

**Poster abstract titles for the ‘The London Infections & Immunity Symposium’**

**31st October – 1st November 2022**

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Poster no. 1

Neonatal skin Tregs regulate PPARγ pathway to control pigmentation of the skin

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Poster no. 2

An immunoresponsive three-dimensional urine-tolerant human urothelial (3D-UHU) model to study urinary tract infection

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Poster no. 3

Dynamics of TGF-β1 secretion and activation by Intestinal Epithelium and Innate Lymphoid Cells

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Poster no. 4

The role of peroxisomes during M. tuberculosis infection of human macrophages

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Poster no. 5

Type I interferons and MAVS signalling are necessary for tissue-resident memory CD8+ T cell responses to RSV infection

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Poster no. 6

Investigating the transcriptional regulation underlying the development, survival, and function of memory B cells

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Poster no. 7

Inhibition of *Salmonella enterica* infection by interferon-stimulated genes

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Poster no. 8

Natural killer T cell regulation of intestinal epithelial cell biology

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Poster no. 9

Immune responses to lipids in the skin

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Poster no. 10

Mucosal-associated invariant T (MAIT) cells: new players against antibiotic-resistant bacteria infection

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Poster no. 12

Benchmarking and fine-tuning AlphaFold to yield consistently high-resolution 3D structure predictions for peptide:MHC Class I (pMHCI) complexes

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Poster no. 14

Autosomal dominant stat6 gain of function causes severe atopy associated with lymphoma

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Poster no. 15

Functional analysis of variants of unknown significance in the stat-1 gene

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Poster no. 16

Investigating the role of serum Hepatitis B core-related antigen (HBcrAg) in predicting clinical outcomes in Hepatitis B e antigen (HBeAg) negative Chronic Hepatitis B patients on antiviral therapy

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Poster no. 18

Pinpointing the role of IL-21 in directing B cell fate within germinal centres

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Poster no. 19

Fully synthetic macrocyclic PROTACs as selective cyclophilin A degraders and HIV-1 inhibitors

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Poster no. 20

An Experimental Medicine study to assess sequential immunisations with rationally designed immunogens to HIV-1

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Poster no. 22

T cell migration requires ion and water influx to regulate actin polymerization

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Poster no. 23

Stratification of PD-1 blockade response in melanoma using pre- and post-treatment immunophenotyping of peripheral blood

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Poster no. 25

Clonal haematopoiesis shapes the immune system: the case of the preleukemic neutrophil

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Poster no. 26

The Evolution of a Transplantable Tumour

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Poster no. 27

Co-stimulation blockade in combination with IL-2 permits Treg sparing immunomodulation that regulates type 1 diabetes

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Poster no. 28

A novel particle-based model to analyse bivalent binding of antibodies

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Poster no. 29

Class-switching to IgG is detrimental in a subset of B-cell lymphomas but is rescued by mutations of the IgG BCR cytosolic tail

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Poster no. 30

Neuro-immune interactions in food allergy: A focus on hippocampal neurogenesis

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Poster no. 31

Antiviral CTL Responses During the Evolution of Cancer

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Poster no. 32

The intestinal microbiome as a therapeutic target for restoring MAIT cell function in cirrhosis

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Poster no. 34

Role of innate signaling pathways on initial responsiveness to house dust mite exposure and their link to development of allergic airway inflammation

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Poster no. 35

Characterisation of B cell surface proteome by proximity labelling

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Poster no. 36

Conquering the bladder: the crosstalk between an innovative 3D human urothelial microtissue model, the uropathogen and the commensal

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Poster no. 37

Immune markers associated with resistance and susceptibility to experimental Respiratory Syncytial Virus challenge in older adults

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Poster no. 38

Establishment of a 3D spheroid granuloma model for human Tuberculosis

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Poster no. 40

Elucidating novel pathways of BAFF-receptor signalling for B-cell survival

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Poster no. 41

Investigating the Chromatin Landscape Effects on HIV-1 Latency

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Poster no. 42

NF-κB induced A20 expression in activated T cells controls IKK dependent repression of RIPK1 induced cell death

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Poster no. 44

Presence of neutrophils in the lungs prior to infection with respiratory viruses alters disease severity in mice

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Poster no. 45

Caspase cleavage of Influenza A virus M2 as a regulator of infection-induced LC3 lipidation

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Poster no. 46

MitoHeat – febrile range temperature may protect and recover sepsis-driven mitochondrial dysfunction

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Poster no. 47

Immune-gut interactions in oral tolerance and food allergy

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Poster no. 48

Capturing the heterogeneity of *Shigella* infection with high content microscopy

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Poster no. 49

Serological profiles of SARS-CoV-2 neutralization

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Poster no. 50

High-Throughput CRISPR Screen Identifies Novel Long Noncoding RNAs That Regulate Macrophage Viability and Function

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Poster no. 51

Deficiency in type I interferon signaling results in dysregulated innate immune responses to SARS-CoV-2 in mice

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Poster no. 52

Aerosol Vaccination against SARS-CoV-2 induces local and systemic cellular immune responses

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Poster no. 53

Viral-induced COPD exacerbations drive ILC subset plasticity and an ILC1-favoured microenvironment

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Poster no. 54

Inflammasome signalling in Tuberculosis: New routes to host directed therapy

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Poster no. 55

Fungal infection drives immunometabolic reprogramming in epithelial cells via aerobic glycolysis and an alternative TCA cycle shunt

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Poster no. 56

Transcriptomics investigation of the adaptation of *Streptococcus pneumoniae*

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