

## Professor Jonathan Edgeworth's publications

1. Tosas Auguet O, Betley J, Stabler R, Patel A, Ioannou A, Marbach H, Hern P, Ayree A, Goldenberg SD, Otter JA, Desai N, Karadag T, Grundy C, Gaunt M, Cooper BS, Edgeworth JD, Kypraios T (2016) Evidence for community transmission of community associated but not healthcare associated methicillin-resistant *Staphylococcus aureus* strains linked to social and material deprivation. *PLoS Med* 13(1):e1001944
2. Deeny SR, Worby CJ, Tosas Auguet O, Cooper BS, Edgeworth J, Cookson B, Robotham JV. (2016) Impact of mupirocin resistance on the transmission and control of healthcare-associated MRSA. *J Antimicrob Chemother.* 70:3366-78.
3. Fitzpatrick JM, Biswas JS, Edgeworth JD, Islam J, Jenkins N, Judge R, Lavery AJ, Melzer M, Morris-Jones S, Nsutebu EF, Peters J, Pillay DG, Pink F, Price JR, Scarborough M, Thwaites GE, Tilley R, Walker AS, Llewelyn MJ. (2016) Gram-negative bacteraemia; a multi-centre prospective evaluation of empiric antibiotic therapy and outcome in English acute hospitals. *Clin Microbiol Infect.* 22: 244-251
4. Hughes J, Stabler R, Gaunt M, Karadag T, Desai N, Betley J, Ioannou A, Aryee A, Hearn P, Marbach H, Patel A, Otter JA, Edgeworth JD, Tosas Auguet O. (2016) Clonal variation in high- and low-level phenotypic and genotypic mupirocin resistance of MRSA isolates in south-east London. *J Antimicrob Chemother.* 70(12):3191-9.
5. Barrett J, Edgeworth J, Wyncoll D (2015) Shortening the course of antibiotic treatment in the intensive care unit. *Expert Rev Anti-infect Ther* 1-9
6. Goldenberg SD, Bacelar M, Brazier P, Bisnauthsing K, Edgeworth JD. (2015) A cost-benefit analysis of the Luminex xTAG Gastrointestinal panel for detection of infectious gastroenteritis in hospitalised patients. *J Infect.* S0163-4453(14)00353-3.
7. Otter JA, Vickery K, Walker JT, deLancey Pulcini E, Stoodley P, Goldenberg SD, Salkeld JA, Chewins J, Yezli S, Edgeworth JD. (2015) Surface attached cells, biofilms and biocide susceptibility: implications for hospital cleaning and disinfection *J Hosp Infect.* 2015 Jan;89(1):16-27
8. Goldenberg SD, Edgeworth JD (2015) The Enigma ML FluAB-RSV assay: a fully automated molecular test for the rapid detection of influenza A,B and respiratory syncytial viruses in respiratory specimens. *Expert Rev Mol Diagn.* 1 :23-32
9. Otter JA, Tosas-Auguet O, Herdman MT, Williams B, Tucker D, Edgeworth JD, French GL (2014) Implications of targeted versus universal admission screening for methicillin-resistant *Staphylococcus aureus* carriage in a London hospital. *J Hosp Infect* 87 171-174
10. Edgeworth JD, Chis Ster I, Wyncoll D, Shankar-Hari M, McKenzie CA. (2014) Long-term adherence to a 5-day antibiotic course guideline for treatment of intensive care unit associated Gram-negative infections. *J Antimicrob Chemother* 69(6):1688-94

11. Kaasch AJ, Barlow G, Edgeworth JD, Fowler VG Jr, Hellmich M, Hopkins S, Kern WV, Llewelyn MJ, Rieg S, Rodriguez-Baño J, Scarborough M, Seifert H, Soriano A, Tilley R, Tórk ME, Weiß V, Wilson AP, Thwaites GE; ISAC, INSTINCT, SABG, UKCIRG, and Colleagues (2014) *Staphylococcus aureus* bloodstream infection: a pooled analysis of five prospective, observational studies. *J Infect* 68(3) 242-251
12. Vlek AL, Cooper BS, Kypraios T, Cox A Edgeworth JD, Auguet OT (2013) Clustering of antimicrobial resistance outbreaks across bacterial species in the intensive care unit *Clin Infect Dis* 57(1) 65-75
13. Holden MTG, Hsu L-Y, Kurt K, Weinert LA, Mather AE, Harris SR, Strommenger B, Layer F, Witte W, Lencastre H, Skov R, Westh H, Žemličková H, Coombs G, Kearns AM, Hill RLR, Edgeworth JD, Gould I, Gant V, Cooke J, Edwards GF, McAdam PR, Templeton KE, McCann A, Zhou Z, Castillo-Ramírez S, Feil EJ, Hudson LO, Enright MC, Balloux F, Aanensen DM, Spratt BG, Fitzgerald JR, Parkhill J, Achtman M, Bentley SD, Nübel U. (2013) A genomic portraiture of the emergence, evolution and global spread of a methicillin resistant *Staphylococcus aureus* pandemic *Genome Research* 23(4):653-664
14. Otter JA, Patel A, Cliff P, Halligan E, Tosas O, Edgeworth JD (2013) Selection for *qacA* carriage in CC22 but not CC30 MRSA bloodstream infection isolates during a successful institutional infection control programme. *J Antimicrob Chemother* 68(5):992-999
15. Harrison D, Muskett H, Harvey S, Grieve R, Shahin J, Patel K, Sadique Z, Allen E, Dybowski R, Jit M, Edgeworth J, Kibbler C, Barnes R, Soni N, Rowan K. (2013) Development and validation of a risk model for identification of non-neutropenic, critically ill adult patients at high risk of invasive *Candida* infection: the Fungal Infection Risk Evaluation (FIRE) Study. *Health Technol Assess*, 17(3):1-156 doi:10.3310/hta17030
16. Cooper BS, Kypraios T, Batra R, Wyncoll D, Tosas O, Edgeworth JD. (2012) Quantifying type-specific reproduction numbers for nosocomial pathogens: evidence for heightened transmission of an Asian sequence type 239 MRSA clone *PLOS Computational Biol* Apr;8(4):e1002454
17. Miller CE, Batra R, Cooper BS, Patel A, Klein J, Otter JA, Kypraios T, French GL, Olga Tosas O, Edgeworth JD (2012) An association between bacterial genotype combined with a high vancomycin MIC and risk of endocarditis in methicillin-resistant *Staphylococcus aureus* blood stream infection *Clin Infect Dis* 54:591-600
18. Robotham JV, Graves N, Cookson BD, Barnett AG, Wilson JA, Edgeworth JD, Batra R, Cuthbertson BH, Cooper BS (2011) A cost-effectiveness evaluation of screening, isolation and decolonisation strategies in the control of methicillin-resistant *Staphylococcus aureus* in intensive care units *BMJ* 343: doi: 10.1136/bmj.d5694
19. Thwaites GE, Edgeworth JD, Gkrania-Klotsas E, Kirby A, Estee Torok M, Tilley R, Walker S, Wertheim HFL, Wilson P, Llewelyn MJ: (2011) On behalf of the United Kingdom Clinical Infection Research Group. Do we know how to manage *Staphylococcus aureus* bacteraemia? *Lancet Infect Dis* 11; 208-222

20. Edgeworth JD. Has decolonization played a central role in the decline in UK MRSA transmission: A focus on evidence from intensive care (2010) J Antimicrob Chemoth 66 Suppl 2 ii 41-47
21. Harris S, Feil EJ, Holden MTG, Quail MA, Nickerson EK, Chantratita N, Gardete S, Taveres A, Day N, Lindsay J, Edgeworth JD, Lencastre H, Parkhill J, Peacock SJ, Bentley SD (2010) Evolution of MRSA during hospital transmission and intercontinental spread Science 327; 469-474.
22. Holden MTG, Lindsay JA, Corton C, Quail MA, Cockfield JD, Pathak S, Batra R, Parkhill J, Bentley SD, Edgeworth JD (2010) Genome sequence of a recently emerged highly-transmissible, multi-antibiotic and antiseptic resistant, variant of methicillin-resistant *Staphylococcus aureus* (MRSA) sequence-type 239 (TW) J Bacteriol 192; 888-92
23. Kahr V, Barrett NA, Shankar-Hari M, Slack H, Preston RL, Nic Fhogartaigh C, Edgeworth JD, Beale R. (2010) A life threatening sore throat masquerading as swine flu. Lancet 375;524
24. Batra R, Cooper BS, Whiteley C, Patel AK, Wyncoll D, Edgeworth JD (2010) Efficacy and Limitation of a Chlorhexidine-Based Decolonization Strategy in Preventing Transmission of Methicillin-Resistant *Staphylococcus aureus* on an Intensive Care Unit Clin Infect Dis 50;210-217.
25. Herdman MT, Wyncoll D, Halligan E, Cliff PR, French G, Edgeworth JD (2009) The clinical application of real-time PCR to screening critically ill and emergency surgical patients for methicillin-resistant *Staphylococcus aureus*: a quantitative analytical study J Clin Micro 47; 4102-8
26. Edgeworth JD. (2009) Intravascular catheter infections J Hosp Infect 73; 323-30
27. Batra R, Eziefula AC, Wyncoll D, Edgeworth JD (2008) Throat and rectal swabs may have an important role in MRSA screening of critically ill patients Intensive Care Med 34;1703-1706
28. Edgeworth JD, Yadegarfar G, Pathak S, Cockfield J, Wyncoll D, Beale R, and Lindsay JA (2007) An outbreak in an Intensive Care Unit of a strain of methicillin-resistant *Staphylococcus aureus* (MRSA) sequence type 239 associated with an increased rate of vascular access device related bacteremia. Clin Infect Dis 44;493-501