

BIOLOGICAL DEFENCE RESEARCH PUBLICATIONS FOR Dstl PORTON DOWN 2018

- Aller S *et al.* Integrated human-virus metabolic stoichiometric modelling predicts host-based antiviral targets against Chikungunya, Dengue and Zika viruses. *J R Soc Interface*, 2018. 15(146)
- Amarasinghe GK *et al.* Taxonomy of the order Mononegavirales: update 2018. *Arch Virol*, 2018. 163(8): 2283-2294
- Carruthers J *et al.* A Novel Stochastic Multi-Scale Model of *Francisella tularensis* Infection to Predict Risk of Infection in a Laboratory. *Front Microbiol*, 2018. 9: 1165
- Clay KA *et al.* Use of axenic media to determine antibiotic efficacy against *Coxiella burnetii*. *Int J Antimicrob Agents*, 2018. 51(5): 806-808
- Djouiai B *et al.* Role of DNA Repair and Protective Components in *Bacillus subtilis* Spore Resistance to Inactivation by 400 nm Blue Light. *Appl Environ Microbiol*, 2018. 84(19)
- Garcia-Jimenez WL, FJ Salguero and RV D'Elia. Histopathological and immunohistochemical characterization of *Burkholderia pseudomallei* lesions in an acute model of infection with BALB/c mice. *Int J Exp Pathol*, 2017. 98(6): 347-355
- Godsmark C *et al.* Moisture vapour permeable gloves extend thermal endurance and safe work time more than other similarly permeable chemical-biological ancillary protective items. *Ergonomics*, 2018. 61:12: 1635-1645
- Jenner D *et al.* An imaging flow cytometry method to assess ricin trafficking in A549 human lung epithelial cells. *Methods*, 2018. 134–135: 41–49
- Khalid S, TJ Piggot and F Samsudin. Atomistic and Coarse Grain Simulations of the Cell Envelope of Gram-Negative Bacteria: What Have We Learned? *Acc Chem Res*, 2018 (on-line)
- Knight AR *et al.* A high-sensitivity electrochemiluminescence-based ELISA for the measurement of the oxidative stress biomarker, 3-nitrotyrosine, in human blood serum and cells. *Free Radic Biol Med*, 2018. 120: 246-254
- Marshall LE *et al.* An O-Antigen Glycoconjugate Vaccine Produced Using Protein Glycan Coupling Technology is Protective in an Inhalational Rat Model of Tularemia. *J Immunol Res*, 2018. 2018: 8087916
- McMahon RM *et al.* Virulence of the Melioidosis Pathogen *Burkholderia pseudomallei* Requires the Oxidoreductase Membrane Protein DsbB. *Infect Immun*, 2018. 86(5).
- Moore BD *et al.* Dual route vaccination for plague with emergency use applications. *Vaccine*, 2018. 36(34): 5210-5217
- Reeman S *et al.* Protection of Mice from Lethal Vaccinia Virus Infection by Vaccinia Virus Protein Subunits with a CpG Adjuvant. *Viruses*, 2017. 9(12): 378

Ruske S *et al.* Machine learning for improved data analysis of biological aerosol using the WIBS. *Atmos. Meas. Tech*, 2018. 11: 6203-6230

Smither SJ *et al.* Two-Center Evaluation of Disinfectant Efficacy against Ebola Virus in Clinical and Laboratory Matrices. *Emerg Infect Dis*, 2018. 24(1): 135-139

Tsaousis AD *et al.* The Human Gut Colonizer Blastocystis Respires Using Complex II and Alternative Oxidase to Buffer Transient Oxygen Fluctuations in the Gut. *Front Cell Infect Microbiol*, 2018. 8: 371

Whelan AO *et al.* Protection induced by a *Francisella tularensis* subunit vaccine delivered by glucan particles. *PLoS One*, 2018. 13(10): e0200213

Willcocks SJ *et al.* High-throughput analysis of *Yersinia pseudotuberculosis* gene essentiality in optimised *in vitro* conditions, and implications for the speciation of *Yersinia pestis*. *BMC Microbiol*, 2018. 18: 46