

**MICROBIOLOGY RESEARCH PUBLICATIONS
for 2014**

1. **Adams, V., R. Bantwal, L. Stevenson, J.K. Cheung, M.M. Awad, J. Nicholson, G.P. Carter, K.E. Mackin, J.I. Rood and D. Lyras**, *Utility of the clostridial site-specific recombinase TnpX to clone toxic genes and selectively remove genomic DNA fragments*. Appl Environ Microbiol, 2014. **80**(12): p. 3597-3603 Category: Biotechnology & Applied Microbiology **Impact Factor: 3.952** Ranking: 30/165 [**MICRO**]
2. **Adler, B.**, *REVIEW: Pathogenesis of leptospirosis: Cellular and molecular aspects*. Vet Microbiol, 2014. **172**(3-4): p. 353-358 Category: Veterinary Sciences **Impact Factor: 2.726** Ranking: 4/129 [**MICRO**]
3. **Adler, B. and E. Meeusen**, *PREFACE: The 6th International Veterinary Vaccines and Diagnostic Conference (6th IVVDC)*. Vet Immunol Immunopathol, 2014. **158**(1-2): p. 1-2 Category: Veterinary Sciences **Impact Factor: 1.748** Ranking: 22/132 [**MICRO**]
4. **Albert, M.J., K. Al Obaid, W. Alfouzan, A.R. Sheikh, E. Udo, H. Izumiya, D.M. Bulach and T. Seemann**, *Isolation of Salmonella enterica Serovar Kentucky Strain ST 198 and Its H2S-Negative Variant from a Patient: Implications for Diagnosis*. J Clin Microbiol, 2014. **52**(11): p. 4090-4093 Category: Microbiology **Impact Factor: 4.232** Ranking: 23/119 [**MICRO**]
5. **Al-Deen, F.M.N., C. Selomulya, Y.Y. Kong, S.D. Xiang, C. Ma, R.L. Coppel and M. Plebanski**, *Design of magnetic polyplexes taken up efficiently by dendritic cell for enhanced DNA vaccine delivery*. Gene Ther, 2014. **21**(2): p. 212-218 Category: Genetics & Heredity **Impact Factor: 4.196** Ranking: 38/164 [**MICRO**]
6. **Al-Deen, F.M.N., C. Selomulya, C. Ma and R.L. Coppel**, *Superparamagnetic nanoparticle delivery of DNA vaccine*, in *Methods Mol Biol*, M. Rinaldi, D. Fioretti, and S. Iurescia, Editors. 2014, Humana Press: USA. p. 181-194 **Book Chapter** [**MICRO**]
7. **Aldunate, M., D. Tyssen, C. Latham, P. Ramsland, P. Perlmutter, T. Moench, R. Cone and G. Tachedjian**. *Vaginal Concentrations of Lactic Acid Potently Inactivate HIV-1 Compared to Short Chain Fatty Acids Present During Bacterial Vaginosis*. in *HIV Research for Prevention*. 2014. South Africa: Mary Ann Liebert Inc Publishers Category: Infectious Diseases **Impact Factor: 2.457** Rank: 41/72 [**MICRO**]
8. **Aljarbou, A.N. and M. Aljofan**, *Genotyping, morphology and molecular characteristics of a lytic phage of Neisseria strain obtained from infected human dental plaque*. J Microbiol, 2014. **52**(7): p. 609-618 Category: Microbiology **Impact Factor: 1.529** Ranking: 88/119 [**MICRO**]

9. **Aljofan, M., H.J. Netter**, A.N. Aljarbou, T.B. Hadda, I.E. Orhan, B. Sener and B.A. Mungall, *Anti-hepatitis B activity of isoquinoline alkaloids of plant origin*. Arch Virol, 2014. **159**(5): p. 1119-1128 Category: Virology **Impact Factor: 2.282** Ranking: 20/32 [**MICRO**]
10. **Alonso, H.**, O. Kleifeld, A. Yeheskel, **P.C. Ong, Y.C. Liu**, J.E. Stok, J.J. De Voss and **A. Roujeinikova**, *Structural and mechanistic insight into alkane hydroxylation by Pseudomonas putida AlkB*. Biochem J, 2014. **460**(2): p. 283-293 Category: Biochemistry & Molecular Biology **Impact Factor: 4.779** Ranking: 61/291 [**MICRO,BCH**]
11. Amissah, N.A., S. Gryseels, N.J. Tobias, **B. Ravadgar**, M. Suzuki, K. Vandelannoote, L. Durnez, H. Leirs, **T.P. Stinear**, F. Portaels, A. Ablordey and M. Eddyani, *Investigating the role of free-living amoebae as a reservoir for Mycobacterium ulcerans*. PLoS Negl Trop Dis, 2014. **8**(9): p. e3148.1-10 Category Parasitology **Impact Factor: 4.489** Ranking: 4/37 [**MICRO**]
12. Aranda, J., M. Lopez, E. Leiva, A. Magan, **B. Adler**, G. Bou and J. Barbe, *Role of Acinetobacter baumannii UmuD homologs in antibiotic resistance acquired through DNA damage-induced mutagenesis*. Antimicrob Agents Chemother, 2014. **58**(3): p. 1771-1773 Category: Microbiology **Impact Factor: 4.451** Ranking: 21/119 [**MICRO**]
13. **Awad, M.M., P.A. Johanesen, G.P. Carter, E. Rose** and **D. Lyras**, *Clostridium difficile virulence factors: Insights into an anaerobic spore-forming pathogen*. Gut Microbes, 2014. **5**(5): p. 579-593 [**MICRO**]
14. Azevedo, M.F., C.Q. Nie, **B. Elsworth, S.C. Charnaud**, P.R. Sanders, **B.S. Crabb** and P.R. Gilson, *Plasmodium falciparum Transfected with Ultra Bright NanoLuc Luciferase Offers High Sensitivity Detection for the Screening of Growth and Cellular Trafficking Inhibitors*. PLoS One, 2014. **9**(11): p. e112571.1-12 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [**MICRO**]
15. Bager, R.J., E. Kudirkiene, I. da Piedade, **T. Seemann**, T.K. Nielsen, S.E. Pors, A.H. Mattsson, **J.D. Boyce, B. Adler** and A.M. Bojesen, *In silico prediction of Gallibacterium anatis pan-immunogens*. Vet Res, 2014. **45**(1): p. 80.1-12 Category: Veterinary Sciences **Impact Factor: 3.383** Ranking: 1/129 [**MICRO**]
16. Beard, M.R., R. Ffrench, E.J. Gowans, K.J. Helbig, N.M. Eyre, M.M. Douglas, J. Grebely, G. Ahlenstiel, S. Locarnini, J. George, N.A. Shackel, P.A. White, A.J. Thompson and **H.E. Drummer**, *MEETING SUMMARY: A summary of the 20th international symposium on hepatitis C virus and related viruses*. Gastroenterology, 2014. **147**(1): p. e1-4 Category: Gastroenterology & Hepatology **Impact Factor: 13.926** Ranking: 1/74 [**MICRO**]

17. Beceiro, A., A. Moreno, N. Fernandez, J.A. Vallejo, J. Aranda, **B. Adler, M. Harper, J.D. Boyce** and G. Bou, *Biological cost of different mechanisms of colistin resistance and their impact on virulence in Acinetobacter baumannii*. Antimicrob Agents Chemother, 2014. **58**(1): p. 518-526 Category: Microbiology **Impact Factor: 4.451** Ranking: 21/119 **[MICRO]**
18. **Bhuiyan, M.S.**, A. Sayeed, F. Khanam, D.T. Leung, T. Rahman Bhuiyan, A. Sheikh, U. Salma, R.C. LaRocque, J.B. Harris, M. Pacek, S.B. Calderwood, J. LaBaer, E.T. Ryan, F. Qadri and R.C. Charles, *Cellular and cytokine responses to Salmonella enterica serotype Typhi proteins in patients with typhoid fever in Bangladesh*. Am J Trop Med Hyg, 2014. **90**(6): p. 1024-1030 Category: Tropical Medicine **Impact Factor: 2.736** Ranking: 3/20 **[MICRO]**
19. Boritsch, E.C., P. Supply, N. Honore, **T. Seeman**, T.P. Stinear and R. Brosch, *A glimpse into the past and predictions for the future: the molecular evolution of the tuberculosis agent*. Mol Microbiol, 2014. **93**(5): p. 835-852 Category: Microbiology **Impact Factor: 5.026** Ranking: 19/119 **[MICRO]**
20. Boyle, M.J., C. Langer, J.A. Chan, A.N. Hodder, **R.L. Coppel**, R.F. Anders and **J.G. Beeson**, *Sequential processing of merozoite surface proteins during and after erythrocyte invasion by Plasmodium falciparum*. Infect Immun, 2014. **82**(3): p. 924-936 Category: Infectious Diseases **Impact Factor: 4.156** Ranking: 14/70 **[MICRO]**
21. Brown, J.R., D. Drewry, F.-J. Gamo and **J. Garcia-Bustos**, *Kinase inhibitors among hits from malaria cellular screens*, in *Protein Phosphorylation in Parasites*, C Doerig, G Spath, and M. Wiese, Editors. 2014, Wiley V C H: Germany. p. 261-292 **Book Chapter [MICRO]**
22. Brundin, M., **D. Figdor**, A. Johansson and U. Sjogren, *Preservation of bacterial DNA by human dentin*. J Endod, 2014. **40**(2): p. 241-245 Category: Dentistry, Oral Surgery & Medicine **Impact Factor: 2.788** Ranking: 10/82 **[MICRO]**
23. Brundin, M., **D. Figdor**, G. Sundqvist and U. Sjogren, *DNA binding to hydroxyapatite: A potential mechanism for preservation of microbial DNA*. J Endod, 2014. **39**(2): p. 211-216 Category: Dentistry, Oral Surgery & Medicine **Impact Factor: 2.788** Ranking: 10/82 **[MICRO]**
24. Burke, M.L., M.J. De Veer, J. Pleasance, M.R. Neeland, M.J. Elhay, P. Harrison and E.N.T. MEeusen, *Innate immune pathways in afferent lymph following vaccination with poly(I:C)-containing liposomes*. Innate Immunity, 2014. **20**(5): p. 501 Category: Microbiology **Impact Factor: 2.459** Ranking: 57/119 **[PHY,MICRO]**
25. Carter, G.P., J.K. Cheung, S. Larcombe and **D. Lyras**, *Regulation of toxin production in the pathogenic clostridia*. Mol Microbiol, 2014. **91**(2): p. 221-231 Category: Microbiology **Impact Factor: 5.206** Ranking: 19/119 **[MICRO]**

26. **Carter, G.P., S. Larcombe, L. Li, D. Jayawardena, M.M. Awad, J.G. Songer and D. Lyras**, *Expression of the large clostridial toxins is controlled by conserved regulatory mechanisms*. Int J Med Microbiol, 2014. **304**(8): p. 1147-1159 Category: Microbiology **Impact Factor: 3.420** Ranking: 31/119 [MICRO]
27. **Chakravorty, A., M.M. Awad, T.J. Hiscox, J.K. Cheung, J.M. Choo, D. Lyras and J.I. Rood**, *Opioid Analgesics Stop the Development of Clostridial Gas Gangrene*. J Infect Dis, 2014. **210**(3): p. 483-492 Category: Infectious Diseases **Impact Factor: 5.778** Ranking: 5/70 [MICRO]
28. Chean, R., D. Kotsanas, M.J. Francis, E.A. Palombo, S.R. Jadhav, M.M. Awad, **D. Lyras**, T.M. Korman and G.A. Jenkin, *Comparing the identification of Clostridium spp. by two Matrix-Assisted Laser Desorption Ionization-Time of Flight (MALDI-TOF) mass spectrometry platforms to 16S rRNA PCR sequencing as a reference standard: a detailed analysis of age of culture and sample preparation*. Anaerobe, 2014. **30**: p. 85-89 Category: Microbiology **Impact Factor: 2.364** Ranking: 63/119 [MICRO]
29. **Chittibabu, G., C. Ma, H.J. Netter, S.B. Noronha and R.L. Coppel**, *Production, characterization, and immunogenicity of a secreted form of Plasmodium falciparum merozoite surface protein 4 produced in Bacillus subtilis*. Appl Microbiol Biotechnol, 2014. **98**(8): p. 3669-3678 Category: Biotechnology & Applied Microbiology **Impact Factor: 3.811** Ranking: 32/165 [MICRO]
30. Chua, K.Y., **B.P. Howden, J.H. Jiang, T. Stinear and A.Y. Peleg**, *Population genetics and the evolution of virulence in Staphylococcus aureus*. Infect Genet Evol, 2014. **21**: p. 554-562 Category: Infectious Diseases **Impact Factor: 3.264** Ranking: 23/70 [MICRO]
31. **Chua, K.Y.**, I.R. Monk, Y.H. Lin, **T. Seemann, K.L. Tuck, J.L. Porter, J. Stepnell, G.W. Coombs, J.K. Davies, T.P. Stinear and B.P. Howden**, *Hyperexpression of alpha-hemolysin explains enhanced virulence of sequence type 93 community-associated methicillin-resistant Staphylococcus aureus*. BMC Microbiol, 2014. **14**: p. 31,1-13 Category: Microbiology **Impact Factor: 2.976** Ranking: 42/119 [MICRO]
32. Cicek, A.C., A. Saral, M. Iraz, A. Ceylan, A.O. Duzgun, **A.Y. Peleg** and C. Sandalli, *OXA- and GES-type beta-lactamases predominate in extensively drug-resistant Acinetobacter baumannii isolates from a Turkish University Hospital*. Clin Microbiol Infect, 2014. **20**(5): p. 410-415 Category: Microbiology **Impact Factor: 5.197** Ranking: 18/119 [MICRO]
33. **Cooke, B.M.**, J. Stuart and G.B. Nash, *The cellular and molecular rheology of malaria*. Biorheology, 2014. **51**(2): p. 99-119 Category: Engineering, Biomedical **Impact Factor: 1.590** Ranking: 39/77 [MICRO]

34. **Davies, J.K., P.F. Harrison, Y.H. Lin, S. Bartley, C.A. Khoo, T. Seemann, C.S. Ryan, C.M. Kahler and S.A. Hill**, *The use of high-throughput DNA sequencing in the investigation of antigenic variation: application to Neisseria species*. PLoS One, 2014. **9**(1): p. e86704.1-9 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [**MICRO**]
35. **Davies, J.K. and C.M. Kahler**, eds. *Pathogenic Neisseria*. Vol. 1. 2014, Caister Academic Press: UK. 1-260 [**MICRO**]
36. **Deveson Lucas, D.S., M. Lo, D.M. Bulach, N.S. Quinsey, G.L. Murray, A. Allen and B. Adler**, *Recombinant LipL32 stimulates interferon-gamma production in cattle vaccinated with a monovalent Leptospira borgpetersenii serovar Hardjo subtype Hardjovovis vaccine*. Vet Microbiol, 2014. **169**(3-4): p. 163-170 Category: Microbiology **Impact Factor: 2.726** Ranking: 50/119 [**MICRO,BCH**]
37. **Drummer, H.E.**, *Challenges to the development of vaccines to hepatitis C virus that elicit neutralizing antibodies*. Front Microbiol, 2014. **5**(329): p. 1-10 Category: Microbiology **Impact Factor: 3.941** Ranking: 25/119 [**MICRO**]
38. **Drummer, H.E.**, *Antibodies to the high density lipoprotein receptor SR-B1 potently inhibit hepatitis C virus replication in vivo: New avenues for preventing reinfection of the liver following transplantation*. Hepatology, 2014. **60**(5): p. 1463-1465 Category: Gastroenterology & Hepatology **Impact Factor: 11.190** Ranking: 3/74 [**MICRO**]
39. **Elsworth, B., B.S. Crabb and P.R. Gilson**, *MICROREVIEW: Protein export in malaria parasites: an update*. Cell Microbiol, 2014. **16**(3): p. 355-363 Category: Microbiology **Impact Factor: 4.816** Ranking: 20/119 [**MICRO**]
40. **Elsworth, B., K. Matthews, C.Q. Nie, M. Kalanon, S.C. Charnaud, P.R. Sanders, S.A. Chisholm, N.A. Counihan, P.J. Shaw, P. Pino, J.A. Chan, M.F. Azevedo, S.J. Rogerson, J.G. Beeson, B.S. Crabb, P.R. Gilson and T.F. de Koning-Ward**, *PTEX is an essential nexus for protein export in malaria parasites*. Nature, 2014. **511**(7511): p. 587-591 Category: Multidisciplinary Sciences **Impact Factor: 42.351** Ranking: 1/55 [**MICRO**]
41. **Flynn, J.K., R. Sacks-Davis, P. Higgs, C. Aitken, S. Moneer, V. Suppiah, L. Tracy, R. Ffrench, S. Bowden, H. Drummer, J. George, M. Bharadwaj and M. Hellard**, *Detection of HCV-Specific IFN-gamma Responses in HCV Antibody and HCV RNA Negative Injecting Drug Users*. Hepat Mon, 2014. **14**(1): p. e14678.1-14 Category: Gastroenterology & Hepatology **Impact Factor: 1.796** Ranking: 57/74 [**MICRO**]
42. **Graciotti, M., M. Alam, L. Solyakov, R. Schmid, G. Burley, A.R. Bottrill, C. Doerig, P. Cullis and A.B. Tobin**, *Malaria protein kinase CK2 (PfCK2) shows novel mechanisms of regulation*. PLoS One, 2014. **9**(3): p. e85391.1-8 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [**MICRO**]

43. Gray, L.R., M. Roche, J.K. Flynn, S.L. Wesselingh, P.R. Gorry and **M.J. Churchill**, *Is the central nervous system a reservoir of HIV-1?* Curr Opin HIV AIDS, 2014. **9**(6): p. 552-558 Category: Immunology **Impact Factor: 4.392** Ranking: 31/144 [**MICRO**]
44. **Gray, L.R.**, S.G. Turville, T.L. Hitchen, W.J. Cheng, A.M. Ellett, H. Salimi, M.J. Roche, S.L. Wesselingh, P.R. Gorry and **M.J. Churchill**, *HIV-1 entry and trans-infection of astrocytes involves CD81 vesicles.* PLoS One, 2014. **9**(2): p. e90620.1-8 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [**BCH,MICRO**]
45. **Harper, M.**, F. St Michael, **M. John, J. Steen**, L. van Dorsten, H. Parnas, E. Vinogradov, **B. Adler**, A.D. Cox and **J.D. Boyce**, *Structural analysis of lipopolysaccharide produced by Heddleston serovars 10, 11, 12 and 15 and the identification of a new Pasteurella multocida lipopolysaccharide outer core biosynthesis locus, L6.* Glycobiology, 2014. **24**(7): p. 649-659 Category: Biochemistry & Molecular Biology **Impact Factor: 3.747** Ranking: 94/291 [**MICRO**]
46. **Hearps, A.**, R. Gugasyan, **D. Srbinovski**, D. Tyssen, **M. Aldunate**, D.J. Anderson, R. Cone and **G. Tachedjian**. *Lactic Acid, a Vaginal Microbiota Metabolite, Elicits an Anti-inflammatory Response from Vaginal and Cervical Epithelial Cells.* in *HIC Research for Prevention*. 2014. South Africa: Mary Ann Liebert Inc Publishers Category: Infectious Diseases **Impact Factor: 2.457** Ranking: 41/72 [**MICRO**]
47. **Heinz, E.**, C. Hacker, P. Dean, J. Mifsud, A.V. Goldberg, T.A. Williams, S. Nakjang, A. Gregory, R.P. Hirt, J.M. Lucocq, E.R. Kunji and T.M. Embley, *Plasma membrane-located purine nucleotide transport proteins are key components for host exploitation by microsporidian intracellular parasites.* PLoS Pathog, 2014. **10**(12): p. e1004547.1-12 Category: Microbiology **Impact Factor: 8.057** Ranking: 10/119 [**MICRO**]
48. **Heinz, E.** and **T. Lithgow**, *A comprehensive analysis of the Omp85/TpsB protein superfamily structural diversity, taxonomic occurrence, and evolution.* Front Microbiol, 2014. **5**(370): p. 1-13 Category: Microbiology **Impact Factor: 3.941** Ranking: 25/119 [**MICRO**]
49. Hewitson, T.D., E.R. Smith and **C.S. Samuel**, *Qualitative and quantitative analysis of fibrosis in the kidney.* Nephrology (Carlton), 2014. **19**(11): p. 721-726 Category: Urology & Nephrology **Impact Factor: 1.864** Ranking: 38/77 [**MICRO**]
50. **Hiscox, T.J.**, K. Ohtani, T. Shimizu, **J.K. Cheung** and **J.I. Rood**, *Identification of a two-component signal transduction system that regulates maltose genes in Clostridium perfringens.* Anaerobe, 2014. **30**: p. 199-204 Category: Microbiology **Impact Factor: 2.364** Ranking: 63/119 [**MICRO**]

51. Holmes, N.E. and **B.P. Howden**, *REVIEW: What's new in the treatment of serious MRSA infection?* *Curr Opin Infect Dis*, 2014. **27**(6): p. 471-478 Category: Infectious Diseases **Impact Factor: 5.034** Ranking: 8/72 [**MICRO**]
52. Holmes, N.E., J.D. Turnidge, W.J. Munckhof, J.O. Robinson, T.M. Korman, M.V. O'Sullivan, T.L. Anderson, S.A. Roberts, S.J. Warren, G.W. Coombs, H.L. Tan, W. Gao, **P.D. Johnson** and **B.P. Howden**, *Genetic and molecular predictors of high vancomycin minimum inhibitory concentration in Staphylococcus aureus bacteremia isolates.* *J Clin Microbiol*, 2014. **52**(9): p. 3384-3393 Category: Microbiology **Impact Factor: 4.232** Ranking: 23/119 [**MICRO**]
53. **Howden, B.P.**, *Antibiotics and Staphylococcus aureus--more than meets the MIC.* *J Mol Med (Berl)*, 2014. **92**(2): p. 103-106 Category: Medicine, Research and Experimental **Impact Factor: 4.739** Ranking: 17/122 [**MICRO**]
54. **Howden, B.P.**, **A.Y. Peleg** and **T.P. Stinear**, *The evolution of vancomycin intermediate Staphylococcus aureus (VISA) and heterogenous-VISA.* *Infect Genet Evol*, 2014. **21**: p. 575-582 Category: Infectious Diseases **Impact Factor: 3.264** Ranking: 23/70 [**MICRO**]
55. Hughson, M.D., **V.G. Puelles**, W.E. Hoy, **R.N. Douglas-Denton**, S.A. Mott and **J.F. Bertram**, *Hypertension, glomerular hypertrophy and nephrosclerosis: the effect of race.* *Nephrol Dial Transplant*, 2014. **29**(7): p. 1399-1409 Category: Urology & Nephrology **Impact Factor: 3.488** Ranking: 11/75 [**MICRO**]
56. **Hutton, M.L.**, **K.E. Mackin**, **A. Chakravorty** and **D. Lyras**, *REVIEW: Small animal models for the study of Clostridium difficile disease pathogenesis.* *FEMS Microbiol Lett*, 2014. **352**(2): p. 140-149 Category: Microbiology **Impact Factor: 2.723** Ranking: 51/119 [**MICRO**]
57. **Kats, L.M.**, **K.M. Fernandez**, **F.K. Glenister**, **S. Herrmann**, **D.W. Buckingham**, **G. Siddiqui**, **L. Sharma**, **R. Bamert**, **I. Lucet**, M. Guillotte, O. Mercereau-Puijalon and **B.M. Cooke**, *An exported kinase (FIKK4.2) that mediates virulence-associated changes in Plasmodium falciparum-infected red blood cells.* *Int J Parasitol*, 2014. **44**(5): p. 319-328 Category: Parasitology **Impact Factor: 3.404** Ranking: 7/36 [**MICRO,BCH**]
58. KayvanJoo, A.H., M. Ebrahimi and **G. Haqshenas**, *Prediction of hepatitis C virus interferon/ribavirin therapy outcome based on viral nucleotide attributes using machine learning algorithms.* *BMC Res Notes*, 2014. **7**: p. 565.1-11 [**MICRO**]

59. **Kennan, R.M.**, M. Gilhuus, S. Frosth, **T. Seemann**, O.P. Dhungyel, **R.J. Whittington, J.D. Boyce, D.R. Powell**, A. Aspan, H.J. Jorgensen, **D.M. Bulach** and **J.I. Rood**, *Genomic evidence for a globally distributed, bimodal population in the ovine footrot pathogen *Dichelobacter nodosus**. MBio, 2014. **5**(5): p. e01821-14.1-12 Category: Microbiology **Impact Factor: 6.875** Ranking: 12/119 [**MICRO**]
60. Kern, S., S. Agarwal, K. Huber, A.P. Gehring, B. Strodke, C.C. Wirth, T. Brugl, L.O. Abodo, T. Dandekar, **C. Doerig**, R. Fischer, A.B. Tobin, M.M. Alam, F. Bracher and G. Pradel, *Inhibition of the SR protein-phosphorylating CLK kinases of Plasmodium falciparum impairs blood stage replication and malaria transmission*. PLoS One, 2014. **9**(9): p. e105732.1-15 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [**MICRO**]
61. King, A.M., G. Pretre, T. Bartpho, R.W. Sermswan, C. Toma, T. Suzuki, A. Eshghi, M. Picardeau, **B. Adler** and **G.L. Murray**, *High-temperature protein G is an essential virulence factor of Leptospira interrogans*. Infect Immun, 2014. **82**(3): p. 1123-1131 Category: Infectious Diseases **Impact Factor: 4.156** Ranking: 14/70 [**MICRO**]
62. Kumar, P., A. Tripathi, R. Ranjan, J. Halbert, T. Gilberger, **C. Doerig** and P. Sharma, *Regulation of Plasmodium falciparum development by Calcium-Dependent Protein Kinase 7 (PfCDPK7)*. J Biol Chem, 2014. **289**(29): p. 20386-20395 Category: Biochemistry & Molecular Biology **Impact Factor: 4.600** Ranking: 65/291 [**MICRO**]
63. **Kuruppu, S.**, N.W. Rajapakse, **R.A. Dunstan** and **A.I. Smith**, *Nitric oxide inhibits the production of soluble endothelin converting enzyme-1*. Mol Cell Biochem, 2014. **396**(1-2): p. 49-54 Category: Cell Biology **Impact Factor: 2.388** Ranking: 123/185 [**BCH,MICRO**]
- 64. Leyton, D.L., M.D. Johnson, R. Thapa, G.H. Huysmans, R.A. Dunstan, N. Celik, H.H. Shen, D. Loo, M.J. Belousoff, A.W. Purcell, I.R. Henderson, T. Beddoe, J. Rossjohn, L.L. Martin, R.A. Strugnell and T. Lithgow**, *A mortise-tenon joint in the transmembrane domain modulates autotransporter assembly into bacterial outer membranes*. Nat Commun, 2014. **5**: p. 4239.1-11 Category: Multidisciplinary Sciences **Impact Factor: 10.742** Ranking: 3/55 [**MICRO,BCH**]
65. Lim, C.J., A.C. Cheng, J. Kennon, D. Spelman, D. Hale, G. Melican, H.E. Sidjabat, D.L. Paterson, D.C. Kong and **A.Y. Peleg**, *Prevalence of multidrug-resistant organisms and risk factors for carriage in long-term care facilities: a nested case-control study*. J Antimicrob Chemother, 2014. **69**(7): p. 1972-1980 Category: Microbiology **Impact Factor: 5.439** Ranking: 17/119 [**MICRO**]

66. Lim, C.J., A.C. Cheng, D.C. Kong and **A.Y. Peleg**, *Community-onset bloodstream infection with multidrug-resistant organisms: a matched case-control study*. BMC Infect Dis, 2014. **14**(126): p. 1-9 Category: Infectious Diseases **Impact Factor: 2.561** Ranking: 35/70 **[MICRO]**
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