
- [Immuno-Colombia: MDSCs promote tumour growth and escape](#)
- [Immuno-Colombia: Anti-cytokine therapies \(Part 2\)](#)
- [Immuno-Colombia: Anti-cytokine therapies \(Part 1\)](#)
- [Immuno-Colombia: Checkpoint Blockade-based Therapies \(Part 2\)](#)
- [Immuno-Colombia: Checkpoint Blockade-based Therapies \(Part 1\)](#)
- [Exploring characteristics of COVID-19 to guide public health policies & therapeutic interventions.](#)
- [C5a-C5aR1 axis plays a role in cobra venom immunopathology.](#)
- [Antibody response to vaccination post-COVID-19 infection](#)
- [Aged Neutrophils support tumor metastasis](#)
- [P.falciparum secretes extracellular vesicles with functional 20S proteasomes to prime RBCs for parasite invasion](#)
- [Pregnant women show elevated levels of anti-inflammatory glycosylation patterns of IgG antibodies](#)
- [First report on Effectiveness of HPV Vaccination in LMICs – Rwanda and Bhutan](#)
- [Does ACE2 expression & cytotoxic lymphocyte levels indicate a risk factor for COVID-19?](#)
- [Immunopathogenesis of Autoimmune Hepatitis](#)
- [B1.351 \(501Y.V2\) induces cross-reactive Ab responses to other SARS-CoV-2 variants.](#)

- [IUIS-Immunopaedia-Frontiers Webinar on Immunology taught by P. falciparum](#)
- [Is tumour circulating DNA a better tool for cancer diagnostic and prognostic than immunological biomarkers?](#)
- [HPV & HIV infection are associated with high levels of activated CD4 T cells in the cervix uteri](#)
- [Predicting tissue graft outcomes using immune markers](#)
- [JoAnne Flynn: BCG IV vaccination induces sterilising M.tb immunity.](#)
- [Flynn Webinar: What immune cells play a role in protection against M.tb re-infection?](#)
- [Flynn Webinar: Immune features associated natural infection](#)
- [BCG vaccination reduces infection in the elderly](#)
- [Exploratory study investigates the relationship between recent vaccinations and SARS-CoV-2 infection rates.](#)
- [Statins: improved survival rates and reduced mortality rate in COVID-19 patients.](#)
- [Myeloid-derived suppressor cells: drivers of severe COVID-19 disease?](#)
- [Webinar on harnessing innate immunity from cancer therapy to COVID-19](#)
- [Uterine NK cell differentiation during the menstrual cycle and pregnancy.](#)
- [Global ImmunoTalk on dissecting the interaction of parasites with the immune system](#)
- [Researchers may have found a way to “cure” cat allergies?](#)
- [The antibody response to SARS-CoV-2 501Y.v2 variant and vaccine implications](#)
- [Do mutations in SARS-CoV-2 variants reduce the functional activity of mRNA-vaccine elicited Abs?](#)
- [IUIS/Immunopaedia-Frontiers Webinar on Immunoregulation and the tumor microenvironment](#)
- [Are current putative COVID-19 vaccines effective against the B.1.351 variants?](#)
- [Phase 2a trial provides evidence for potential](#)

[pancreatic cancer immunotherapy](#)

- [COVID-19 is associated with increased MAIT cell activation and cytotoxicity](#)
- [Saliva viral load could be a potential correlate of severe COVID-19](#)
- [Mutations in SARS-CoV-2 B.1.351 variant reduces vaccine induced Ab neutralisation](#)
- [Immuno-metabolism and cognitive decline](#)
- [Ad26.COV2.S is safe and immunogenic](#)
- [SARS-CoV-2-specific Memory B cells persist up to 8 months post infection.](#)
- [Gene editing as a potential sickle cell disease immunotherapy.](#)
- [Not all SARS-CoV-2 mutations lead to reduced antibody neutralisation capacity](#)
- [Development of a serological diagnostic of Johne's Disease](#)
- [Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine](#)
- [Lack of interference by type I interferons leads to severe COVID-19](#)
- [BNT162b2 and ChAdOx1 nCoV-19 COVID-19 vaccine efficacy results](#)
- [Potential vitiligo immuno-therapeutic: antigen-specific CAR-Tregs](#)
- [Vaccine elicitation of engineered HIV-specific B cells: inducing bnAbs](#)
- [Which COVID-19 vaccine will be the most effective?](#)
- [SARS-CoV-2 serological assay on-a-chip.](#)
- [How does SARS-CoV-2 evade the immune defences?](#)
- [Investigating Ebola immunity using single cell technologies](#)
- [Investigating the role of surfactants during TB using the lung-on-a-chip model](#)
- [Gut Inflammation Linked to a Debilitating Skin Condition](#)
- [Safety and immunogenicity of Sputnik V vaccine](#)
- [SARS-CoV-2 mRNA-1273 vaccine shows signs of potential efficacy](#)

- [Pfizer and BioNTech COVID-19 vaccine](#)
- [The role of Galectin-3 in the tumor microenvironment](#)
- [Developing an oral polio vaccine that does not cause vaccine-associated polio](#)
- [Meningeal-IgA+ plasma cells contribute to CNS-immunity](#)
- [Should we consider aerosol vaccines for COVID-19](#)
- [Testing potential neonatal sepsis drugs using a murine neonatal sepsis.](#)
- [Granuloma formation during S.mansoni infection: protective or pathogenic?](#)
- [Impact of intermediate hyperglycaemia and diabetes on immune dysfunction in TB](#)
- [NIX is essential for systemic metabolic reprogramming of immune cells mediating tuberculosis protection](#)
- [NIH COVID-19 lecture on SARS-CoV-2 mRNA vaccine](#)
- [Auto-antibody responses to type I IFNs is a clue to severe COVID-19](#)
- [Do lipid bodies play a role in innate immunity?](#)
- [Trained Immunity in Dogs.](#)
- [NIH COVID-19 lecture on SARS-CoV-2 neutralising antibodies](#)
- [Why is flu vaccine induced immunity short-lived?](#)
- [Molecular mimicry: perfect match propels pathologies](#)
- [SAIS/Immunopaedia Webinar: Immuno-thrombosis & COVID-19](#)
- [Safety and immunogenicity of the SARS-CoV-2 mRNA-1273 vaccine candidate in older age.](#)
- [Genetically modified Lactococcus lactis- A potential microbial therapeutic for acute colitis?](#)
- [IUIS Webinar: Impairment of the immunological and neurological synapses by respiratory viruses](#)
- [Safety and immunogenicity of the Ad26.COV2.S COVID-19 vaccine candidate.](#)
- [Why do people with the Dantu blood group have a lower risk of developing malaria?](#)
- [Boosting of antibody responses against the V2 and V3 region of the HIV-1 Env](#)
- [SAIS/Immunopaedia COVID-19 Webinar on Severe vs mild](#)

COVID-19 immunity, and intersection between Nicotinamide pathway & COVID-19.

- A mechanism for severe COVID-19 in patients with obesity and diabetes?
- HIV Viral reservoir: quality rather quantity matters
- We need innovative tools to diagnose Coeliac disease
- IUIS Webinar: Tracking SARS-CoV-2 in Ghana
- Inclusion of non-spike proteins in SARS-CoV-2 vaccines may be important for the induction of protective T cell memory.
- CD229 CAR: New therapy for multiple myeloma
- Immuno-Algeria: Drug hypersensitivity in TB/HIV endemic settings
- SAIS/Immunopaedia Webinar on BCG & COVID-19
- Male and female immune responses to SARS-CoV-2 substantially differ.
- How the Regulator is Regulated: Insight into immune-related Protein holds therapeutic value
- Immuno-Algeria: Non-invasive allergy biomarkers & next-gen immunotherapies
- Are Lung microbial products driving hyperinflammation in severe COVID-19?
- IUIS Webinar: COVID-19 & Immune Compromise
- SARS-CoV-2 infection of the placenta
- Immuno-Algeria: Microbial dysfunction & allergy
- Can saliva be used to test for antibodies to SARS-CoV-2?
- SAIS/Immunopaedia Webinar: COVID-19 Vaccines
- COVID-19 & Multisystem inflammatory syndrome in children
- Do SARS-CoV-2-specific T cells confer long-lived protection?
- Immuno-Algeria: Allergic activity of IgE binding molecules
- Convalescent plasma therapy for COVID-19 is safe.
- IUIS Webinar: Stress dampens anti-viral immunity
- COVID-19 in vitro studies: Use the right cell line
- SAIS/Immunopaedia Webinar: Antibody responses and serology testing

- [Immuno-Algeria: IgE & its receptors as a pharmacological targets](#)
- [SARS-CoV-2 monoclonal antibodies as potential COVID-19 treatment.](#)
- [IUIS Webinar: Predicting survival and severity of COVID-19](#)
- [Treating COVID-19 with immunoglobulins, should we be cautious?](#)
- [RNA-based vaccine BNT162b1 induces robust IgG and T cell immunity](#)
- [IUIS Webinar: Longitudinal COVID-19 Immune Profiling](#)
- [Immuno-Algeria 2020: Cellular components of the allergic response](#)
- [Tissue tolerance in COVID-19](#)
- [Does the D614G mutation in SARS-CoV-2 spike protein result in the virus being more susceptible to neutralization by the host?](#)
- [Is blocking inflammatory cell movement using chemokine receptor antagonists the way to go?](#)
- [Is there a role of T cells in immune protection to SARS-CoV-2 infection and COVID-19?](#)
- [Immuno-Algeria 2020: Introduction to allergy and molecular diagnosis](#)
- [Rapid decay of IgG to SARS-CoV-2 in people with mild COVID-19](#)
- [The “topology” of the immune response to COVID-19](#)
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- [Critically ill COVID-19 patients show evidence for extrafollicular B cell activation](#)
- [Immuno-Ethiopia: Xenodiagnosis of Leishmaniasis](#)
- [ChAdOx1 nCoV-19 vaccine is safe and immunogenic](#)
- [Targeting COVID-19 immunopathology using rapamycin](#)
- [Development of a potent SARS-CoV-2 nAb using llamas](#)
- [mRNA Vaccine against SARS-CoV-2 induces robust Ab responses](#)
- [IUIS Webinar: Seeking correlates of COVID-19 protection](#)

and pathology

- Immuno-Ethiopia: Anti-leishmania Immunity
- COVID-19 & GIT symptoms
- IUIS Webinar: COVID-19 Monoclonal Abs
- Aging & COVID-19
- Immuno-Ethiopia: Sand flies & Leishmaniasis
- Innate T cells & severe COVID-19
- Multi-organ damage is a hallmark of severe COVID-19
- IUIS Webinar: COVID-19 in South Africa
- Are polymorphisms in the ACE2 locus important for COVID-19 severity?
- Immuno-Ethiopia: Genetics of Fungal Immunology
- Do mutations in the SARS-CoV-2 spike protein enhances viral infectivity?
- Will the COVID-19 pandemic result in significant neuropsychiatric sequelae?
- IUIS Webinar: Involvement of C5a-C5aR1 axis in COVID-19 pathology
- How effective is Dexamethasone for the treatment of patients with COVID-19?
- SARS-CoV-2-specific IgG and IgM in asymptomatic individuals wane quickly
- Does breast milk contain SARS-CoV-2?
- Are blood groups associated with severe COVID-19 respiratory failure?
- Development of an inactivated vaccine candidate for SARS-CoV-2
- IUIS Webinar: Understanding Infection and Immunity of SARS-CoV-2
- IUIS Webinar: Respiratory Immunity and COVID-19
- Identification of two B cell epitopes that induce neutralising Ab in COVID-19 patients
- COVID-19 vaccines: can alum based adjuvants improve induction of nAbs?
- What evidence is there for pre-existing antibody responses to SARS-CoV-2?
- Is COVID-19 an endothelial disease?

- [A recombinant adenovirus type-5 vectored COVID-19 vaccine appears safe and immunogenic in a first-in-human trial.](#)
- [SARS-CoV-2 monkey model shows protection from re-infection.](#)
- [An exuberant inflammatory host response to SARS-CoV-2 leads to COVID-19.](#)
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- [SARS-CoV-2 infection in young children and Kawasaki-like disease.](#)
- [No evidence that BCG vaccination can protect against SARS-CoV-2 infection.](#)
- [Do we have more T cell immunity to SARS-CoV-2 than we think?](#)
- [Is the rapid generation of neutralizing antibodies to SARS-CoV-2 good news for preventing reinfection?](#)
- [The current status of COVID-19 immunology](#)
- [IUIS Webinar: Trained immunity and BCG vaccination: a tool against COVID-19?](#)
- [A nail in the coffin of \(hydro\)chloroquine treatment against COVID-19?](#)
- [SARS-CoV-2 found in semen.](#)
- [Can anti-HIV drugs, Lopinavir and Ritonavir, be used to treat patients with severe COVID-19?](#)
- [Can the Cytokine Release Syndrome in COVID-19 patients be treated using CCR5 blocking antibody therapy?](#)
- [IUIS Webinar: Adaptive Immunity in COVID-19](#)
- [Can a Chimpanzee vector vaccine prevent SARS-CoV-2 pneumonia?](#)
- [Getting to the guts of SARS-CoV-2 infection](#)
- [Cigarette smoke triggers increased ACE-2 expression in the lung](#)
- [Respiratory disease and viral shedding in rhesus macaques inoculated with SARS-CoV-2](#)
- [IUIS Webinar: What cancer immunologists are doing about COVID-19 ?](#)
- [BCG induced trained immunity & COVID-19](#)

- [Is there a SARS-CoV-2 receptor \(ACE2\) expression difference between males and females?](#)
- [Roles of different anti-SARS-CoV-2 antibodies in COVID-19 disease and protection](#)
- [Exaggerated immune response to Covid-19](#)
- [Can neonates born to mothers with COVID-19 acquire maternal infection ?](#)
- [Mutation in the Spike protein may explain higher infectivity of SARS-CoV-2 and accelerated disease.](#)
- [IUIS Webinar: Global outbreaks – Interferons as 1st responders](#)
- [An inventory of the vaccine candidates to SARS-CoV-2](#)
- [COVID-19: extending or relaxing distancing control measures](#)
- [Is a self-amplifying RNA SARS-CoV-2 lipid nanoparticle a good vaccine candidate?](#)
- [SARS-CoV-2 transmission exploits existing secretory pathways in the nasal cavity: a vaccine/drug target?](#)
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- [Can two FDA-approved drugs be re-purposed to clear SARS-CoV-2 infection?](#)
- [Should we consider SARS-CoV-2 human challenge models for vaccine testing ?](#)
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- [miRNA carried by NETs modulate macrophage function](#)
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- [The Vaccinology course, if you are in the vaccine-world, you shouldn't miss it!](#)
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- [New fungus-derived antibiotic: relief in sight for immunocompromised people](#)
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- [Rethinking HIV remission strategies: end of the road for anti- \$\alpha 4\beta 7\$?](#)
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- [Class-switch recombination of antibodies occurs prior to germinal center formation.](#)

- [Can anti- \$\alpha 4\beta 7\$ really “cure” SIV infection in ART interrupted NHPs ?](#)
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- [Is Yellow fever vaccination safe for HIV+ individuals?](#)
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- [Does HIV-env vaccination strategy affect the recognition pattern of IgG responses?](#)
- [Does dysbiosis of the GIT microbiome enhance the neutrophils survival and chronic inflammation in HIV+ individuals?](#)
- [Dual BCR and TCR co-expressing lymphocyte could play a role in T1D pathogenesis.](#)
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- [How are CD8 responses against the malaria liver stage antigens primed ?](#)
- [Contributions to the understanding of the cellular immune response elicited by Brucella canis](#)
- [IL-7R \$\alpha\$ lo KLRG1hi cells are not always short lived effector cells](#)
- [Dual bNAb therapy can maintain HIV viral suppression](#)
- [A first-in-human antibody–drug conjugate: Hope for patients with advanced solid tumours?](#)
- [Targeting the metabolic profile of latently infected](#)

macrophages as a potential treatment for HIV

- PD-1/PDL1 pathway in the maintenance of maternal-foetal immunotolerance
- How does the complement cascade result in pore formation in Lampreys
- HIV complications: inflamma-aging or increased activation ?
- Does BCG improve de novo malaria immunity ?
- Hematopoietic stem cell transplantation cures HIV
- Do neutrophils play a role in age-associated increase in flu mortality?
- Do NK cells play a role in vaccine induced humoral immunity ?
- ICOS: is it essential for Treg-IL10 expression in the colon?
- How does IL-27 attenuate autoimmune neuroinflammation?
- CNS-neuroinflammation: not all myeloid cells are responsible
- Immunosenescence: how does it affect vaccine Ab responses ?
- Recurrent Strep throat: when TFH cells “turn on” you
- TB episode following PD-1 blockade
- Can a vaccine prevent ZIKV associated fetal abnormalities ?
- Does mucosal BCG vaccination induce “protective” immunity ?
- Are CD8+ and DN MAIT cells distinct populations ?
- What can ZIKV-CD8 T cells do ?
- Can some Tfh cells produce IFN- γ ?
- Have you heard of the ESAT-6 free IGRA ?
- Are distinct monocyte subsets associated with severe Chagas diseases?
- Does HIV superinfection induce an additive or synergistic Ab effect?
- Where do memory B cells get reactivated?
- Strain specific host restriction of recurrent UTIs
- News 2018

- [TLR-agonist and Salmonella are potential antimelanoma immunotherapy](#)
- [Plasmablast formation: which T helper phenotype is important?](#)
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- [2018: The year of hope for TB vaccines](#)
- [Is CD153 essential for M.tb control ?](#)
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- New hope from chronic HBV patients: non-replicative Ad-HBV vaccine
- Have you heard of analytic treatment interruption of HIV ART?
- A novel function of the antihelminthic drug Praziquantel: new strategy for combatting schistosomiasis
- What is the incubation period of TB?
- E-cigarettes may not be a healthier alternative to traditional cigarettes.
- $\alpha 4\beta 7$ -MAdCAM interaction promotes HIV replication.
- Comparing H56 responses in NHP and humans using mathematical modelling.
- Fatal SFTSV is associated with defective B cell responses
- Potential treatment for metastatic colorectal cancers: T cell engaging bispecific antibodies
- How do $\gamma\delta$ T cells control humoral immunity ?
- Can antibiotic treatment improve Rotavirus immunogenicity?
- Clade C RV144-like vaccine is immunogenic.
- Can B cell responses predict resolution of Lyme Disease?
- Can profiling CD8 T cell responses from Ebola Survivors improve vaccine design?
- Can platelets directly kill Plasmodium sp. ?
- Can viral Immunogenicity govern DENV epidemiological fitness ?
- How do tuft cells induce Type 2 Responses?
- CD32: marker of HIV reservoir?
- New Hope for TB Vaccines
- HIV vaccine induces similar responses in humans and rhesus macaques.
- Ontogeny of MAITs
- Public Antibody Clonotypes observed in HIV+ individuals.

- [Another use for BCG, potential Diabetes cure?](#)
- [Can testosterone regulate B cell numbers?](#)
- [Initial Immune Responses to TB in the Human Lung](#)
- [Antibody-based vaccine protects against 31% of HIV isolates](#)
- [Natural infection improves breadth of vaccine induced memory](#)
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- [Resident CD8+ T cells restrain HIV replication in elite controllers](#)
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- [First Animal Model of Rasmussen's encephalitis](#)
- [Engineering IL-2 cytokine-receptor complexes to improve cancer immunotherapy](#)
- [Reduced Flu severity due to high fibre diet](#)
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- [Human mAbs protects against Zika Neuropathology in Mice](#)
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- [Cyto2018 Highlight: Immune Clock of Pregnancy](#)
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- [How do mesenchymal stem cells alleviate severe asthma symptoms?](#)
- [Improved tetramer staining protocol detects functional T cells with low affinity TCRs](#)
- [Harmless \$\gamma\delta\$ T cells associated with *Corynebacterium* sp. can be harmful during immune dysregulation](#)
- [Cancer Immunotherapy is associated with changes in innate immunity](#)
- [Paratuberculosis in Cattle: Differences in WC1+ \$\gamma\delta\$ T cells responses to stimulation with PPD-J](#)
- [Serum IgA induced by commensal microbes protects against sepsis](#)
- [Improved T cell detection by Peptide-MHC dodecamers compared to tetramers](#)
- [Not all RV144 vaccine induced IgA responses are bad.](#)
- [Profiling MAITs during Multiple Myeloma](#)
- [How does anti-TNF treatment affect TB granuloma formation?](#)
- [Immunoregulatory effects of Vitamin B5 during *M.tb* infection](#)
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- [CD45.1 vs CD45.2 B6 mice more than an isoform difference.](#)
- [Potential therapeutic use of H. pylori for asthma](#)
- [Local signals matters: implication for CD8 T cell function against Leishmania](#)
- [Influenza-specific lung resident CD8+ T cells maintain diverse TCR profiles](#)
- [Influenza-specific lung TRM maintain diverse TCR profiles](#)
- [ILCs homeostasis in Psoriatic Arthritis](#)
- [MAITs respond differently to ZIKV and DENV](#)
- [H5VLP-GLASE unlike H5VLP-alum induces both Ab and T cell responses](#)
- [Non-cytotoxic function of HIV-specific rectal CD8+T cells](#)
- [Measuring T cell proliferation using the “Warburg” effect.](#)
- [Re-developed live attenuated Cholera vaccine, is it safe?](#)
- [Is kick-and-kill HIV cure strategy achievable?](#)
- [T-bet expression negatively affects T cell lung homing during TB](#)
- [T follicular helper cells are essential for generating nAb during chronic-infection.](#)
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- [Immunological T and B cell Diversity of the Human Penis](#)

- [How does hyperglycemia lead to aggressive cancer?](#)
- [We need new HAB/HBV vaccine strategies for HCV/HIV infected individuals.](#)
- [Dengue specific-CD8 T cell responses but not Abs provide protection against Zika](#)
- [Patho-physiological implication of NET in COPD patients](#)
- [Phase 1 Zika vaccine trial shows promise](#)
- [SAHGP Pilot: Southern Africans are more diverse than expected](#)
- [News 2017](#)
 - [Whole M.tb inherently induce highly differentiated T cells compared to H56 vaccination](#)
 - [Kai 1 and Kai 2, new Dog Erythrocyte Antigens: implications for clinical practice](#)
 - [Expression of CD40L by CD8 T cells promotes autologous activation and differentiation](#)
 - [Vaccine induced T cell immunity, antigen localisation in bacterial vector matters](#)
 - [Functional antibody immunity 40 years post Ebolavirus exposure](#)
 - [Immunomodulatory effect of lactic acid on the female reproductive tract](#)
 - [Elevated Th17 cells in “healthy” overweight children](#)
 - [Transphagocytic CD4+ T cells are true APC capable of inducing functional CD8 memory cells](#)
 - [Potential serological test capable of distinguishing Zika from Dengue infections](#)
 - [RTS,S/AS01E induces robust central memory responses to HBsAg but not to CSP](#)
 - [CD161+CD4+ T cells depleted at the Cervix during HIV Infection](#)
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microbiome

- Link between schistosomiasis and HIV susceptibility
- IL-10+ Th1 T cells associated with reduced malaria parasitemia
- Is HIV becoming more resistant over time?
- Pre-diabetes associated M.tb-specific T cell dysfunction
- Insight into immune activation caused by Ebola virus
- Highlights from the Infectious Disease (ID) Week 2017 Conference
- Effect of BCG vaccination on HIV-exposed infants
- Mechanism behind malaria-induced autoimmunity
- Lung on a chip model recapitulates lung cancer pathology and therapy
- Antibody cocktail to prevent Zika infection in pregnant women
- Antibody-drug dual combination to fight cancer
- Block-and-lock strategy to cure HIV
- Memory responses are not restricted to immune cells
- Pharmacological treatment of lymphedema
- How effective are anti-TNF- α agents in treating sarcoidosis?
- Regulatory T cells delay clearance of malaria through CTLA-4
- Role of horsepox in smallpox vaccine
- Short chain fatty acids improve inflammation of the eye
- Probiotics induce double-positive intraepithelial lymphocytes
- Environmental factors associated with asthma development
- CXCL13 predicts development of HIV-specific antibodies
- HPV-positive cancer cells are dormant in low

oxygen conditions

- IL-4-producing B cells shift T cells to Th2 responses
- Type I interferons are important in anti-helminth Th2 immunity
- Trispecific antibody for HIV therapy
- Antibodies protect against cytomegalovirus infection
- Investigating HIV RNA expression during antiretroviral therapy
- Gut bacteria induce pro-inflammatory response in MS
- Severity of leishmania infection depends on time of day
- Multi-site injections enhance immune responses
- Histamine releasing factor makes host vulnerable to malaria
- Plasmodium infection promotes bone loss
- Antibodies with incomplete neutralization protect against SHIV
- Inflammation associated with chronic fatigue syndrome
- Next-generation RTS,S-like malaria vaccine
- Zika virus replication in female genital tract
- HIV Nef protein implicated in cardiomyopathy
- Interaction between microbiome and urogenital schistosomiasis
- Terminal differentiation of T cells during CMV & HIV infection
- Role of IL-7 receptor in tuberculosis
- Langerhans cells affect HIV transmission
- Breastfed children less susceptible to asthma attacks
- Cerebral cavernous malformations enhanced by microbiome
- Child maintains HIV remission without drugs
- Garlic treats dengue virus inflammation

- [Candidate heroin vaccine effective in primate model](#)
- [Helminth protection by innate Type 2 immunity](#)
- [Diabetes vaccine in sight](#)
- [Cow immunizations generate broad HIV antibody responses](#)
- [Resident T cells improve melanoma prognosis](#)
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- [Dorsal foreskin cutting for effective HIV prevention](#)
- [Type III IFNs in Hepatitis E persistence](#)
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- [Microbiota in T cell survival](#)

- [Early Introduction of Peanuts Prevents Allergies](#)
- [MyD88-mediated cells against C. rodentium identified](#)
- [Cross-reactive antibodies for Ebola vaccine](#)
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