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Exploring host-immune-microbial interactions during intestinal schistosomiasis

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Exploring host-immune-microbial interactions during intestinal schistosomiasis

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Colophon

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Exploring host-immune-microbial interactions during intestinal schistosomiasis

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List of Abbreviations

AA; Alternatively activated
AAI; Allergic airway inflammation
Ag; Antigen
APC; Antigen presenting cell
AWA: Adult worm antigen
BCR; B cell receptor
Breg; Regulatory B cell
BAL; Bronchoalveolar lavage
CAA: Circulating anodic antigen
CBA; Cytometric bead array
CCA: Circulating cathodic antigen
CD; Cluster of differentiation
cDC; Conventional dendritic cell
COPD; Chronic obstructive pulmonary disease (COPD)
CTLA-4; Cytotoxic T lymphocyte antigen-4
DC; Dendritic cell
DAMP; Damage associated molecular pattern
DAPI; 4',6-diamidino-2-phenylindole
DNA; Deoxyribonucleic acid
DTr; Diphtheria toxin receptor
DTx; Diphtheria toxin
EDTA; Ethylenediaminetetraacetic acid
ELISA; Enzyme linked immunosorbent assay
ES products; Extracellular secretory products
FACS; Fluorescence assisted cell sorting
FBS; Fetal bovine serum
FSC; Forward scatter
FO; Follicular B cell
GITR; Glucocorticoid-Induced TNFR-Related (GITR) protein
GFP; Green fluorescent protein

GM-CSF; Granulocyte macrophage colony stimulating factor

HDM; House dust mite

HK; House keeper

HMGB1; High box mobility protein 1

HRP; Horseradish peroxidase

IDO; Indoleamine-pyrrole 2,3-dioxygenase

IFN- γ ; interferon gamma

Ig; immunoglobulin

IL; Interleukin

i.p; intraperitoneal

I.v; intravenous

i.n; intranasal

LAP; Latency associated peptide

LPS; Lipopolysaccharide

LUMC; Leiden University Medical Centre

MHC; Multiple histocompatibility complex

MLN; Mesenteric lymph node

MZ; Marginal zone B cells

MZ_MZP; Marginal zone B cells and their precursors

OVA; Ovalbumin

NGS; Next generation sequencing

PAMPs; Pathogen associated molecular patterns

PBMCs; Peripheral blood mononuclear cells

PBS; Phosphate buffered saline

pDCs; Plasmacytoid dendritic cell

RBC; Red blood cell

RELM α ; Resistin-like molecule alpha

RNA; Ribonucleic acid

RT; Room temperature

SCFAs; short chain fatty acids

S. haematobium; *Schistosoma haematobium*

S. mansoni; *Schistosoma mansoni*

S. Japonicum; *Schistosoma japonicum*

SEA: Schistosome egg antigen

SSC; Side scatter

T1; Transitional type 1 B cells

T2; Transitional type 2 B cells

T2_MZPs; Transitional type 2 Marginal zone precursor B cells

TCR; T cell receptor

TGF β ; Transforming growth factor beta

Th; T helper

TLR; Toller like receptor

TMA; Trimethylamine

TMAO; Trimethylamine oxide

Treg; Regulatory T cell

TSLP; Thymic stromal lymphopoiten

UOM; university of Manchester