

## Keyword index

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**Abscess** – Pathogenic conversion of coagulase-negative staphylococci, 101

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**Adenosine** – Adenosine, but not guanosine, protects vaginal epithelial cells from *Trichomonas vaginalis* cytotoxicity, 122

**ADHD** – Anesthetic agents, neurodevelopmental risk and the connection to bacterial infections, 443

**Adjuvant** – Single immunization with MF59-adjuvanted inactivated whole-virion H7N9 influenza vaccine provides early protection against H7N9 virus challenge in mice, 616

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**Alkhurma hemorrhagic fever virus** – Alkhurma hemorrhagic fever virus, 305

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**Antimicrobial resistance** – Regulation of antimicrobial resistance by extracytoplasmic function (ECF) sigma factors, 238

**Antioxidants** – The role of oxidative stress in influenza virus infection, 580

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**Arbovirus** – Neglected Australian arboviruses: quam gravis?, 388

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***Aspergillus fumigatus*** – Lung eosinophil recruitment in response to *Aspergillus fumigatus* is correlated with fungal cell wall composition and requires  $\gamma\delta$  T cells, 422

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**Blood-cerebrospinal fluid barrier** – Mitogen-activated protein kinases are required for effective infection of human choroid plexus epithelial cells by *Listeria monocytogenes*, 18

***Borrelia burgdorferi*** – Correlation between antigenicity and variability in the *vls* antigenic variation system of *Borrelia burgdorferi*, 267 – Doctor says you are cured, but you still feel the pain. *Borrelia* DNA persistence in Lyme disease, 459

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**Cathelicidin** – Functional characterisation of the *Drosophila* *cg6568* gene in host defence against *Mycobacterium marinum*, 351

**CD8<sup>+</sup> T cells** – Immuno-informatics based approaches to identify CD8<sup>+</sup> T cell epitopes within the *Leishmania donovani* 3-ectonucleotidase in cured visceral leishmaniasis subjects, 358

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**Coagulation** – Pathogenic conversion of coagulase-negative staphylococci, 101

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**COPD** – Nontypeable *Haemophilus influenzae* (NTHi) directly interfere with the regulation of E-cadherin in lung epithelial cells, 560

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**Cruzipain** – Decreased cruzipain and gp85/trans-sialidase family protein expression contributes to loss of *Trypanosoma cruzi* trypomastigote virulence, 55

**Cytopathogenesis** – Adenosine, but not guanosine, protects vaginal epithelial cells from *Trichomonas vaginalis* cytotoxicity, 122

## D

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**DNA persistence** – Doctor says you are cured, but you still feel the pain. *Borrelia* DNA persistence in Lyme disease, 459

**Dynammin** – Mitogen-activated protein kinases are required for effective infection of human choroid plexus epithelial cells by *Listeria monocytogenes*, 18

## E

**Early immune responses** – Single immunization with MF59-adjuvanted inactivated whole-virion H7N9 influenza vaccine provides early protection against H7N9 virus challenge in mice, 616

**E-cadherin** – Nontypeable *Haemophilus influenzae* (NTHi) directly interfere with the regulation of E-cadherin in lung epithelial cells, 560

**ECF sigma factors** – Regulation of antimicrobial resistance by extracytoplasmic function (ECF) sigma factors, 238

**Ecology** – An overview of Usutu virus, 382

**ecto-5'nucleotidase** – Adenosine, but not guanosine, protects vaginal epithelial cells from *Trichomonas vaginalis* cytotoxicity, 122

**3'-ectonucleotidase** – Immuno-informatics based approaches to identify CD8+ T cell epitopes within the *Leishmania donovani* 3'-ectonucleotidase in cured visceral leishmaniasis subjects, 358

**Endothelial activation** – *Plasmodium falciparum* isolates from patients with uncomplicated malaria promote endothelial inflammation, 132

**Endothelial cells** – *Plasmodium falciparum* isolates from patients with uncomplicated malaria promote endothelial inflammation, 132

**Enteropathogenic *Escherichia coli* (EPEC)** – C/EBP homologous protein promotes NSAID-activated gene 1-linked pro-inflammatory signals and enterocyte invasion by enteropathogenic *Escherichia coli*, 110

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**Epidemiology** – An overview of Usutu virus, 382

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**Epitope mapping** – Correlation between antigenicity and variability in the *vls* antigenic variation system of *Borrelia burgdorferi*, 267

**ESX-3** – *Mycobacterium abscessus* ESX-3 plays an important role in host inflammatory and pathological responses during infection, 5

**Eurasian avian-like influenza** – Construction and comparison of different source neuraminidase candidate vaccine strains for human infection with Eurasian avian-like influenza H1N1 virus, 635

**Export** – The accessory Sec system (SecY2A2) in *Streptococcus pneumoniae* is involved in export of pneumolysin toxin, adhesion and biofilm formation, 402

**Extracytoplasmic function sigma factors** – Regulation of antimicrobial resistance by extracytoplasmic function (ECF) sigma factors, 238

## F

**Francisella novicida** – Murine survival of infection with *Francisella novicida* and protection against secondary challenge is critically dependent on B lymphocytes, 91

**Francisella tularensis** – Murine survival of infection with *Francisella novicida* and protection against secondary challenge is critically dependent on B lymphocytes, 91

**Fungal immunity** – Impact of HIF-1 $\alpha$  and hypoxia on fungal growth characteristics and fungal immunity, 204

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**Gammadelta T cells** – Lung eosinophil recruitment in response to *Aspergillus fumigatus* is correlated with fungal cell wall composition and requires  $\gamma\delta$  T cells, 422

**Gastric cancer** – Regulation and functions of inflammasome-mediated cytokines in *Helicobacter pylori* infection, 449

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**Gp85/trans-sialidase family** – Decreased cruzipain and gp85/trans-sialidase family protein expression contributes to loss of *Trypanosoma cruzi* trypomastigote virulence, 55

**Guanosine** – Adenosine, but not guanosine, protects vaginal epithelial cells from *Trichomonas vaginalis* cytotoxicity, 122

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**HIF-1** – Impact of HIF-1 $\alpha$  and hypoxia on fungal growth characteristics and fungal immunity, 204

**Highly pathogenic avian influenza virus** – Genomic signature analysis of the recently emerged highly pathogenic A(H5N8) avian influenza virus: implying an evolutionary trend for bird-to-human transmission, 597

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