Breaking News

- 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-β 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**
- **Our immune system...in space**
- **kidney-on-a-chip – cancer and immune insights**
- **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**
- **More robust immune systems in children from rural areas**
- **Mapping macrophage diversity in liver diseases**
- **T cells and type 1 diabetes prevention**
- **The potential of T cell activation markers for TB diagnostic development**
- **The landscape of human cornea – immune cells**
- **Immunoregulation in the brain – new insights**
- **Mitochondrial disorder linked to a weaker immune response**
- **Allergen sensitization – insights into atopic dermatitis and other skin disorders**
- **Key discovery in our battle against HIV**
- **MS, inflammation and the brain – new insights**
How melanoma evades the immune system
B cells and PCOS
Single-cell RNA sequencing – new insights into cancer
New insights into inflammation
How metabolic rewiring influences macrophage function
Early loss of a parent may impact our immune systems
Lupus and the microbiome – the flare
Anti-tumour T-cell activation from B-cells
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
Modelling the brain – new insights
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
• The immune system and liver disease – new insights
• The immune system – new insights
• 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-γ 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 γδ 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
- TB treatment with diabetes comorbidity: new insights
- 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 immunometabolomic 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: Immunothrombosis & 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
- 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
- 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
- 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
- IUIS Webinar: Utilising Ramos B cell engineering to measure SARS-CoV-2 Ab responses
- 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 enhance 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?
- SARS-CoV-2 monkey model shows protection from re-infection.
- An exuberant inflammatory host response to SARS-CoV-2 leads to COVID-19.
- IUIS Webinar: Role of cellular responses in COVID-19
- 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?
- 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?
- The role of complement in COVID-19 pathogenesis.
- Scientific Response to COVID-19 Video
- 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?
- Mask wearing to reduce the spread of COVID-19
- Development of inactivated SARS-CoV-2 vaccines
- Cytokine Release Syndrome & COVID-19
- COVID-19 Antibody Immunology Video
- Uncertainty is hampering doctors’ ability to treat COVID-19
- Detection of SARS-CoV-2 nAbs in cats
- Susceptibility of domestic animals to SARS-CoV-2
- Indian population could have intrinsic immunity to resist COVID-19 challenge
- Viral dynamics in mild vs severe COVID-19
- SARS-CoV-2 transmission and mask wearing.
- Convalescent sera option for containing COVID-19
- Potential SARS-CoV-2 & COVID-19 Vaccines
- COVID-19 Vaccinology Videos
- Chloroquine treatment and COVID-19
- Exhaustion of antiviral NK and CD8 T cells in SARS-CoV-2 infection
- The different clinical characteristics of COVID-19 between children and adults.
- Safety considerations in laboratory practice when testing specimens from patients suspected or infected with SARS-CoV-2
- A serological assay to detect SARS-CoV-2 seroconversion in humans
- Where did SARS-CoV-2 come from?
- Faecal shedding of SARS-CoV-2
- COVID-19 spurs interest in preprints and improves scientific collaboration
- BCG & COVID-19
- Potent neutralizing antibodies isolated from COVID-19 patients
- The potential benefit of high-dose intravenous Ig in severe COVID-19
- SOLIDARITY TRIAL: Testing existing drugs to treat COVID-19
- Why is COVID-19 so mild in children?
- SOLIDARITY TRIAL: WHO COVID-19 treatment trial
- Could blood groups influence COVID-19 disease severity?
Why are hypertension and diabetes patients at high risk of severe COVID-19?

The Origin of SARS-CoV-2

Does COVID-19 have a seasonal pattern?

Broad-spectrum Antiviral Inhibits SARS-CoV-2

Hypothetical pathogenesis of SARS-CoV-2 infection in humans

COVID-19 — Cytokine storm syndromes and immunosuppression

WORLD TB DAY: COVID-19 & TB

Kinetics of Immune Response in a Mild COVID-19 Patient

Immuno-Ethiopia: Fungal epidemiology and immunology

Immuno-Ethiopia: Malaria Highlight 2

Immuno-Ethiopia: Malaria Highlight 1

Single-cell RNA-Seq of BAL samples from COVID-19 patients

Type I interferon co-stimulation of MAIT cell function

The (Un)usual Suspect—Novel Coronavirus Identified

Murine model of coeliac disease

miRNA carried by NETs modulate macrophage function

Does mumps immunity induced by 2 doses of MMR wane in adulthood?

Fever: A positive regulator of Th17 mediated inflammation

T cells altered by CRISPR may be safe to use in cancer patients

DENV-infection induces two major CD8 T cell memory subsets

Repurposing of a drug for alcoholism to treat cancer

Measles induced immunological amnesia

SEPSIS is WANTED!

Discovery of novel cancer signalling mechanism

Macrophages and Cervical Cancer: What’s going on with the microenvironment?

How DNA outside cells can be targeted to prevent the spread of cancer

Solving the puzzle of IgG4-related disease, the elusive
- **autoimmune**
  - How the rice blast fungus “eats” its own cell wall to launch an attack
  - Can intravenous-BCG prevent M.tuberculosis infection?
  - How does group A Streptococcus evade immunity?
  - TB biomarker based on anti-Ag85B and 4 inflammatory molecules.
  - Immuno-Jaipur Highlight: Primary immunodeficiencies
  - Immuno-Jaipur Highlight: Clinical viral immunity
  - Immuno-Jaipur Highlight: MHC and Transplantation Immunology
  - Immuno-Jaipur Highlight: Part 2 of Day 4
  - Immuno-Jaipur Highlight: Day 4
  - Immuno-Jaipur Highlight: Part 2 of Day 3
  - Immuno-Jaipur Highlight of talks by Abul Abbas
  - Immuno-Jaipur Highlight: Insights into innate and adaptive immunity
  - IUIS-IIS-FIMSA-Immuno-Jaipur Report
  - IUIS Beijing ICI 2019
  - IDA Highlight: What’s New in anti-HIV humoral immunity.
  - IDA Highlight: Current state of malaria vaccines
  - IDA Highlight: Scanning the TCR repertoire to inform new TB vaccine targets
  - IDA Highlight: Possible barriers and opportunities for HIV cure
  - IDA Highlight: Not all levels of malaria exposure induce the same anti-malarial immunity
  - IDA Highlight: Immune responses to TB vaccines
  - IDA Highlight: CD4 T cells in HIV infection
  - Career Advice from IDA faculty that were once previous IDA Scholars
  - Lipid profiles key step to preventing breast cancer metastasis through epithelial-mesenchymal transition
  - The Vaccinology course, if you are in the vaccine-world, you shouldn’t miss it!
  - Investigating the immunological composition of the Kidney
CD27 expression identifies Th17 cells with high stemness properties
New fungus-derived antibiotic: relief in sight for immunocompromised people
HIV RV144 vaccine induces better responses in SA compared to Thailand
Rethinking HIV remission strategies: end of the road for anti-α4β7?
GLA-SE promotes superior Tfh expansion than Alum
Class-switch recombination of antibodies occurs prior to germinal center formation.
Can anti-α4β7 really “cure” SIV infection in ART interrupted NHPs?
New insights into the role of HPV oncoproteins and immune response in cervical cancer
Did you know neutrophils can help to form gallstones?
Can vaccinating cats against their own proteins reduce cat allergies in humans?
Use of future liposomal cancer oncology treatment
What other disease affect individuals with olive pollen allergies?
The Immune Function of Osteoclasts
TAK-003 induces functional DENV cross-reactive cellular immunity
Wild is better: in-bred mice born to wild mice resemble human responses
Do NK cells play an important role in anti-Trypanosomiasis immunity?
Are MAIT cells detectable in lymph?
Does S. mansoni treatment affect HIV susceptibility?
Investigating the HIV viral reservoir during acute infection
How does BCG affect early innate immune responses?
Sex associated differences to flu vaccination: role of estradiol?
Propagation of α-synuclein from the gut to brain – new causation for Parkinson’s disease?
Have you heard of Mycetoma?
How does plasmodial hemozoin contribute to cerebral malaria pathogenesis?
Are neutrophils in the tumor microenvironment friend or foe?
Animal models to measure mucosal innate immunity: zebrafish vs mice.
Development of natural murine model of Cryptosporidiosis
Does whole cell pertussis vaccination skew infection induced Ab profiles?
Is Yellow fever vaccination safe for HIV+ individuals?
The emerging role of IL-26 in fighting against intracellular microbes
T cell activation as a potential surrogate marker for TB treatment efficacy.
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.
M.tb resistors: M.tb uninfected or atypical IFN-γ-independent M.tb immune responses?
Course Highlight: 5th Vaccinology in Course
Immunoinformatics Mexico 2019: Immunologic plasticity, defense lines.
Immunoinformatics Mexico 2019: Part Two
Immunoinformatics Mexico 2019: Part One
Aiding Tuberculosis vaccine studies with the use of a mycobacterial growth inhibition assay
Further Support of the Emerging “Immunologic” Hypothesis in Mood and Eating Disorders
Immunopaedia goes to the XIII World Immune Regulation Meeting
Evolution of flu-vaccine induced B cell responses
- Antiviral pathways induced in the RV144 vaccine trial
- 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-7Rαlo 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?
- Organ specific replenishment of tissue resident macrophages
- IDA Highlights: Innate signatures of HIV vaccines
- IDA Highlights: TB vaccines
- IDA Highlights: HIV Immunity
- What’s behind Eosinophilic Esophagitis?
- IDA Highlights: Malaria
- IDA Highlight: TB is a complex disease
- IDA Highlights: Immune responses at mucosal sites

We are at the IDA this Week
- Intestinal helminth co-infection promotes control against lung migrating parasites
- Characterisation of porcine conventional DC subsets
- Where do uterine NK cells during pregnancy come from?
- Understanding follicular CD8 T cells during SIV infection
- Are alveolar macrophages M1 or M2 polarised?
- Identifying disease-associated populations in the age of big data
- IgD: the lesser known antibody
MAIT cell dysfunction during primary sclerosing cholangitis

How does bacterial-viral co-infection impact anti-viral immunity?

Antibodies and TLR7 agonist delays HIV viral rebound

Lower efficacy of tumour immunotherapy in obesity is due to elevated Leptin

2018: The year of hope for TB vaccines

Is CD153 essential for M.tb control?

Omentin-1 rescues inflammation-induced osteoporosis

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.

α4β7-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 γδ T cells control humoral immunity?

Can antibiotic treatment improve Rotavirus immunogenecity?

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
MGIA: potential role of trained immunity?
ALAI/SMI Highlight: Have you heard of IL-40?
Resident CD8+ T cells restrain HIV replication in elite controllers.
Latin American Immunology Congress, a cocktail of scientific breaking news.
ALAI/SMI congress: Hosts a Nobel Laureate and the 1st Iberoamerican Flow Cytometry Meeting
Immunopaedia goes to the Latin American Immunology Congress
ECTS2018 – Where scientific research and clinical practice meet
How does alum block induction of Th1 cells?
Does CXCL17 contribute to protection against herpes?
Vaccine induced monocyte activation contributes to decreased risk of SIV acquisition
Tuft cell tropism may aid norovirus pathogenesis
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
- CD4 T cell positioning in TB granulomas matters
- Have you heard of trained immunity?
- Human mAbs protects against Zika Neuropathology in Mice
- Commensal bacteria leverage IgA during colonisation
- Cyto2018 Highlight: Phenotyping DCs using 30 markers.
- Cyto2018 Highlight: Immune Clock of Pregnancy
- Have you heard of TPMs?
- Metabolic reprogramming: Novel strategy to improve cancer immunotherapy
- Do monocytes contribute to heamolytic ureamic syndrome?
- How do mesenchymal stem cells alleviate severe asthma symptoms?
- Improved tetramer staining protocol detects functional T cells with low affinity TCRs
- Harmless γδ 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+ γδ 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
- Oral vs intradermal BCG, what’s the difference?
- Which cells contribute to immunity against vaginal Zika infection?
- Can CXCL4 contribute to autoimmune pathology?
- 5GFTB Highlights: Human TB Challenge, is this possible?
- 5GFTB Highlights: Why is a new vaccine against TB important?
- 5GFTB Highlights: MTBVAC potential BCG replacement
- Article Highlight: Differentially Expressed Host linc RNA and mRNA in HIV-1 and HIV-2 Infection (Santanu et al., 2018)
- 5GFTB Highlights: Can we immunologically distinguish LTBI, EPTB and PTB
- 5GFTB Highlights: Can we induce BCG-mediated long term innate immunity
- 5GFTB Highlights: Recombinant BCG-Esx1 can induce CD8 T cell responses
- 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.
- HIV Env immunogens elicit broad antibody responses in animal models
- 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
- Regulatory T cells help prevent CMV reactivation
- Asymptomatic Zika virus infection protects from re-infection
- PD-1-based immunotherapy affected by gut 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
- Microorganisms in the eye protect against infection
- Gonorrhoea superbug on the rise globally
- Reprogrammed T cells kill cancer
- Malaria-induced anaemia reinforced by treatment
- Immunopaedia, the Official IUIS Learning Site
- Optimizing HIV immunization strategies
- High salt intake linked to graft rejection
- The nutritional consequence of HIV-helminth coinfection
- mTOR implicated in the onset of asthma
- A Broad Overview of HIV Treatments and Cures
- HPV E7 protein downregulates antitumour immunity
- Cancer-killing viruses: the future of cancer therapy?
- Vaginal Microbiome Affects HIV Prevention
- Sensitive Zika virus diagnostic method using whole blood
- Deletion of TB protein eliminates cell
heterogeneity

- Meat Allergy Develops from Tick Bite
- Dorsal foreskin cutting for effective HIV prevention
- Type III IFNs in Hepatitis E persistence
- Marijuana May Decrease ART Adherence
- Preterm births alter ATP production and immunity
- Conventional antibody can neutralize HIV
- HIV PrEP Linked to Kidney Function
- Allergy and asthma across generations
- Microbiota in T cell survival
- Early Introduction of Peanuts Prevents Allergies
- MyD88-mediated cells against C. rodentium identified
- Cross-reactive antibodies for Ebola vaccine
- Engineered CD8 T cells flush out HIV reservoirs
- Targeting an integrin as a potential HIV therapeutic
- Marginal zone B cells in cholesterol control
- HIV immunogen based on precursor antibodies
- MHC Ib molecule protects against TB infection
- Broad antibodies from HIV-infected individuals
- Zika virus persists in cerebrospinal fluid and lymph nodes
- How Tregs control liver damage
- GM-CSF and neuroinflammation
- Glycosylation consensus to aid HIV immunogen design
- Recycling of B cells in the humoral immune response
- Cell-to-cell HIV transmission evades antibody responses
- Application for CRISPR in muscular dystrophy
- Alere HIV Combo Rapid Test
- HIV escapes by novel mechanisms
- IL-17RA deficiency and susceptibility to pathogens
- Microvilli in T cell activation
- Asthma increases susceptibility to influenza
- Identical viruses form HIV reservoir
- Dysfunctional B cell subsets in TB patients
- HIV vaccine design with less mutated antibodies
- Lab mice may be too clean to use in studies
- Combination of 2 antibodies controls HIV replication
- CD8 T cells are important for Zika virus control
- New autoimmune disease driven by thymic tumour
- Malaria vaccine trial with promising results
- Road to an effective HIV immunogen
- Mycobacterium tuberculosis diversity
- Novel cell population reduces response to tumours
- Polyfunctional antibodies in the control of HIV
- Neutrophils aid in immune tolerance during pregnancy
- Probiotic lotion as eczema treatment
- Antibody that can control HIV replication
- Important role for antibodies in TB infection
- Mucosal cells enhance HIV entry into CD4 T cells
- Novel mechanism for anti-cancer drug
- Changes in gut microbiome in Inflammatory Bowel Disease
- Functional B cells needed to prevent preterm birth
- Antibody resistance does not play a role in mother-to-child-transmission
- Using chemokine CXCL13 as a biomarker of germinal centre activity
- Reason why immunotherapy does not work for all cancers
- Characterization of novel antibody that recognizes HIV trimer
- International Remote Conference Highlights: Establishment of memory CD8 cells to influenza
- International Remote Conference Highlights: Antibody response to malaria in Burkina Faso
- International Remote Conference Highlights: Can
HAART be used to cure HIV?

- Rapid evolution of the infant microbiome after birth
- No role for CD4 T cells in shift from latent to active TB
- Evidence for antibodies in control of HIV infection
- Not all CD8 T cells have cytotoxic effects
- 2nd Annual International Remote Conference: Science and Society
- Role of T cells in Zika virus infection
- Effective mechanism to kill human viruses
- Different gut microbes present depending on diet
- No correlation between Vitamin D levels and vaccine responses
- Traits associated with the production of broadly neutralizing antibodies
- Novel mechanism reveals how leishmania evades immune system

- News 2016

- Changes in CD8 T cells during viral infection
- Gut microbiota suppress liver cancer
- Ebola vaccine confirmed to be highly effective
- Chikungunya virus vaccine using an insect virus
- Characteristics of HIV which affect antibody recognition
- The adverse effects of Zika virus on infants
- Using CARs to kill HIV
- Unique T cells compartmentalize in lymphoid sites
- Using nanoparticles in HIV immunogen design
- The link between malaria and cancer
- Gut microbiota influences pathogenesis of Parkinson’s disease
- Is an HIV vaccine possible?
- Insights into how hemolysis leads to susceptibility to infection
- Th1 response leads to effective antibodies against...
influenza
• Targeting essential TB enzyme may lead to novel treatments
• Treating helminth infections boosts immune system
• Toll-like receptor helps nematodes avoid pathogens
• Infants can produce anti-HIV antibodies with minimal somatic hypermutation
• Antibodies from Ebola survivor have potent antiviral activity
• The microbiome has anti-tumor effects
• Understanding the organization of TB-associated granulomas
• Using cell-specific knock-outs to study the function of genes
• Mycobacterium tuberculosis tricks body into autoimmunity
• HIV R4P Highlights: Dendritic cells which capture HIV in Female Reproductive Tract
• HIV R4P Highlights: Inducing T cells in an HIV Vaccine
• HIV R4P Highlights: HIV superinfection does not increase antibody breadth
• HIV R4P Highlights: New antibody lineages against HIV high mannose-patch
• HIV R4P Highlights: BV increases risk of HIV acquisition through neutrophils
• HIV R4P Highlights: Children frequently make HIV-specific broad antibody responses
• HIV R4P Highlights: Interview with Prof Thumbi Ndung’u
• HIV R4P Highlights: α4β7 antibody and ART: a novel HIV therapy
• IgA antibodies found in women taking PrEP
• The role of TNF and aging in susceptibility to infection
• A combination of worms and bacteria may be good for your health
• Immunological memory in the Mucosa
• Neutrophils and radiation therapy working together to fight cancer
• Mosquitos with fungus are more susceptible to malaria parasites
• Understanding the skin phenotype of children with eczema
• Treating HIV with the power of an antibody
• Possibility of one vaccine to prevent Zika and Dengue viruses
• ICI 2016 – What leads to HIV progression in children?
• ICI 2016 – Parasitic worms in the treatment of chronic asthma
• ICI 2016 – Potential new diagnostic tool for TB in children
• ICI 2016 – The role of complement in fighting malaria in pregnancy
• ICI 2016- Mycobacterium tuberculosis at the granuloma level in the human lung
• ICI 2016 – What is the link between house dust mites and allergic disease?
• ICI 2016 – Reversing Schistosomiasis Tissue Fibrosis
• ICI 2016 – The Future of a More Effective HIV Vaccine?
• Reflecting on AIDS 2016
• Vaccine: Protective Measures Against Chlamydia Discovered
• Immunopaedia goes to the 21st International AIDS Conference
• Treating AIDS in 2016: New drugs for the future
• Financing the Response to HIV: Show Us the Money
• Progress in HIV Vaccines and the Road to the Clinic
• AIDS 2016: Towards an HIV Cure
• Regulation of IL-25 levels provides protection
against clostridium difficile infection
- Injection drug use and susceptibility to HIV and co-morbidities
- Is there a link between loneliness and inflammation?
- Do mosquito bites help viral infections?
- Can we tolerate an inhaled vaccine as a way to improve BCG efficacy?
- A new genetic approach for diagnosing Common Variable Immunodeficiency
- Inflammatory markers during pregnancy is linked with autism
- Possible mother-to-child transmission route for Zika virus discovered
- HIV uniquely impacts on gut microbial metabolism
- A potential target for HIV reactivation discovered
- A promising new treatment for systemic lupus erythematosus (Lupus)
- Immune Ontogeny and the microbiome
- A New Rapid Antigen Test for Human Bocavirus 1 (HBoV1)
- Antigen Delivery to the Draining Lymph Nodes is a Key to Intradermal Vaccination Efficacy
- Intact Ovine Immunoglobulin (EBOTAb) to Treat Ebola Virus Infection?
- A novel immune mechanism of killing HIV infected cells
- Solving the 50-year-old riddle: the link between Plasmodium falciparum Malaria and Endemic Burkitt’s Lymphoma
- Does Chlamydia infection result in increased HIV susceptibility?
- Nucleoside reverse-transcriptase inhibitors (NRTIs) as first-line ART in African Children
- What causes the high mutation rates of HIV-1 in the human body?
- Combination Antibiotic and Pidotimod Therapy
against Pneumonia

- News 2015
  - Trivalent Inactivated Poliovirus Vaccine (IPV) is Non-Superior to Live-Attenuated Oral Poliovirus Vaccine
  - Protecting Mucosal immunity in HIV positive people with combined CCR5/Integrase Inhibitors
  - Why older people may succumb more readily to pneumonia
  - A new theory to explain autoimmunity: The Altered Glycan Theory of Autoimmunity
  - Success of passive HIV immunization?
  - Herd Immunity: immunology meets public health
  - Associations between infant chubbiness and Dengue Haemorrhagic Fever
  - Do we need to re-think vaccine strategies to elicit anti-HIV antibodies?
  - SIV infection of Tfh Cells in monkeys
  - Can wearing silver damage your health?
  - Immune and viral events leading up to acute Infectious Mononucleosis
  - World AIDS Day Message
  - Genetically modified commensal bacteria used as a possible HIV vaccine adjunct
  - Prevention of Mother-to-Child HIV transmission in African children in the first year of life
  - Levels of PD-L1 Expression on target cells helps to establish viral latency
  - Microbial Gut diversity predicts immune status during HIV-1 infection
  - Stasis of CD8+ T Cells in the brain is a Signature of Cerebral Malaria
  - Diversity of lipid envelopes in Mycobacterium tuberculosis
  - A new reservoir of HIV found within peripheral Vδ2 T cells
  - A new marker denotes exhausted CD8+ T cells during
chronic viral infections

- New antibodies that target sugars on the HIV-1 envelope
- Is Adipose Tissue a viral reservoir?
- Extracellular vesicles as a vaccine candidate against Staphylococcus aureus infections
- New Mechanism underlying Rheumatoid Arthritis Pathogenesis
- Novel model provides quantitative explanation of CD4+ T Cells pathway in vivo
- Pregnancy Induces Activation of Aged Dormant Muscle Progenitor Cells
- The microbes within us – the microbiological niche of the lungs

News 2014

- TLR5-mediated sensing of gut microbiota has a role in response to flu vaccine
- Airborne origins for Kawasaki disease
- HIV integration into the host DNA is not a random event.
- New model for treatment of RSV
- Activation of HIV transcription in latently infected cells
- A link between the gut microbiome and brain function?
- Tumor-associated neutrophils stimulate T cell responses in early-stage human lung cancer
- Can environmental non-TB mycobacteria interferes with immunity to TB?
- Dissecting tumor myeloid compartments to reveal APC critical for T Cell immunity
- Fruit Bats and Flu
- Efficient 1-step radiolabeling of monoclonal antibodies for targeted radioimmunotherapy treatment of cancer
- Protein kinase D2 amplifies T cell receptor–stimulated signaling in naïve CD8+ T
- Characteristics of memory B Cells following HPV vaccination Immunity
- Antibiotic treatment failure in four common infections- A primary care 1991-2012: longitudinal analysis
- Neutrophil crawling in capillaries- a novel response to MRSA
- Immune-suppressant vaccine c blocks SIV infection in macaques
- Short-term changes in HIV viral load and CD4+ cell count
- Group B Strep selected and fixed through use of tetracycline
- Streptococcus pneumoniae forms microlesions in myocardium, disrupting cardiac function
- CD45 ligation expands Tregs by promoting interactions with dendritic cells
- Club cells – identified in Influenza pathogenesis
- EBV specific cytotoxic T Cell clones can transiently control EBV infection
- Mother–Infant HIV Transmission a review on antibody protection
- Eradication of metastatic mouse cancers by suppression of myeloid-derived cell
- Histone Deacetylase Inhibitors mark the ability of cytotoxic T cells to eliminate HIV
- A link between penicillin treatment in newborn infants and obesity
- Is there a link between Infertility and promotion of Sexually transmitted Infections?
- Efficacy of HPV vaccination in HIV positive adolescents and young adults
- Infectious Disease in Africa Symposium
- Cannabidiol-possible treatment option for acne
- Together muscularis macrophages and enteric neurons regulate gastric motility
• Lopinavir/Ritonavir-based ART vs Efavirenz-based ART for the prevention of malaria in pregnancy
• Viral reservoirs limited by ART
• The role of Cas1 and 2 proteins and immunity
• T. gondii ligand shown to promote inflammatory monocytes and provide resistance to bacterial infection
• Characterization of pandemic influenza immune memory after vaccination or infection
• First-line boosted protease inhibitor regimen remains effective after virologic failure
• ART in acute infection limits viral reservoirs
• Kaposi Sarcoma treated with pegylated interferon
• Broad-spectrum anti-biofilm peptide targets cellular stress response
• HIV sexual transmission risk among serodiscordant couples
• Renal function of participants in tenofovir study- Thailand
• Varicella Zoster Virus infection: Bad in adults
• Prostate cancer incidence among HIV-positive and HIV-negative men
• Beta-catenin-regulated myeloid cells determine wound healing
• Vaccine-induced myeloid cell population dampens protective immunity
• Risk of Melanoma in People with HIV/AIDS
• New experimental vaccine looks promising for Dengue Fever
• New TB drug combination to enter late-stage testing
• Control of Malaria-Induced Inflammation in Children is Dependent on Exposure.
• Mucosal and endotracheal delivery of RSV peptide prevents nasopulmonary infection
• Clec12a regulates inflammation in response to cell death
Results from a novel flu vaccine
Using immunomics to find vaccine antigens for schistosomiasis
South African treatment guidelines should use viral load, not CD4 count for greater success
T cell differentiation regulated by methyltransferase G9A during murine intestinal inflammation
Understanding molecular evolution of HIV and ART
Inhibition of calcineurin abrogates whereas inhibition of mTOR promotes Regulatory T Cells
Neuronal ferritin heavy chain and opiate abuse affect HIV-associated cognitive dysfunction
Agonistic induction of PPARγ shown to reverse emphysema
Treating rheumatoid arthritis with peptide-specific CD8+ regulatory T cells
Tolerance or resistance to HIV infection? Which is it?
UTI treatment requires a coordinated phagocytic response
Memory regulatory T cells reside in human skin
T cell repertoire following autologous stem cell transplantation for multiple sclerosis
Sex difference noted in response to influenza vaccine
Normalizing glycosphingolipids restores CD4+ T cells function in lupus patients
Reliability and clinical relevance of HIV drug-resistance testing at low viraemias
Microbiota helps regulate behaviour in Autism Spectrum Disorders
Thibela TB study – a trial of mass Isoniazid preventive therapy for tuberculosis control
A systematic review and meta-analysis of long-term immune responses to vaccination in HIV