

DEPARTMENT OF MICROBIOLOGY

2015 RESEARCH PUBLICATIONS

RED = High Impact papers with either first &/or last SoBS author = **8**

GREEN = High Impact papers but no first &/or last SoBS author and also Review papers or Letters to the Editor etc. = **10**

1. Abbott, I.J., A.W. Jenney, D.W. Spelman, D.V. Pilcher, H.E. Sidjabat, L.J. Richardson, D.L. Paterson and **A.Y. Peleg**, *Active surveillance for multidrug-resistant Gram-negative bacteria in the intensive care unit*. Pathology, 2015. **47**(6): p. 575-579 Category: Pathology **Impact Factor: 2.188** Ranking: 30/76 [**MICRO**]
2. **Adams, V., T.D. Watts, D.M. Bulach, D. Lyras and J.I. Rood**, *Plasmid partitioning systems of conjugative plasmids from Clostridium perfringens*. Plasmid, 2015. **80**: p. 90-96 Category: Genetics & Heredity **Impact Factor: 1.578** Ranking: 123/167 [**MICRO**]
3. **Adler, B.**, *Vaccines against Leptospirosis*, in *Current Topics in Microbiology and Immunology*, B. Adler, Editor. 2015, Springer: Germany. p. 1-10 **Book Chapter** [**MICRO**]
4. **Adler, B.**, *History of Leptospirosis and Leptospira*, in *Current Topics in Microbiology and Immunology*, B. Adler, Editor. 2015, Springer: Germany. p. 251-272 **Book Chapter** [**MICRO**]
5. **Adler, B. and J. Frey**, *Preface*. Vet Microbiol, 2015. **179**(1-2): p. 1 Category: Veterinary Sciences **Impact Factor: 2.511** Ranking: 6/133 [**MICRO**]
6. Alam, M.M., L. Solyakov, A.R. Bottrill, C. Flueck, F.A. Siddiqui, S. Singh, S. Mistry, M. Viskaduraki, K. Lee, C.S. Hopp, C.E. Chitnis, **C. Doerig**, R.W. Moon, J.L. Green, A.A. Holder, D.A. Baker and A.B. Tobin, *Phosphoproteomics reveals malaria parasite Protein Kinase G as a signalling hub regulating egress and invasion*. Nat Commun, 2015. **6**(7285): p. 1-15 Category: Multidisciplinary Sciences **Impact Factor: 11.470** Ranking: 3/56 [**MICRO**]
7. **Aldunate, M., D. Srbinovski**, A.C. Hearps, C.F. Latham, P.A. Ramsland, R. Gugasyan, R.A. Cone and **G. Tachedjian**, *Antimicrobial and immune modulatory effects of lactic acid and short chain fatty acids produced by vaginal microbiota associated with eubiosis and bacterial vaginosis*. Front Physiol, 2015. **6**(Article # 164): p. 1-25 Category: Physiology **Impact Factor: 3.534** Ranking: 20/83 [**MICRO**]
8. **Alhammad, Y., J. Gu**, I. Boo, D. Harrison, **K. McCaffrey, P.T. Vietheer**, S. Edwards, C. Quinn, **F. Coulibaly, P. Pountourios** and **H.E. Drummer**, *Monoclonal antibodies directed towards the Hepatitis C virus glycoprotein E2 detect antigenic differences modulated by HVR1, HVR2 and the igVR*. J Virol, 2015. **89**(24): p. 12245-12261 Category: Virology **Impact Factor: 4.439** Ranking: 7/33 [**MICRO,BCH**]

9. Alhammad, Y.M., S. Maharajh, R. Butcher, J.S. Eden, P.A. White, P. Pountourios and **H.E. Drummer**, *Longitudinal Sequence and Functional Evolution within Glycoprotein E2 in Hepatitis C Virus Genotype 3a Infection*. PLoS One, 2015. **10**(5): p. e0126397.1-19 Category: Multidisciplinary Sciences **Impact Factor: 3.234** Ranking: 8/56 [**MICRO**]
10. **Aljofan, M.**, *PERSPECTIVE: Henipaviruses are not yet history*. Future Virology, 2015. **10**(5): p. 507-515 Category: Virology **Impact Factor: 1.011** Ranking: 31/33 [**MICRO**]
11. Alshammari, T.M., A.A. Al-Hassan, T.B. Hadda and **M. Aljofan**, *Comparison of different serum sample extraction methods and their suitability for mass spectrometry analysis*. Saudi Pharm J, 2015. **23**(6): p. 689-97 Category: Pharmacology & Pharmacy **Impact Factor: 1.283** Ranking: 194/255 [**MICRO**]
12. Alt, D.P., J.H. Wilson-Welder, D.O. Bayles, C. Cameron, **B. Adler**, **D.M.S. Bulach**, T., M.J. Lehane, L.R. Haines, A.C. Darby, N. Hall, A.D. Radford and R.L. Zuerner, *Complete Genome Sequence of Leptospira interrogans Serovar Bratislava, Strain PigK151*. Genome Announc, 2015. **3**(3): p. 1-2 [**MICRO**]
13. **Amy, J.**, **P. Johanesen** and **D. Lyras**, *REVIEW: Extrachromosomal and integrated genetic elements in Clostridium difficile*. Plasmid, 2015. **80**: p. 97-110 Category: Genetics & Heredity **Impact Factor: 1.578** Ranking: 123/167 [**MICRO**]
14. **Atack, J.M.**, **Y.N. Srikhanta**, K.L. Fox, J.A. Jurcisek, K.L. Brockman, T.A. Clark, M. Boitano, P.M. Power, F.E. Jen, A.G. McEwan, **S.M. Grimmond**, A.L. Smith, S.J. Barenkamp, J. Korlach, L.O. Bakaletz and M.P. Jennings, *A biphasic epigenetic switch controls immunoevasion, virulence and niche adaptation in non-typeable Haemophilus influenzae*. Nat Commun, 2015. **6**(7828): p. 1-12 Category: Multidisciplinary Sciences **Impact Factor: 11.470** Ranking: 3/56 [**MICRO**]
15. Atkinson, S.H., S.M. Uyoga, A.E. Armitage, S. Khandwala, C.K. Mugenyi, P. Bejon, K. Marsh, **J.G. Beeson**, A.M. Prentice, H. Drakesmith and T.N. Williams, *Malaria and Age Variably but Critically Control Hcpidin Throughout Childhood in Kenya*. EBioMedicine, 2015. **2**(10): p. 1478-1486 [**MICRO**]
16. Aubron, C., S. Suzuki, N.J. Glassford, M. Garcia-Alvarez, **B.P. Howden** and R. Bellomo, *The epidemiology of bacteriuria and candiduria in critically ill patients*. Epidemiol Infect, 2015. **143**: p. 653-662 Category: Infectious Diseases **Impact Factor: 2.535** Ranking: 41/78 [**MICRO**]

17. Baek, K.T., L. Thogersen, R.G. Mogensen, M. Møllgaard, L.E. Thomsen, A. Petersen, S. Skov, **D.R. Cameron, A.Y. Peleg** and D. Frees, *Step-wise decrease in daptomycin susceptibility in clinical Staphylococcus aureus isolates associated with an initial mutation in rpoB and a compensatory inactivation of the clpX gene*. Antimicrob Agents Chemother, 2015. **59**(11): p. 6983-6991 Category: Microbiology **Impact Factor: 4.476** Ranking: 19/119 **[MICRO]**
18. Baines, S.L., K.E. Holt, M.B. Schultz, **T. Seemann**, B.O. Howden, S.O. Jensen, S.J. van Hal, G.W. Coombs, N. Firth, **D.R. Powell, T.P. Stinear** and **B.P. Howden**, *Convergent adaptation in the dominant global hospital clone ST239 of methicillin-resistant Staphylococcus aureus*. MBio, 2015. **6**(2): p. e00080.1-9 Category: Microbiology **Impact Factor: 6.786** Ranking: 11/119 **[MICRO]**
19. Baker, K.S., T.J. Dallman, P.M. Ashton, M. Day, G. Hughes, P.D. Crook, V.L. Gilbert, S. Zittermann, V.G. Allen, **B.P. Howden**, T. Tomita, M. Valcanis, S.R. Harris, T.R. Connor, V. Sintchenko, P. Howard, J.D. Brown, N.K. Petty, M. Gouali, D.P. Thanh, K.H. Keddy, A.M. Smith, K.A. Talukder, S.M. Faruque, J. Parkhill, S. Baker, F.X. Weill, C. Jenkins and N.R. Thomson, *Intercontinental dissemination of azithromycin-resistant shigellosis through sexual transmission: a cross-sectional study*. Lancet Infect Dis, 2015. **15**(8): p. 913-921 Category: Infectious Diseases **Impact Factor: 22.433** Ranking: 1/78 **[MICRO]**
20. **Bartpho, T.** and **G.L. Murray**, *Identification of genes essential for leptospirosis*, in *Methods Mol Biol*. 2015. p. 67-77 **Book Chapter [MICRO]**
21. **Beeson, J.G.**, C. Chu, **J.S. Richards**, F. Nosten and F.J. Fowkes, *REVIEW: Plasmodium vivax malaria: challenges in diagnosis, treatment, and elimination*. Pediatr Infect Dis J, 2015. **34**(5): p. 529-531 Category: Infectious Diseases **Impact Factor: 2.723** Ranking: 34/78 **[MICRO]**
22. Berti, A.D., S.L. Baines, **B.P. Howden**, G. Sakoulas, V. Nizet, R.A. Proctor and W.E. Rose, *Heterogeneity of Genetic Pathways toward Daptomycin Nonsusceptibility in Staphylococcus aureus Determined by Adjunctive Antibiotics*. Antimicrob Agents Chemother, 2015. **59**(5): p. 2799-2806 Category: Microbiology **Impact Factor: 4.476** Ranking: 19/119 **[MICRO]**
23. **Biezen, R.**, A.J. Pollack, C. Harrison, B. Brijnath, D. Grando, H.C. Britt and D. Mazza, *Respiratory tract infections among children younger than 5 years: current management in Australian general practice*. Med J Aust, 2015. **202**(5): p. 262-266 Category: Medicine, General & Internal **Impact Factor: 4.089** Ranking: 20/153 **[MICRO]**

24. Boyle, M.J., L. Reiling, G. Feng, C. Langer, F.H. Osier, H. Aspelng-Jones, Y.S. Cheng, J. Stubbs, K.K. Tetteh, D.J. Conway, J.S. McCarthy, I. Muller, K. Marsh, R.F. Anders and **J.G. Beeson**, *Human Antibodies Fix Complement to Inhibit Plasmodium falciparum Invasion of Erythrocytes and Are Associated with Protection against Malaria*. *Immunity*, 2015. **42**(3): p. 580-590 Category: Immunology **Impact Factor: 21.561** Ranking: 3/148 [**MICRO**]
25. Brochet, M., A.B. Tobin, O. Billker and **C. Doerig**, *The Kinomics of Malaria*, in *Kinomics - Approaches and Applications*, a.S.M. H-B Kraatz, Editor. 2015, Wiley-VCH Verlag GmbH & Co. KGaA: Germany. p. 115-135 **Book Chapter** [**MICRO**]
26. Brundin, M., **D. Figdor**, G. Sundqvist and U. Sjogren, *Preservation of Fusobacterium nucleatum and Peptostreptococcus anaerobius DNA after loss of cell viability*. *Int Endod J*, 2015. **48**(1): p. 37-45 Category: Dentistry, Oral Surgery and Medicine **Impact Factor: 2.971** Ranking: 10/87 [**MICRO**]
27. **Cameron, D.R., J.H. Jiang**, I.J. Abbott, D.W. Spelman and **A.Y. Peleg**, *Draft Genome Sequences of Clinical Daptomycin-Nonsusceptible Methicillin-Resistant Staphylococcus aureus Strain APS211 and Its Daptomycin-Susceptible Progenitor APS210*. *Genome Announc*, 2015. **3**(3): p. 1-2 [**MICRO**]
28. **Cameron, D.R., J.H. Jiang**, K.A. Hassan, L.D. Elbourne, K.L. Tuck, I.T. Paulsen and **A.Y. Peleg**, *Insights on virulence from the complete genome of Staphylococcus capitis*. *Front Microbiol*, 2015. **6**(Article #980): p. 1-12 Category: Microbiology **Impact Factor: 3.989** Ranking: 27/119 [**MICRO**]
29. **Cameron, D.R.**, L.I. Mortin, A. Rubio, E. Mylonakis, R.C. Moellering, Jr., G.M. Eliopoulos and **A.Y. Peleg**, *Impact of daptomycin resistance on Staphylococcus aureus virulence*. *Virulence*, 2015. **6**(2): p. 127-131 Category: Immunology **Impact Factor: 4.216** Ranking: 32/148 [**MICRO**]
30. Cao, J., **B. Adler** and P. Perlmutter, *Synthesis and evaluation of antibacterial activity of (R)-2-methylheptyl isonicotinate, a putative naturally occurring bioactive agent*. *Bioorg Med Chem Lett*, 2015. **25**(22): p. 5025-5027 Category: Chemistry, Medicinal **Impact Factor: 2.420** Ranking: 30/59 [**MICRO**]
31. **Carter, G.P., A. Chakravorty**, T.A. Pham Nguyen, **S. Mileto**, F. Schreiber, **L. Li, P. Howarth**, S. Clare, **B. Cunningham**, S.P. Sambol, A. Cheknis, I. Figueroa, S. Johnson, D. Gerding, **J.I. Rood**, G. Dougan, T.D. Lawley and **D. Lyras**, *Defining the Roles of TcdA and TcdB in Localized Gastrointestinal Disease, Systemic Organ Damage, and the Host Response during Clostridium difficile Infections*. *MBio*, 2015. **6**(3): p. e00551.1-15 Category: Microbiology **Impact Factor: 6.786** Ranking: 11/119 [**MICRO**]

32. Cashin, K., L.R. Gray, K.L. Harvey, D. Perez-Bercoff, G.Q. Lee, J. Sterjovski, M. Roche, J.F. Demarest, F. Drummond, P.R. Harrigan, **M.J. Churchill** and P.R. Gorry, *Reliable Genotypic Tropism Tests for the Major HIV-1 Subtypes*. Sci Rep, 2015. **5**(8543): p. 1-8 Category: Multidisciplinary Sciences **Impact Factor: 5.578** Ranking: 5/56 [**MICRO**]
33. **Chakravorty, A., M.M. Awad, J.K. Cheung, T.J. Hiscox, D. Lyras** and **J.I. Rood**, *The pore-forming alpha-toxin from clostridium septicum activates the MAPK pathway in a Ras-c-Raf-dependent and independent manner*. Toxins (Basel), 2015. **7**(2): p. 516-534 Category: Toxicology **Impact Factor: 2.938** Ranking: 28/87 [**MICRO**]
34. **Chen, J., J.I. Rood** and **B.A. McClane**, *Correction for Chen et al., Epsilon-Toxin Production by Clostridium perfringens Type D Strain CN3718 Is Dependent upon the agr Operon but Not the VirS/VirR Two-Component Regulatory System*. MBio, 2015. **6**(1): p. 1 Category: Microbiology **Impact Factor: 6.786** Ranking: 11/119 [**MICRO**]
35. Chua, E.G., **K. Al-Hasani**, M. Scanlon, **B. Adler** and H. Sakellaris, *Determinants of Proteolysis and Cell-Binding for the Shigella flexneri Cytotoxin, SigA*. Curr Microbiol, 2015. **71**(5): p. 613-617 Category: Microbiology **Impact Factor: 1.423** Ranking: 97/119 [**MICRO**]
36. Coad, B.R., S.J. Lamont-Friedrich, L. Gwynne, M. Jasieniak, S.S. Griesser, **A. Traven, A.Y. Peleg** and H.J. Griesser, *Surface coatings with covalently attached caspofungin are effective in eliminating fungal pathogens*. J Mat Chem B, 2015. **3**(43): p. 8469-8476 Category: Materials Science, Biomaterials **Impact Factor: 4.726** Ranking: 6/33 [**BCH,MICRO**]
37. Collins, D.J., **B. Morahan, J. Garcia-Bustos, C. Doerig, M. Plebanski** and **A. Neild**, *Two-dimensional single-cell patterning with one cell per well driven by surface acoustic waves*. Nat Commun, 2015. **6**(Article # 8686): p. 1-11 Category: Multidisciplinary Sciences **Impact Factor: 11.470** Ranking: 3/57 [**MICRO**]
38. Colpitts, C.C., J. Lupberger, **C. Doerig** and T.F. Baumert, *REVIEW: Host cell kinases and the hepatitis C virus life cycle*. Biochim Biophys Acta, 2015. **1854**(10 [Part B]): p. 1657-1662 [**MICRO**]
39. Couchman, E.C., H.P. Browne, M. Dunn, T.D. Lawley, J.G. Songer, V. Hall, L. Petrovska, **C. Vidor, M. Awad, D. Lyras** and N.F. Fairweather, *Clostridium sordellii genome analysis reveals plasmid localized toxin genes encoded within pathogenicity loci*. BMC Genomics, 2015. **16**(1): p. 392.1-13 Category: Biotechnology & Applied Microbiology **Impact Factor: 3.986** Ranking: 26/162 [**MICRO**]
40. Cui, J., **G. Tachedjian** and L.F. Wang, *Bats and Rodents Shape Mammalian Retroviral Phylogeny*. Sci Rep, 2015. **5**: p. 16561. 1-7 Category: Multidisciplinary Sciences **Impact Factor: 5.578** Ranking: 5/56 [**MICRO,BCH**]

41. **Deen, N.S., L. Gong, T. Naderer, R.J. Devenish and T. Kwok**, *Analysis of the Relative Contribution of Phagocytosis, LC3-Associated Phagocytosis, and Canonical Autophagy During Helicobacter pylori Infection of Macrophages*. *Helicobacter*, 2015. **20**(6): p. 449-459 Category: Gastroenterology & Hepatology **Impact Factor: 4.106** Ranking: 18/76 **[BCH,MICRO]**
42. Deshmukh, A.S., M. Agarwal, P. Mehra, A. Gupta, N. Gupta, **C.D. Doerig** and S.K. Dhar, *Regulation of Plasmodium falciparum Origin Recognition Complex subunit 1 (PfORC1) function through phosphorylation mediated by CDK like kinase PK5*. *Mol Microbiol*, 2015. **98**(1): p. 17-33 Category: Microbiology **Impact Factor: 4.419** Ranking: 20/119 **[MICRO]**
43. Dexter, C., **G.L. Murray**, I.T. Paulsen and **A.Y. Peleg**, *Community-acquired Acinetobacter baumannii: clinical characteristics, epidemiology and pathogenesis*. *Expert Rev Anti Infect Ther*, 2015. **13**(5): p. 567-573 Category: Pharmacology & Pharmacy **Impact Factor: 3.461** Ranking: 61/254 **[MICRO]**
44. **Dhamgaye, S., G.L. Murray** and A.Y. Peleg, *EDITORIAL: The influence of bacterial interaction on the virulence of Cryptococcus neoformans*. *Virulence*, 2015. **6**(7): p. 677-678 Category: Immunology **Impact Factor: 4.216** Ranking: 32/148 **[MICRO]**
45. **Doerig, C.** and C.G. Grevelding, *Targeting kinases in Plasmodium and Schistosoma: Same goals, different challenges*. *Biochim Biophys Acta*, 2015. **1854**(10 [Part B]): p. 1637-1643 **[MICRO]**
46. **Doerig, C., J.C. Rayner, A. Scherf and A.B. Tobin**, *Post-translational protein modifications in malaria parasites*. *Nat Rev Microbiol*, 2015. **13**(3): p. 160-172 Category: Microbiology **Impact Factor: 23.574** Ranking: 1/119 **[MICRO]**
47. Doi, Y., **G.L. Murray** and **A.Y. Peleg**, *Acinetobacter baumannii: evolution of antimicrobial resistance-treatment options*. *Semin Respir Crit Care Med*, 2015. **36**(1): p. 85-98 Category: Respiratory System **Impact Factor: 2.712** Ranking: 23/57 **[MICRO]**
48. Dorin-Semblat, D., C. Demarta-Gatsi, R. Hamelin, F. Armand, **T.G. Carvalho**, M. Moniatte and **C. Doerig**, *Malaria Parasite-Infected Erythrocytes Secrete PfCK1, the Plasmodium Homologue of the Pleiotropic Protein Kinase Casein Kinase 1*. *PLoS One*, 2015. **10**(12): p. e0139591.1-22 Category: Multidisciplinary Sciences **Impact Factor: 3.234** Ranking: 9/57 **[MICRO]**
49. Drew, D.R. and **J.G. Beeson**, *SPOTLIGHT: PfrH5 as a candidate vaccine for Plasmodium falciparum malaria*. *Trends Parasitol*, 2015. **31**(3): p. 87-88 Category: Parasitology **Impact Factor: 6.204** Ranking: 4/36 **[MICRO]**

50. Drobnak, I., E. Braselmann, J.L. Chaney, D.L. Leyton, H.D. Bernstein, **T. Lithgow**, J. Luirink, J.P. Nataro and P.L. Clark, *REVIEW-MICRO: Of linkers and autochaperones: An unambiguous nomenclature to identify common and uncommon themes for autotransporter secretion*. Mol Microbiol, 2015. **95**(1): p. 1-16 Category: Biochemistry & Molecular Biology **Impact Factor: 4.419** Ranking: 66/289 [**MICRO**]
51. **Dunstan, R.A., I.D. Hay**, J.J. Wilksch, **R.B. Schittenhelm, A.W. Purcell, J. Clark, A. Costin, G. Ramm**, R.A. Strugnell and **T. Lithgow**, *Assembly of the secretion pores GspD, Wza and CsgG into bacterial outer membranes does not require the Omp85 proteins BamA or TamA*. Mol Microbiol, 2015. **97**(4): p. 616-629 Category: Biochemistry & Molecular Biology **Impact Factor: 4.419** Ranking: 66/289 [**MICRO,BCH**]
52. Elewa, A., M. Shirayama, E. Kaymak, **P.F. Harrison, D.R. Powell**, Z. Du, C.D. Chute, H. Woolf, D. Yi, T. Ishidate, J. Srinivasan, Z. Bao, **T.H. Beilharz**, S.P. Ryder and C.C. Mello, *POS-1 Promotes Endo-mesoderm Development by Inhibiting the Cytoplasmic Polyadenylation of neg-1 mRNA*. Dev Cell, 2015. **34**(1): p. 108-118 Category: Cell Biology **Impact Factor: 9.708** Ranking: 19/184 [**MICRO,BCH**]
53. **Ellisdon, A.M., C.F. Reboul, S. Panjkar, K. Huynh, C.A. Oellig, K.L. Winter, M.A. Dunstone, W.C. Hodgson**, J. Seymour, P.K. Dearden, R.K. Tweten, **J.C. Whisstock** and **S. McGowan**, *Stonefish toxin defines an ancient branch of the perforin-like superfamily*. Proc Natl Acad Sci U S A, 2015. **112**(50): p. 15360-15365 Category: Multidisciplinary Sciences **Impact Factor: 9.674** Ranking: 4/57 [**BCH,MICRO,PHARM**]
54. Freedman, J.C., J.R. Theoret, J.A. Wisniewski, F.A. Uzal, **J.I. Rood** and B.A. McClane, *Clostridium perfringens type A-E toxin plasmids*. Res Microbiol, 2015. **166**(5): p. 264-279 Category: Microbiology **Impact Factor: 2.705** Ranking: 55/119 [**MICRO**]
55. Garcia, J.P., F. Giannitti, J.W. Finnie, J. Manavis, J. Beingesser, **V. Adams, J.I. Rood** and F.A. Uzal, *Comparative Neuropathology of Ovine Enterotoxemia Produced by Clostridium perfringens Type D Wild-Type Strain CN1020 and Its Genetically Modified Derivatives*. Vet Pathol, 2015. **52**(3): p. 465-475 Category; Veterinary Sciences **Impact Factor: 1.869** Ranking: 18/133 [**MICRO**]
56. Gardiner, B.J., I. Simpson, **M.H. Khuu**, S.E. Kidd, C.H. Lo and **G.A. Jenkin**, *An unusual ulcer: A case of cutaneous mucormycosis caused by Rhizopus oryzae* Med Mycology Case Reports, 2015. **7**: p. 8-11 [**MICRO**]
57. **Gong, L., S.C. Lai, P. Treerat, M. Prescott, B. Adler, J.D. Boyce** and **R.J. Devenish**, *Burkholderia pseudomallei type III secretion system cluster 3 ATPase BsaS: a chemotherapeutic target for small molecule ATPase inhibitors*. Infect Immun, 2015. **83**(4): p. 1276-1285 Category: Infectious Diseases **Impact Factor: 3.731** Ranking: 23/78 [**BCH,MICRO**]

58. Guy, A.J., V. Irani, C.A. MacRaild, R.F. Anders, R.S. Norton, **J.G. Beeson**, J.S. Richards and P.A. Ramsland, *Insights into the Immunological Properties of Intrinsically Disordered Malaria Proteins Using Proteome Scale Predictions*. PLoS One, 2015. **10**(10): p. e0141729.1-22 Category: Multidisciplinary Sciences **Impact Factor: 3.234** Ranking: 9/57 **[MICRO]**
59. **Han, X., X.D. Du, L. Southey, D.M. Bulach, T. Seemann, X.X. Yan, T.L. Bannam** and **J.I. Rood**, *Functional analysis of a bacitracin resistant determinant located on ICECp1, a novel Tn916-like element from a conjugative plasmid in Clostridium perfringens*. Antimicrob Agents Chemother, 2015. **59**(11): p. 6855-6865 Category: Microbiology **Impact Factor: 4.476** Ranking: 19/119 **[MICRO]**
60. **Harper, M., M. John, C. Turni, M. Edmunds, F. St Michael, B. Adler, P.J. Blackall, A.D. Cox** and **J.D. Boyce**, *Development of a Rapid Multiplex PCR Assay To Genotype Pasteurella multocida Strains by Use of the Lipopolysaccharide Outer Core Biosynthesis Locus*. J Clin Microbiol, 2015. **53**(2): p. 477-485 Category: Microbiology **Impact Factor: 3.993** Ranking: 26/119 **[MICRO]**
61. **Harper, M., F. St Michael, J.A. Steen, M. John, A. Wright, L. van Dorsten, E. Vinogradov, B. Adler, A.D. Cox** and **J.D. Boyce**, *Characterisation of the lipopolysaccharide produced by Pasteurella multocida serovars 6, 7 and 16; identification of lipopolysaccharide genotypes L4 and L8*. Glycobiology, 2015. **25**(3): p. 294-302 Category: Biochemistry & Molecular Biology **Impact Factor: 3.147** Ranking: 114/289 **[MICRO]**
62. **Harrison, P.F., D.R. Powell, J.L. Clancy, T. Preiss, P.R. Boag, A. Traven, T. Seemann** and **T.H. Beilharz**, *PAT-seq: a method to study the integration of 3'-UTR dynamics with gene expression in the eukaryotic transcriptome*. RNA, 2015. **21**(8): p. 1502-1510 Category: Biochemistry & Molecular Biology **Impact Factor: 4.936** Ranking: 53/289 **[MICRO,BCH]**
63. Hassan, K.A., L.D. Elbourne, S.G. Tetu, S.B. Melville, **J.I. Rood** and I.T. Paulsen, *Genomic analyses of Clostridium perfringens isolates from five toxinotypes*. Res Microbiol, 2015. **166**(4): p. 255-263 Category: Microbiology **Impact Factor: 2.705** Ranking: 55/119 **[MICRO]**
64. **Hay, I.D., J. Du, N. Burr** and B.H. Rehm, *Bioengineering of bacteria to assemble custom-made polyester affinity resins*. Appl Environ Microbiol, 2015. **81**(1): p. 282-291 Category: Microbiology **Impact Factor: 3.668** Ranking: 29/119 **[MICRO]**
65. **Hay, I.D., J. Du, P.R. Reyes** and B.H. Rehm, *In vivo polyester immobilized sortase for tagless protein purification*. Microb Cell Fact, 2015. **14**(1): p. 190.1-7 Category: Biotechnology & Applied Microbiology **Impact Factor: 4.221** Ranking: 22/163 **[MICRO]**

66. Headey, S.J., **A. Sivakumaran, V. Adams, D. Lyras, J.I. Rood**, M.J. Scanlon and **M.C. Wilce**, *Solution structure and DNA binding of the catalytic domain of the large serine resolvase TnpX*. J Mol Recognit, 2015. **28**(5): p. 316-324 Category: Biochemistry & Molecular Biology **Impact Factor: 2.151** Ranking: 193/289 [**BCH,MICRO**]
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