Breaking News

- Potential Treatment for Ulcerative Colitis: Targeting Stem-like T Cells
- New Hope for Personalised Treatment of Neuromyelitis Optica
- How Hepatitis E Evades the Immune System and Becomes Chronic
- Fat Fighters: How Macrophages Link Obesity and Cancer Treatment
- Fasting Might Boost Your Body’s Natural Cancer Fighters: New Study in Mice
- Muscle Mend: Macrophages Morph to Heal After Injury
- Placental Clues: Monitoring Fetal Brain Development
- Does pre-TCRα deficiency have any effect on human beings?
- What dose of SARS-CoV-2 is safe enough to induce infection in seropositive individuals?
- Heart Failure’s Hidden Culprit: How It Alters Stem Cells and Fuels Disease
- Epstein-Barr Virus: Targeting Metabolism to Curb Cancer Risk
- Eosinophils: Unveiling the Mysteries of These Immune Cells
- News Insight – Bystander neutrophils and Mtb infection
- C-Section and Measles Vaccine: One Dose May Not Be Enough
- Melanoma: New Blood Test Predicts Response to Immunotherapy
- Dirty Air and Altered Genes – Risks for infants
- AI Paves the Way for Personalized Cancer Immunotherapy with Powerful T Cell Selection
- Gut Microbiome Harmony in Dads May Be Crucial for Healthy Offspring: New Study in Mice
- Scientists gain insights into TLR7

- 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
- Psoriasis: new insights into potential treatment
- 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
- Immune cells of the liver – fighting cholesterol
- 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 heath
- 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
- Mitchondrial 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 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: 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
- 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
- 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 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.
- 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?
- 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?
- 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.tb 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 immmunity
- 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-□-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

- 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
- MGIAs: 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 Arthiritis
- 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 specifc-CD8 T cell responses but not Abs

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 anti-viral 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

- 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 cells
- 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 rhematoid 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