

PERSONAL INFORMATION

Saul Faust

WORK EXPERIENCE

February 2006- Present **Professor of Paediatric Immunology & Infectious Diseases and Director of NIHR Wellcome Trust Clinical Research Facility**
University of Southampton (United Kingdom)
Clinical paediatric immunology and infectious diseases
Research in paediatric infection, vaccinology (also adult early phase vaccine trials)

EDUCATION AND TRAINING

August 1987-July 1990 **BA (Cantab)**
University of Cambridge (United Kingdom)
Preclinical Medicine, Social and Political Sciences

August 1990-July 1993 **MBBS**
University College London (United Kingdom)
Medicine

March 1996-March 1996 **MRCP (UK) Paediatrics**
Royal College Of Physicians of London (United Kingdom)
Paediatrics

April 1998-March 2001 **PhD**
Imperial College London (United Kingdom)
Medicine

ADDITIONAL INFORMATION

Expertise Paediatric Infectious Diseases
Primary Immunodeficiency
Paediatric Sepsis and Intensive Care Trials
Paediatric and Adult vaccine trials
COVID-19 vaccines and trials

Publications

Hardt K, Vandebosch A, Sadoff J, Le Gars M, Truyers C, Lowson D, Van Dromme I, Vingerhoets J, Kamphuis T, Scheper G, Ruiz-Guinazu J, Faust SN, Spinner CD, Schuitemaker H, Van Hoof J, Douoguih M, Struyf F; ENSEMBLE2 study group. Efficacy, safety, and immunogenicity of a booster regimen of Ad26.COV2.S vaccine against COVID-19 (ENSEMBLE2): results of a randomised, double-blind, placebo-controlled, phase 3 trial. *Lancet Infect Dis.* 2022 Sep 13:S1473-3099(22)00506-0. doi: 10.1016/S1473-3099(22)00506-0. Online ahead of print. PMID: 36113538

Lazarus R, Taucher C, Brown C, Corbic Ramljak I, Danon L, Dubischar K, Duncan CJA, Eder-Lingelbach S, Faust SN, Green C, Gokani K, Hochreiter R, Wright JK, Kwon D, Middleditch A, Munro APS, Naker K, Penciu F, Price D, Querton B, Riaz T, Ross-Russell A, Sanchez-Gonzalez A, Wardle H, Warren S, Finn A; Valneva Phase 1 Trial Group. Safety and immunogenicity of the inactivated whole-virus adjuvanted COVID-19 vaccine VLA2001: A randomized, dose escalation, double-blind phase 1/2 clinical trial in healthy adults. *J Infect.* 2022 Sep;85(3):306-317. doi: 10.1016/j.jinf.2022.06.009. Epub 2022 Jun 16. PMID: 35718205

Cleary DW, Jones J, Gladstone RA, Osman KL, Devine VT, Jefferies JM, Bentley SD, Faust SN, Clarke SC. Changes in serotype prevalence of *Streptococcus pneumoniae* in Southampton, UK between 2006 and 2018. *Sci Rep.* 2022 Aug 3;12(1):13332. doi: 10.1038/s41598-022-17600-6. PMID: 35922536

Munro APS, Feng S, Janani L, Cornelius V, Aley PK, Babbage G, Baxter D, Bula M, Cathie K, Chatterjee K, Dodd K, Enever Y, Qureshi E, Goodman AL, Green CA, Harndahl L, Haughney J,

Hicks A, van der Klaauw AA, Kanji N, Libri V, Llewelyn MJ, McGregor AC, Maallah M, Minassian AM, Moore P, Mughal M, Mujadidi YF, Holliday K, Osanlou O, Osanlou R, Owens DR, Pacurar M, Palfreeman A, Pan D, Rampling T, Regan K, Saich S, Bawa T, Saralaya D, Sharma S, Sheridan R, Thomson EC, Todd S, Twelves C, Read RC, Charlton S, Hallis B, Ramsay M, Andrews N, Lambe T, Nguyen-Van-Tam JS, Snape MD, Liu X, Faust SN; COV-BOOST study group. Safety, immunogenicity, and reactogenicity of BNT162b2 and mRNA-1273 COVID-19 vaccines given as fourth-dose boosters following two doses of ChAdOx1 nCoV-19 or BNT162b2 and a third dose of BNT162b2 (COV-BOOST): a multicentre, blinded, phase 2, randomised trial. *Lancet Infect Dis*. 2022 Aug;22(8):1131-1141. doi: 10.1016/S1473-3099(22)00271-7. Epub 2022 May 9. PMID: 35550261

RECOVERY Collaborative Group. Baricitinib in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial and updated meta-analysis. *Lancet*. 2022 Jul 30;400(10349):359-368. doi: 10.1016/S0140-6736(22)01109-6. PMID: 35908569

Ratcliffe H, Tiley KS, Andrews N, Amirthalingam G, Vichos I, Morey E, Douglas NL, Marinou S, Plested E, Aley P, Galiza EP, Faust SN, Hughes S, Murray CS, Roderick M, Shackley F, Oddie SJ, Lees T, Turner DPJ, Raman M, Owens S, Turner P, Cockerill H, Lopez Bernal J, Linley E, Borrow R, Brown K, Ramsay ME, Voysey M, Snape MD. Community seroprevalence of SARS-CoV-2 in children and adolescents in England, 2019-2021. *Arch Dis Child*. 2022 Jul 20:archdischild-2022-324375. doi: 10.1136/archdischild-2022-324375. Online ahead of print. PMID: 35858775

Carr JP, MacLennan JM, Plested E, Bratcher HB, Harrison OB, Aley PK, Bray JE, Camara S, Rodrigues CMC, Davis K, Bartolf A, Baxter D, Cameron JC, Cunningham R, Faust SN, Fidler K, Gowda R, Heath PT, Hughes S, Khajuria S, Orr D, Raman M, Smith A, Turner DP, Whittaker E, Williams CJ, Zipitis CS, Pollard AJ, Oliver J, Morales-Aza B, Lekshmi A, Clark SA, Borrow R, Christensen H, Trotter C, Finn A, Maiden MCJ, Snape MD; UKMenCar4 and 'Be on the TEAM' Study Collaborators. Impact of meningococcal ACWY conjugate vaccines on pharyngeal carriage in adolescents: evidence for herd protection from the UK MenACWY programme. *Clin Microbiol Infect*. 2022 Jul 12:S1198-743X(22)00368-8. doi: 10.1016/j.cmi.2022.07.004. Online ahead of print. PMID: 35840033

Lazarus R, Taucher C, Brown C, Corbic Ramljak I, Danon L, Dubischar K, Duncan CJA, Eder-Lingelbach S, Faust SN, Green C, Gokani K, Hochreiter R, Wright JK, Kwon D, Middleditch A, Munro APS, Naker K, Penciu F, Price D, Querton B, Riaz T, Ross-Russell A, Sanchez-Gonzalez A, Wardle H, Warren S, Finn A; Valneva Phase 1 Trial Group. Safety and immunogenicity of the inactivated whole-virus adjuvanted vaccine VLA2001: A randomized, dose escalation, double-blind phase 1/2 clinical trial in healthy adults. *J Infect*. 2022 Jun 16:S0163-4453(22)00361-9. doi: 10.1016/j.jinf.2022.06.009. Online ahead of print. PMID: 35718205

Li G, Cappuccini F, Marchevsky NG, Aley PK, Aley R, Anslow R, Bibi S, Cathie K, Clutterbuck E, Faust SN, Feng S, Heath PT, Kerridge S, Lelliott A, Mujadidi Y, Ng KF, Rhead S, Roberts H, Robinson H, Roderick MR, Singh N, Smith D, Snape MD, Song R, Tang K, Yao A, Liu X, Lambe T, Pollard AJ; COV006 study team. Safety and immunogenicity of the ChAdOx1 nCoV-19 (AZD1222) vaccine in children aged 6-17 years: a preliminary report of COV006, a phase 2 single-blind, randomised, controlled trial. *Lancet*. 2022 Jun 11;399(10342):2212-2225. doi: 10.1016/S0140-6736(22)00770-X. PMID: 35691324; PMCID: PMC9183219.

Shaw RH, Liu X, Stuart ASV, Greenland M, Aley PK, Andrews NJ, Cameron JC, Charlton S, Clutterbuck EA, Collins AM, Dejnirattisai W, Dinesh T, Faust SN, Ferreira DM, Finn A, Green CA, Hallis B, Heath PT, Hill H, Lambe T, Lazarus R, Libri V, Long F, Mujadidi YF, Plested EL, Morey ER, Provtsgaard-Morys S, Ramasamy MN, Ramsay M, Read RC, Robinson H, Sreaton GR, Singh N, Turner DPJ, Turner PJ, Vichos I, Walker LL, White R, Nguyen-Van-Tam JS, Snape MD; Com-COV Study Group. Effect of priming interval on reactogenicity, peak immunological response, and waning after homologous and heterologous COVID-19 vaccine schedules: exploratory analyses of Com-COV, a randomised control trial. *Lancet Respir Med*. 2022 Jun 8:S2213-2600(22)00163-1. doi: 10.1016/S2213-2600(22)00163-1. Epub ahead of print. PMID: 35690076

Liu X, Munro APS, Feng S, Janani L, Aley PK, Babbage G, Baxter D, Bula M, Cathie K, Chatterjee K, Dejnirattisai W, Dodd K, Enever Y, Qureshi E, Goodman AL, Green CA, Harndahl L, Haughney J, Hicks A, van der Klaauw AA, Kwok J, Libri V, Llewelyn MJ, McGregor AC, Minassian AM, Moore P, Mughal M, Mujadidi YF, Holliday K, Osanlou O, Osanlou R, Owens DR, Pacurar M, Palfreeman A, Pan D, Rampling T, Regan K, Saich S, Serafimova T, Saralaya D, Sreaton GR, Sharma S, Sheridan R, Sturdy A, Supasa P, Thomson EC, Todd S, Twelves C, Read RC, Charlton S, Hallis B, Ramsay M, Andrews N, Lambe T, Nguyen-Van-Tam JS, Cornelius V, Snape MD, Faust SN; COV-BOOST study group. Persistence of immunogenicity after seven COVID-19 vaccines given as third dose boosters following two doses of ChAdOx1 nCoV-19 or BNT162b2 in the UK: Three month analyses of the COV-BOOST trial. *J Infect*. 2022 Jun;84(6):795-813. doi: 10.1016/j.jinf.2022.04.018.

Epub 2022 Apr 9. PMID: 35405168; PMCID: PMC8993491.

Welzel T, Schobi N, Andre MC, Bailey DGN, Blanchard-Rohner G, Buettcher M, Grazioli S, Koehler H, Perez MH, Truck J, Vanoni F, Zimmermann P, Atkinson A, Sanchez C, Whittaker E, Faust SN, Bielicki JA, Schlapbach LJ; Swissped Recovery Trial. Multicenter Randomized Trial of Methylprednisolone vs. Intravenous Immunoglobulins to Treat the Pediatric Inflammatory Multisystem Syndrome- Temporally Associated With SARS-CoV-2 (PIMS-TS): Protocol of the Swissped RECOVERY Trial. *Front Pediatr.* 2022 May 20;10:905046. doi: 10.3389/fped.2022.905046. PMID: 35669398; PMCID: PMC9163685.

Lim SH, Stuart B, Joseph-Pietras D, Johnson M, Campbell N, Kelly A, Jeffrey D, Turaj AH, Rolfvondenbaumen K, Galloway C, Wynn T, Coleman AR, Ward B, Long K, Coleman H, Mundy C, Bates AT, Ayres D, Lown R, Falconer J, Brake O, Batchelor J, Willimott V, Bowzyk Al-Naeef A, Robinson L, O'Callaghan A, Collins GP, Menne T, Faust SN, Fox CP, Ahearne M, Johnson PWM, Davies AJ, Goldblatt D. Immune responses against SARS-CoV-2 variants after two and three doses of vaccine in B-cell malignancies: UK PROSECO study. *Nat Cancer.* 2022 May;3(5):552-564. doi: 10.1038/s43018-022-00364-3. Epub 2022 Mar 24. PMID: 35332334; PMCID: PMC9135622.

Swann OV, Pollock L, Holden KA, Munro APS, Bennett A, Williams TC, Turtle L, Fairfield CJ, Drake TM, Faust SN, Sinha IP, Roland D, Whittaker E, Ladhani SN, Nguyen-Van-Tam JS, Girvan M, Donohue C, Donegan C, Spencer RG, Hardwick HE, Openshaw PJM, Baillie JK, Harrison EM, Docherty AB, Semple MG; ISARIC4C Investigators. Comparison of UK paediatric SARS-CoV-2 admissions across the first and second pandemic waves. *Pediatr Res.* 2022 Apr 22. doi: 10.1038/s41390-022-02052-5. Epub ahead of print. PMID: 35449394.

RECOVERY Collaborative Group. Casirivimab and imdevimab in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. *Lancet.* 2022 Feb 12;399(10325):665-676. doi: 10.1016/S0140-6736(22)00163-5. PMID: 35151397; PMCID: PMC8830904.

Pollock KM, Cheeseman HM, Szubert AJ, Libri V, Boffito M, Owen D, Bern H, O'Hara J, McFarlane LR, Lemm NM, McKay PF, Rampling T, Yim YTN, Milinkovic A, Kingsley C, Cole T, Fagerbrink S, Aban M, Tanaka M, Mehdipour S, Robbins A, Budd W, Faust SN, Hassanin H, Cosgrove CA, Winston A, Fidler S, Dunn DT, McCormack S, Shattock RJ; COVAC1 study Group. Safety and immunogenicity of a self-amplifying RNA vaccine against COVID-19: COVAC1, a phase I, dose-ranging trial. *EClinicalMedicine.* 2022 Feb;44:101262. doi: 10.1016/j.eclinm.2021.101262. Epub 2022 Jan 14. PMID: 35043093; PMCID: PMC8759012.

Hodgson SH, Iveson P, Larwood J, Roche S, Morrison H, Cosgrove C, Galiza E, Ikram S, Lemm NM, Mehdipour S, Owens D, Pacurar M, Schumacher M, Shaw RH, Faust SN, Heath PT, Pollard AJ, Emary KRW, Pollock KM, Lazarus R. Incidental findings in UK healthy volunteers screened for a COVID-19 vaccine trial. *Clin Transl Sci.* 2022 Feb;15(2):524-534. doi: 10.1111/cts.13170. Epub 2021 Oct 20. PMID: 34670021; PMCID: PMC8652599.

Waldron CA, Thomas-Jones E, Bernatoniene J, Brookes-Howell L, Faust SN, Harris D, Hinds L, Hood K, Huang C, Mateus C, Pallmann P, Patel S, Paulus S, Peak M, Powell C, Preston J, Carrol ED. Biomarker-guided duration of Antibiotic Treatment in Children Hospitalised with confirmed or suspected bacterial infection (BATCH): protocol for a randomised controlled trial. *BMJ Open.* 2022 Jan 25;12(1):e047490. doi: 10.1136/bmjopen-2020-047490. PMID: 35078830; PMCID: PMC8796242.

Lister AP, Highmore CJ, Hanrahan N, Read J, Munro APS, Tan S, Allan RN, Faust SN, Webb JS, Mahajan S. Multi-Excitation Raman Spectroscopy for Label- Free, Strain-Level Characterization of Bacterial Pathogens in Artificial Sputum Media. *Anal Chem.* 2022 Jan 18;94(2):669-677. doi: 10.1021/acs.analchem.1c02501. Epub 2022 Jan 3. PMID: 34978813.

RECOVERY Collaborative Group. Aspirin in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. *Lancet.* 2022 Jan 8;399(10320):143-151. doi: 10.1016/S0140-6736(21)01825-0. Epub 2021 Nov 17. PMID: 34800427; PMCID: PMC8598213.

Stuart ASV, Shaw RH, Liu X, Greenland M, Aley PK, Andrews NJ, Cameron JC, Charlton S, Clutterbuck EA, Collins AM, Darton T, Dinesh T, Duncan CJA, England A, Faust SN, Ferreira DM, Finn A, Goodman AL, Green CA, Hallis B, Heath PT, Hill H, Horsington BM, Lambe T, Lazarus R, Libri V, Lillie PJ, Mujadidi YF, Payne R, Plested EL, Provstgaard-Morys S, Ramasamy MN, Ramsay M, Read RC, Robinson H, Sreaton GR, Singh N, Turner DPJ, Turner PJ, Vichos I, White R, Nguyen-Van-Tam JS, Snape MD; Com-COV2 Study Group. Immunogenicity, safety, and reactogenicity of heterologous COVID-19 primary vaccination incorporating mRNA, viral-vector, and protein-adjuvant vaccines in the UK (Com-COV2): a single-blind, randomised, phase 2, non-inferiority trial. *Lancet.* 2022 Jan 1;399(10319):36-49. doi: 10.1016/S0140-6736(21)02718-5. Epub 2021 Dec 6. Erratum in: *Lancet.* 2022 Feb 26;399(10327):802. PMID: 34883053; PMCID:

PMC8648333.

Chappell H, Patel R, Driessens C, Tarr AW, Irving WL, Tighe PJ, Jackson HJ, Harvey-Cowlishaw T, Mills L, Shaunak M, Gbesemete D, Leahy A, Lucas JS, Faust SN, de Graaf H. Immunocompromised children and young people are at no increased risk of severe COVID-19. *J Infect.* 2022 Jan;84(1):31-39. doi: 10.1016/j.jinf.2021.11.005. Epub 2021 Nov 14. PMID: 34785268; PMCID: PMC8590622.

Ramasamy MN, Minassian AM, Ewer KJ, Flaxman AL, Folegatti PM, Owens DR, Voysey M, Aley PK, Angus B, Babbage G, Belij-Rammerstorfer S, Berry L, Bibi S, Bittaye M, Cathie K, Chappell H, Charlton S, Cicconi P, Clutterbuck EA, Colin-Jones R, Dold C, Emary KRW, Fedosyuk S, Fuskova M, Gbesemete D, Green C, Hallis B, Hou MM, Jenkin D, Joe CCD, Kelly EJ, Kerridge S, Lawrie AM, Lelliott A, Lwin MN, Makinson R, Marchevsky NG, Mujadidi Y, Munro APS, Pacurar M, Plested E, Rand J, Rawlinson T, Rhead S, Robinson H, Ritchie AJ, Ross-Russell AL, Saich S, Singh N, Smith CC, Snape MD, Song R, Tarrant R, Themistocleous Y, Thomas KM, Villafana TL, Warren SC, Watson MEE, Douglas AD, Hill AVS, Lambe T, Gilbert SC, Faust SN, Pollard AJ; Oxford COVID Vaccine Trial Group. Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial. *Lancet.* 2021 Dec 19;396(10267):1979-1993. doi: 10.1016/S0140-6736(20)32466-1. Epub 2020 Nov 19. Erratum in: *Lancet.* 2021 Dec 19;396(10267):1978. Erratum in: *Lancet.* 2021 Apr 10;397(10282):1350. PMID: 33220855

Munro APS, Janani L, Cornelius V, Aley PK, Babbage G, Baxter D, Bula M, Cathie K, Chatterjee K, Dodd K, Enever Y, Gokani K, Goodman AL, Green CA, Harndahl L, Haughney J, Hicks A, van der Klaauw AA, Kwok J, Lambe T, Libri V, Llewelyn MJ, McGregor AC, Minassian AM, Moore P, Mughal M, Mujadidi YF, Murira J, Osanlou O, Osanlou R, Owens DR, Pacurar M, Palfreeman A, Pan D, Rampling T, Regan K, Saich S, Salkeld J, Saralaya D, Sharma S, Sheridan R, Sturdy A, Thomson EC, Todd S, Twelves C, Read RC, Charlton S, Hallis B, Ramsay M, Andrews N, Nguyen-Van-Tam JS, Snape MD, Liu X, Faust SN; COV-BOOST study group. Safety and immunogenicity of seven COVID-19 vaccines as a third dose (booster) following two doses of ChAdOx1 nCov-19 or BNT162b2 in the UK (COV-BOOST): a blinded, multicentre, randomised, controlled, phase 2 trial. *Lancet.* 2021 Dec 18;398(10318):2258-2276. doi: 10.1016/S0140-6736(21)02717-3. Epub 2021 Dec 2. Erratum in: *Lancet.* 2021 Dec 18;398(10318):2246. PMID: 34863358; PMCID: PMC8639161.

Iro MA, Jones CE, Faust SN, Wilson IDC, Baxter SJ, Pemberton M, Richens T, Patel SV. Mycotic aneurysm presenting as hip pain and severe anaemia. *Arch Dis Child.* 2021 Dec;106(12):1211. doi: 10.1136/archdischild-2021-321632. Epub 2021 Apr 14. PMID: 33853765.

Swanson PA 2nd, Padilla M, Hoyland W, McGlinchey K, Fields PA, Bibi S, Faust SN, McDermott AB, Lambe T, Pollard AJ, Durham NM, Kelly EJ; AstraZeneca/Oxford/VRC Study Group. AZD1222/ChAdOx1 nCoV-19 vaccination induces a polyfunctional spike protein-specific TH1 response with a diverse TCR repertoire. *Sci Transl Med.* 2021 Nov 17;13(620):eabj7211. doi: 10.1126/scitranslmed.abj7211. Epub 2021 Nov 17. PMID: 34591596.

Bielicki JA, Stohr W, Barratt S, Dunn D, Naufal N, Roland D, Sturgeon K, Finn A, Rodriguez-Ruiz JP, Malhotra-Kumar S, Powell C, Faust SN, Alcock AE, Hall D, Robinson G, Hawcutt DB, Lyttle MD, Gibb DM, Sharland M; PERUKI, GAPRUKI, and the CAP-IT Trial Group. Effect of Amoxicillin Dose and Treatment Duration on the Need for Antibiotic Re-treatment in Children With Community-Acquired Pneumonia: The CAP-IT Randomized Clinical Trial. *JAMA.* 2021 Nov 2;326(17):1713-1724. doi: 10.1001/jama.2021.17843. Erratum in: *JAMA.* 2021 Dec 7;326(21):2208. PMID: 34726708; PMCID: PMC8564579.

Barratt S, Bielicki JA, Dunn D, Faust SN, Finn A, Harper L, Jackson P, Lyttle MD, Powell CV, Rogers L, Roland D, Stohr W, Sturgeon K, Vitale E, Wan M, Gibb DM, Sharland M. Amoxicillin duration and dose for community-acquired pneumonia in children: the CAP-IT factorial non-inferiority RCT. *Health Technol Assess.* 2021 Nov;25(60):1-72. doi: 10.3310/hta25600. PMID: 34738518.

Rowe DJ, Owens DR, Parker SL, Faust SN, Wilkinson JS, Mashanovich GZ. The Effect of Haematocrit on Measurement of the Mid-Infrared Refractive Index of Plasma in Whole Blood. *Biosensors (Basel).* 2021 Oct 25;11(11):417. doi: 10.3390/bios11110417. PMID: 34821633; PMCID: PMC8616018.

Navarro Alonso JA, Bont LJ, Bozzola E, Herting E, Lega F, Mader S, Nunes MC, Ramilo O, Valiotis G, Olivier CW, Yates A, Faust SN. RSV: perspectives to strengthen the need for protection in all infants. *Emerg Themes Epidemiol.* 2021 Oct 21;18(1):15. doi: 10.1186/s12982-021-00104-5. PMID: 34674730; PMCID: PMC8529565.

Little P, Francis NA, Stuart B, O'Reilly G, Thompson N, Becque T, Hay AD, Wang K, Sharland M, Harnden A, Yao G, Raftery J, Zhu S, Little J, Hookham C, Rowley K, Euden J, Harman K, Coenen S, Read RC, Woods C, Butler CC, Faust SN, Leydon G, Wan M, Hood K, Whitehurst J, Richards-Hall S, Smith P, Thomas M, Moore M, Verheij T. Antibiotics for lower respiratory tract

infection in children presenting in primary care in England (ARTIC PC): a double-blind, randomised, placebo-controlled trial. *Lancet*. 2021 Oct 16;398(10309):1417-1426. doi: 10.1016/S0140-6736(21)01431-8. Epub 2021 Sep 22. PMID: 34562391; PMCID: PMC8542731.

Munro A, Prieto J, Mentzakis E, Dibas M, Mahobia N, Baker P, Herbert S, Smith T, Hine M, Hall J, McClarren A, Davidson M, Brooks J, Fisher J, Griffiths D, Morgan H, Giulietti C, Faust SN, Elkington P. Powered Respirators Are Effective, Sustainable, and Cost-Effective Personal Protective Equipment for SARS-CoV-2. *Front Med Technol*. 2021 Oct 14;3:729658. doi: 10.3389/fmedt.2021.729658. PMID: 35047956; PMCID: PMC8757687.

Vesikari T, Finn A, van Damme P, Leroux-Roels I, Leroux-Roels G, Segall N, Toma A, Vallieres G, Aronson R, Reich D, Arora S, Ruane PJ, Cone CL, Manns M, Cosgrove C, Faust SN, Ramasamy MN, Machluf N, Spaans JN, Yassin-Rajkumar B, Anderson D, Popovic V, Diaz-Mitoma F; CONSTANT Study Group. Immunogenicity and Safety of a 3-Antigen Hepatitis B Vaccine vs a Single-Antigen Hepatitis B Vaccine: A Phase 3 Randomized Clinical Trial. *JAMA Netw Open*. 2021 Oct 1;4(10):e2128652. doi: 10.1001/jamanetworkopen.2021.28652. PMID: 34636914; PMCID: PMC8511978.

Liu X, Shaw RH, Stuart ASV, Greenland M, Aley PK, Andrews NJ, Cameron JC, Charlton S, Clutterbuck EA, Collins AM, Dinesh T, England A, Faust SN, Ferreira DM, Finn A, Green CA, Hallis B, Heath PT, Hill H, Lambe T, Lazarus R, Libri V, Long F, Mujadidi YF, Plested EL, Provstgaard-Morys S, Ramasamy MN, Ramsay M, Read RC, Robinson H, Singh N, Turner DPJ, Turner PJ, Walker LL, White R, Nguyen-Van-Tam JS, Snape MD; Com-COV Study Group. Safety and immunogenicity of heterologous versus homologous prime-boost schedules with an adenoviral vectored and mRNA COVID-19 vaccine (Com-COV): a single-blind, randomised, non-inferiority trial. *Lancet*. 2021 Sep 4;398(10303):856-869. doi: 10.1016/S0140-6736(21)01694-9. Epub 2021 Aug 6. PMID: 34370971; PMCID: PMC8346248.

Mason A, Anver H, Lwin M, Holroyd C, Faust SN, Edwards CJ. Lupus, vaccinations and COVID-19: What we know now. *Lupus*. 2021 Sep;30(10):1541-1552. doi: 10.1177/09612033211024355. Epub 2021 Jun 17. PMID: 34134555.

Fleming PF, Gale C, Molloy EJ, Faust SN, Costeloe K, Juszcak E, Roehr CC. Paediatric research in the times of COVID-19. *Pediatr Res*. 2021 Aug;90(2):267-271. doi: 10.1038/s41390-021-01479-6. Epub 2021 Apr 20. PMID: 33879846; PMCID: PMC8056789.

de Graaf H, Payne RO, Taylor I, Miura K, Long CA, Elias SC, Zaric M, Minassian AM, Silk SE, Li L, Poulton ID, Baker M, Draper SJ, Gbesemete D, Brendish NJ, Martins F, Marini A, Mekhaieel D, Edwards NJ, Roberts R, Vekemans J, Moyle S, Faust SN, Berrie E, Lawrie AM, Hill F, Hill AVS, Biswas S. Safety and Immunogenicity of ChAd63/MVA Pfs25-IMX313 in a Phase I First-in-Human Trial. *Front Immunol*. 2021 Jul 14;12:694759. doi: 10.3389/fimmu.2021.694759. PMID: 34335606; PMCID: PMC8318801.

Swanson PA, Padilla M, Hoyland W, McGlinchey K, Fields PA, Bibi S, Faust SN, McDermott AB, Lambe T, Pollard AJ, Durham NM, Kelly EJ. T-cell mediated immunity after AZD1222 vaccination: A polyfunctional spike-specific Th1 response with a diverse TCR repertoire. *medRxiv [Preprint]*. 2021 Jul 13:2021.06.17.21259027. doi: 10.1101/2021.06.17.21259027. Update in: *Sci Transl Med*. 2021 Nov 17;13(620):eabj7211. PMID: 34189538; PMCID: PMC8240693.

Laver JR, Gbesemete D, Dale AP, Pounce ZC, Webb CN, Roche EF, Guy JM, Berreen G, Belogiannis K, Hill AR, Ibrahim MM, Ahmed M, Cleary DW, Pandey AK, Humphries HE, Allen L, de Graaf H, Maiden MC, Faust SN, Gorringer AR, Read RC. A recombinant commensal bacteria elicits heterologous antigen-specific immune responses during pharyngeal carriage. *Sci Transl Med*. 2021 Jul 7;13(601):eabe8573. doi: 10.1126/scitranslmed.abe8573. PMID: 34233953.

Minassian AM, Silk SE, Barrett JR, Nielsen CM, Miura K, Diouf A, Loos C, Fallon JK, Michell AR, White MT, Edwards NJ, Poulton ID, Mitton CH, Payne RO, Marks M, Maxwell-Scott H, Querol-Rubiera A, Bisnauthsing K, Batra R, Ogrina T, Brendish NJ, Themistocleous Y, Rawlinson TA, Ellis KJ, Quinkert D, Baker M, Lopez Ramon R, Ramos Lopez F, Barfod L, Folegatti PM, Silman D, Dato M, Taylor IJ, Jin J, Pulido D, Douglas AD, de Jongh WA, Smith R, Berrie E, Noe AR, Diggs CL, Soisson LA, Ashfield R, Faust SN, Goodman AL, Lawrie AM, Nugent FL, Alter G, Long CA, Draper SJ. Reduced blood-stage malaria growth and immune correlates in humans following RH5 vaccination. *Med (N Y)*. 2021 Jun 11;2(6):701-719.e19. doi: 10.1016/j.medj.2021.03.014. PMID: 34223402; PMCID: PMC8240500.

RECOVERY Collaborative Group. Convalescent plasma in patients admitted to hospital with COVID-19 (RECOVERY): a randomised controlled, open-label, platform trial. *Lancet*. 2021 May 29;397(10289):2049-2059. doi: 10.1016/S0140-6736(21)00897-7. Epub 2021 May 14. PMID: 34000257; PMCID: PMC8121538.

Cleary DW, Devine VT, Morris DE, Osman KL, Gladstone RA, Bentley SD, Faust SN, Clarke SC. Corrigendum: Pneumococcal vaccine impacts on the population genomics of non-typeable

Haemophilus influenzae. *Microb Genom.* 2021 May;7(5):000559. doi: 10.1099/mgen.0.000559. Erratum for: *Microb Genom.* 2018 Sep;4(9): PMID: 33945458; PMCID: PMC8209729.

RECOVERY Collaborative Group. Tocilizumab in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. *Lancet.* 2021 May 1;397(10285):1637-1645. doi: 10.1016/S0140-6736(21)00676-0. PMID: 33933206; PMCID: PMC8084355.

Emery KRW, Golubchik T, Aley PK, Ariani CV, Angus B, Bibi S, Blane B, Bonsall D, Cicconi P, Charlton S, Clutterbuck EA, Collins AM, Cox T, Darton TC, Dold C, Douglas AD, Duncan CJA, Ewer KJ, Flaxman AL, Faust SN, Ferreira DM, Feng S, Finn A, Folegatti PM, Fuskova M, Galiza E, Goodman AL, Green CM, Green CA, Greenland M, Hallis B, Heath PT, Hay J, Hill HC, Jenkin D, Kerridge S, Lazarus R, Libri V, Lillie PJ, Ludden C, Marchevsky NG, Minassian AM, McGregor AC, Mujadidi YF, Phillips DJ, Plested E, Pollock KM, Robinson H, Smith A, Song R, Snape MD, Sutherland RK, Thomson EC, Toshner M, Turner DPJ, Vekemans J, Villafana TL, Williams CJ, Hill AVS, Lambe T, Gilbert SC, Voysey M, Ramasamy MN, Pollard AJ; COVID-19 Genomics UK consortium; AMPHEUS Project; Oxford COVID-19 Vaccine Trial Group. Efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine against SARS-CoV-2 variant of concern 202012/01 (B.1.1.7): an exploratory analysis of a randomised controlled trial. *Lancet.* 2021 Apr 10;397(10282):1351-1362. doi: 10.1016/S0140-6736(21)00628-0. Epub 2021 Mar 30. PMID: 33798499; PMCID: PMC8009612.

Shaunak M, Patel R, Driessens C, Mills L, Leahy A, Gbesemete D, Owens DR, Lucas JS, Faust SN, de Graaf H; ImmunoCOVID19 study group. COVID-19 symptom surveillance in immunocompromised children and young people in the UK: a prospective observational cohort study. *BMJ Open.* 2021 Mar 17;11(3):e044899. doi: 10.1136/bmjopen-2020-044899. PMID: 33737439; PMCID: PMC7977081.

Voysey M, Costa Clemens SA, Madhi SA, Weckx LY, Folegatti PM, Aley PK, Angus B, Baillie VL, Barnabas SL, Borat QE, Bibi S, Briner C, Cicconi P, Clutterbuck EA, Collins AM, Cutland CL, Darton TC, Dheda K, Dold C, Duncan CJA, Emary KRW, Ewer KJ, Flaxman A, Fairlie L, Faust SN, Feng S, Ferreira DM, Finn A, Galiza E, Goodman AL, Green CM, Green CA, Greenland M, Hill C, Hill HC, Hirsch I, Izu A, Jenkin D, Joe CCD, Kerridge S, Koen A, Kwatra G, Lazarus R, Libri V, Lillie PJ, Marchevsky NG, Marshall RP, Mendes AVA, Milan EP, Minassian AM, McGregor A, Mujadidi YF, Nana A, Padayachee SD, Phillips DJ, Pittella A, Plested E, Pollock KM, Ramasamy MN, Ritchie AJ, Robinson H, Schwarzbald AV, Smith A, Song R, Snape MD, Sprinz E, Sutherland RK, Thomson EC, Torok ME, Toshner M, Turner DPJ, Vekemans J, Villafana TL, White T, Williams CJ, Douglas AD, Hill AVS, Lambe T, Gilbert SC, Pollard AJ; Oxford COVID Vaccine Trial Group. Single-dose administration and the influence of the timing of the booster dose on immunogenicity and efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine: a pooled analysis of four randomised trials. *Lancet.* 2021 Mar 6;397(10277):881-891. doi: 10.1016/S0140-6736(21)00432-3. Epub 2021 Feb 19. Erratum in: *Lancet.* 2021 Mar 6;397(10277):880. PMID: 33617777; PMCID: PMC7894131.

RECOVERY Collaborative Group, Horby P, Lim WS, Emberson JR, Mafham M, Bell JL, Linsell L, Staplin N, Brightling C, Ustianowski A, Elmahi E, Prudon B, Green C, Felton T, Chadwick D, Rege K, Fegan C, Chappell LC, Faust SN, Jaki T, Jeffery K, Montgomery A, Rowan K, Juszczak E, Baillie JK, Haynes R, Landray MJ. Dexamethasone in Hospitalized Patients with Covid-19. *N Engl J Med.* 2021 Feb 25;384(8):693-704. doi: 10.1056/NEJMoa2021436. Epub 2020 Jul 17. PMID: 32678530; PMCID: PMC7383595.

RECOVERY Collaborative Group. Azithromycin in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. *Lancet.* 2021 Feb 13;397(10274):605-612. doi: 10.1016/S0140-6736(21)00149-5. Epub 2021 Feb 2. PMID: 33545096; PMCID: PMC7884931.

Patel S, Green H, Gray J, Rutter M, Bevan A, Hand K, Jones CE, Faust SN. Evaluating Ceftriaxone 80 mg/kg Administration by Rapid Intravenous Infusion-A Clinical Service Evaluation. *Pediatr Infect Dis J.* 2021 Feb 1;40(2):128-129. doi: 10.1097/INF.0000000000002923. PMID: 33165272.

Harwood R, Allin B, Jones CE, Whittaker E, Ramnarayan P, Ramanan AV, Kaleem M, Tulloh R, Peters MJ, Almond S, Davis PJ, Levin M, Tometzki A, Faust SN, Knight M, Kenny S; PIMS-TS National Consensus Management Study Group. A national consensus management pathway for paediatric inflammatory multisystem syndrome temporally associated with COVID-19 (PIMS-TS): results of a national Delphi process. *Lancet Child Adolesc Health.* 2021 Feb;5(2):133-141. doi: 10.1016/S2352-4642(20)30304-7. Epub 2020 Sep 18. Erratum in: *Lancet Child Adolesc Health.* 2021 Feb;5(2):e5. PMID: 32956615; PMCID: PMC7500943.

Burke H, Freeman A, Dushianthan A, Celinski M, Batchelor J, Phan H, Borca F, Kipps C, Thomas GJ, Faust SN, Sheard N, Williams S, Fitzpatrick P, Landers D, Wilkinson T. Research Evaluation Alongside Clinical Treatment in COVID-19 (REACT COVID-19): an observational and biobanking study. *BMJ Open.* 2021 Jan 22;11(1):e043012. doi: 10.1136/bmjopen-2020-043012. PMID:

33483446; PMID: PMC7830323.

Voysey M, Clemens SAC, Madhi SA, Weckx LY, Folegatti PM, Aley PK, Angus B, Baillie VL, Barnabas SL, Borat QE, Bibi S, Briner C, Cicconi P, Collins AM, Colin-Jones R, Cutland CL, Darton TC, Dheda K, Duncan CJA, Emary KRW, Ewer KJ, Fairlie L, Faust SN, Feng S, Ferreira DM, Finn A, Goodman AL, Green CM, Green CA, Heath PT, Hill C, Hill H, Hirsch I, Hodgson SHC, Izu A, Jackson S, Jenkin D, Joe CCD, Kerridge S, Koen A, Kwatra G, Lazarus R, Lawrie AM, Lelliott A, Libri V, Lillie PJ, Mallory R, Mendes AVA, Milan EP, Minassian AM, McGregor A, Morrison H, Mujadidi YF, Nana A, O'Reilly PJ, Padayachee SD, Pittella A, Plested E, Pollock KM, Ramasamy MN, Rhead S, Schwarzbald AV, Singh N, Smith A, Song R, Snape MD, Sprinz E, Sutherland RK, Tarrant R, Thomson EC, Torok ME, Toshner M, Turner DPJ, Vekemans J, Villafana TL, Watson MEE, Williams CJ, Douglas AD, Hill AVS, Lambe T, Gilbert SC, Pollard AJ; Oxford COVID Vaccine Trial Group. Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. *Lancet*. 2021 Jan 9;397(10269):99-111. doi: 10.1016/S0140-6736(20)32661-1. Epub 2020 Dec 8. Erratum in: *Lancet*. 2021 Jan 9;397(10269):98. PMID: 33306989; PMID: PMC7723445.

RECOVERY Collaborative Group, Horby P, Mafham M, Linsell L, Bell JL, Staplin N, Emberson JR, Wiselka M, Ustianowski A, Elmahi E, Prudon B, Whitehouse T, Felton T, Williams J, Faccenda J, Underwood J, Baillie JK, Chappell LC, Faust SN, Jaki T, Jeffery K, Lim WS, Montgomery A, Rowan K, Tarning J, Watson JA, White NJ, Juszczak E, Haynes R, Landray MJ. Effect of Hydroxychloroquine in Hospitalized Patients with Covid-19. *N Engl J Med*. 2020 Nov 19;383(21):2030-2040. doi: 10.1056/NEJMoa2022926. Epub 2020 Oct 8. PMID: 33031652; PMID: PMC7556338.

RECOVERY Collaborative Group. Lopinavir-ritonavir in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. *Lancet*. 2020 Oct 24;396(10259):1345-1352. doi: 10.1016/S0140-6736(20)32013-4. Epub 2020 Oct 5. PMID: 33031764; PMID: PMC7535623.

Carr J, Plested E, Aley P, Camara S, Davis K, MacLennan JM, Gray S, Faust SN, Borrow R, Christensen H, Trotter C, Maiden MCJ, Finn A, Snape MD; 'Be on the TEAM' investigators. 'Be on the TEAM' Study (Teenagers Against Meningitis): protocol for a controlled clinical trial evaluating the impact of 4CMenB or MenB-fHbp vaccination on the pharyngeal carriage of meningococci in adolescents. *BMJ Open*. 2020 Oct 22;10(10):e037358. doi: 10.1136/bmjopen-2020-037358. PMID: 33093030; PMID: PMC7583083.

Bate J, Borrow R, Chisholm J, Clarke SC, Dixon E, Faust SN, Galanopoulou A, Goldblatt D, Heath PT, Maishman T, Mapstone S, Patel SR, Williams AP, Gray JC. Thirteen-Valent Pneumococcal Conjugate Vaccine in Children With Acute Lymphoblastic Leukemia: Protective Immunity Can Be Achieved on Completion of Treatment. *Clin Infect Dis*. 2020 Aug 22;71(5):1271-1280. doi: 10.1093/cid/ciz965. PMID: 31586206.

Folegatti PM, Ewer KJ, Aley PK, Angus B, Becker S, Belij-Rammerstorfer S, Bellamy D, Bibi S, Bittaye M, Clutterbuck EA, Dold C, Faust SN, Finn A, Flaxman AL, Hallis B, Heath P, Jenkin D, Lazarus R, Makinson R, Minassian AM, Pollock KM, Ramasamy M, Robinson H, Snape M, Tarrant R, Voysey M, Green C, Douglas AD, Hill AVS, Lambe T, Gilbert SC, Pollard AJ; Oxford COVID Vaccine Trial Group. Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial. *Lancet*. 2020 Aug 15;396(10249):467-478. doi: 10.1016/S0140-6736(20)31604-4. Epub 2020 Jul 20. Erratum in: *Lancet*. 2020 Aug 15;396(10249):466. Erratum in: *Lancet*. 2020 Dec 12;396(10266):1884. PMID: 32702298; PMID: PMC7445431.

Oliver JL, Sadorge C, Boissard F, Snape MD, Tomlinson R, Mann R, Rudd P, Bhakthavalsala S, Faust SN, Heath PT, Hughes SM, Borrow R, Thomas S, Finn A. Randomized clinical trial of DTaP5-HB-IPV-Hib vaccine administered concomitantly with meningococcal serogroup C conjugate vaccines during the primary infant series. *Vaccine*. 2020 Jul 31;38(35):5718-5725. doi: 10.1016/j.vaccine.2020.06.015. Epub 2020 Jul 10. PMID: 32654902.

de Graaf H, Ibrahim M, Hill AR, Gbesemete D, Vaughan AT, Gorringer A, Preston A, Buisman AM, Faust SN, Kester KE, Berbers GAM, Diavatopoulos DA, Read RC. Controlled Human Infection With *Bordetella pertussis* Induces Asymptomatic, Immunizing Colonization. *Clin Infect Dis*. 2020 Jul 11;71(2):403-411. doi: 10.1093/cid/ciz840. PMID: 31562530; PMID: PMC7353841.

Rineh A, Soren O, McEwan T, Ravikumar V, Poh WH, Azamifar F, Naimi-Jamal MR, Cheung CY, Elliott AG, Zuegg J, Blaskovich MAT, Cooper MA, Dolange V, Christodoulides M, Cook GM, Rice SA, Faust SN, Webb JS, Kelso MJ. Discovery of Cephalosporin-3'-Diazeniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against *Pseudomonas aeruginosa* Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. *ACS Infect Dis*. 2020 Jun 12;6(6):1460-1479. doi: 10.1021/acsinfecdis.0c00070. Epub 2020 May 5. PMID: 32329596.

Munro APS, Dorey RB, Owens DR, Steed DJ, Petridou C, Herdman T, Jones CE, Patel SV, Pryde K, Faust SN. High frequency of paediatric facial nerve palsy due to Lyme disease in a geographically endemic region. *Int J Pediatr Otorhinolaryngol.* 2020 May;132:109905. doi: 10.1016/j.ijporl.2020.109905. Epub 2020 Jan 25. PMID: 32035348.

Tanner E, Munro APS, Gray J, Green H, Rutter M, Jones CE, Faust SN, Alderton M, Patel SV. Improving paediatric antimicrobial stewardship in hospital-based settings: why, where and how? *JAC Antimicrob Resist.* 2020 Mar 13;2(1):dlaa011. doi: 10.1093/jacamr/dlaa011. PMID: 34222969; PMCID: PMC8210213.

Dbaibo G, Amanullah A, Claeys C, Izu A, Jain VK, Kosalaraksa P, Rivera L, Soni J, Gianni E, Zaman K, Acosta B, Ariza M, Arroba Basanta ML, Bavdekar A, Carmona A, Cousin L, Danier J, Diaz A, Diez-Domingo J, Dinleyici EC, Faust SN, Garcia-Sicilia J, Gomez-Go GD, Gonzales MLA, Hacimustafaoglu M, Hughes SM, Jackowska T, Kant S, Lucero M, Mares Bermudez J, Martinon-Torres F, Montellano M, Prymula R, Puthanakit T, Ruzkova R, Sadowska-Krawczenko I, Szymanski H, Ulied A, Woo W, Schuind A, Innis BL; Flu4VEC Study Group. Quadrivalent Influenza Vaccine Prevents Illness and Reduces Healthcare Utilization Across Diverse Geographic Regions During Five Influenza Seasons: A Randomized Clinical Trial. *Pediatr Infect Dis J.* 2020 Jan;39(1):e1-e10. doi: 10.1097/INF.0000000000002504. PMID: 31725115; PMCID: PMC7004464.

Soren O, Rineh A, Silva DG, Cai Y, Howlin RP, Allan RN, Feelisch M, Davies JC, Connett GJ, Faust SN, Kelso MJ, Webb JS. Cephalosporin nitric oxide-donor prodrug DEA-C3D disperses biofilms formed by clinical cystic fibrosis isolates of *Pseudomonas aeruginosa*. *J Antimicrob Chemother.* 2020 Jan 1;75(1):117-125. doi: 10.1093/jac/dkz378. PMID: 31682251; PMCID: PMC6910178.

Kerkhofs C, Stevens SJC, Faust SN, Rae W, Williams AP, Wurm P, Ostern R, Fockens P, Wurfel C, Laass M, Kokke F, Stegmann APA, Brunner HG. Mutations in RPSA and NKX2-3 link development of the spleen and intestinal vasculature. *Hum Mutat.* 2020 Jan;41(1):196-202. doi: 10.1002/humu.23909. Epub 2019 Sep 23. PMID: 31498527; PMCID: PMC6972609.

Danier J, Rivera L, Claeys C, Dbaibo G, Jain VK, Kosalaraksa P, Woo W, Gianni E, Zaman K, Acosta B, Amanullah A, Ariza M, Luisa Arroba Basanta M, Bavdekar A, Carmona A, Cousin L, Diaz A, Diez-Domingo J, Cagri Dinleyici E, Faust SN, Garcia-Sicilia J, Gomez-Go GD, Antoniette Gonzales L, Hacimustafaoglu M, Hughes SM, Izu A, Jackowska T, Kant S, Lucero M, Mares Bermudez J, Martinon-Torres F, Montellano M, Prymula R, Puthanakit T, Ruzkova R, Sadowska-Krawczenko I, Soni J, Szymanski H, Ulied A, Schuind A, Innis BL; Flu4VEC Study Group. Clinical Presentation of Influenza in Children 6 to 35 Months of Age: Findings From a Randomized Clinical Trial of Inactivated Quadrivalent Influenza Vaccine. *Pediatr Infect Dis J.* 2019 Aug;38(8):866-872. doi: 10.1097/INF.0000000000002387. PMID: 31306399.

Lyttle MD, Bielicki JA, Barratt S, Dunn D, Finn A, Harper L, Jackson P, Powell CVE, Roland D, Stohr W, Sturgeon K, Wan M, Little P, Faust SN, Robotham J, Hay AD, Gibb DM, Sharland M; PERUKI, GAPRUKI and the CAP-IT trial team. Efficacy, safety and impact on antimicrobial resistance of duration and dose of amoxicillin treatment for young children with Community-Acquired Pneumonia: a protocol for a randomised controlled Trial (CAP-IT). *BMJ Open.* 2019 May 22;9(5):e029875. doi: 10.1136/bmjopen-2019-029875. PMID: 31123008; PMCID: PMC6538022.

Faust SN, Le Roy M, Pancharoen C, Weber MAR, Cathie K, Behre U, Bernatoniene J, Snape MD, Helm K, Medina Pech CE, Henry O, Baccarini C, Povey M, Gillard P. Safety and immunogenicity of a varicella vaccine without human serum albumin (HSA) versus a HSA-containing formulation administered in the second year of life: a phase III, double-blind, randomized study. *BMC Pediatr.* 2019 Feb 7;19(1):50. doi: 10.1186/s12887-019-1425-7. PMID: 30732648; PMCID: PMC6366055.

Claeys C, Chandrasekaran V, Garcia-Sicilia J, Prymula R, Diez-Domingo J, Brzostek J, Mares-Bermudez J, Martinon-Torres F, Pollard AJ, Ruzkova R, Carmona Martinez A, Ulied A, Miranda Valdivieso M, Faust SN, Snape MD, Friel D, Ollinger T, Soni J, Schuind A, Li P, Innis BL, Jain VK. Anamnestic Immune Response and Safety of an Inactivated Quadrivalent Influenza Vaccine in Primed Versus Vaccine-Naive Children. *Pediatr Infect Dis J.* 2019 Feb;38(2):203-210. doi: 10.1097/INF.0000000000002217. PMID: 30325891; PMCID: PMC6344072.

Patel S, Burzio V, Green H, Rees S, Tebruegge M, Jones C, Faust SN. The Impact of Pediatric Outpatient Parenteral Antibiotic Therapy Implementation at a Tertiary Children's Hospital in the United Kingdom. *Pediatr Infect Dis J.* 2018 Dec;37(12):e292-e297. doi: 10.1097/INF.0000000000002031. PMID: 29613971.

Ramplung T, Ewer KJ, Bowyer G, Edwards NJ, Wright D, Sridhar S, Payne R, Powilson J, Bliss C, Venkatraman N, Poulton ID, de Graaf H, Gbesemete D, Grobbelaar A, Davies H, Roberts R, Angus B, Ivinson K, Weltzin R, Rajkumar BY, Wille-Reece U, Lee C, Ockenhouse C, Sinden RE, Gerry SC, Lawrie AM, Vekemans J, Morelle D, Lievens M, Ballou RW, Lewis DJM, Cooke GS, Faust SN, Gilbert S, Hill AVS. Safety and efficacy of novel malaria vaccine regimens of RTS,S/AS01B alone, or

with concomitant ChAd63-MVA-vectored vaccines expressing ME-TRAP. *NPJ Vaccines*. 2018 Oct 9;3:49. doi: 10.1038/s41541-018-0084-2. PMID: 30323956; PMCID: PMC6177476.

Cleary DW, Devine VT, Morris DE, Osman KL, Gladstone RA, Bentley SD, Faust SN, Clarke SC. Pneumococcal vaccine impacts on the population genomics of non-typeable *Haemophilus influenzae*. *Microb Genom*. 2018 Sep;4(9):e000209. doi: 10.1099/mgen.0.000209. Epub 2018 Aug 6. Erratum in: *Microb Genom*. 2021 May;7(5):. Cleary, David [corrected to Cleary, David W]; Devine, Vanessa [corrected to Devine, Vanessa T]; Morris, Denise [corrected to Morris, Denise E]; Osman, Karen [corrected to Osman, Karen L]; Gladstone, Rebecca [corrected to Gladstone, Rebecca A]; Bentley, Ste. PMID: 30080135; PMCID: PMC6202451.

Martinon-Torres F, Bernatowska E, Shcherbina A, Esposito S, Szenborn L, Marti MC, Hughes S, Faust SN, Gonzalez-Granado LI, Yu LM, D'Agostino D, Calabresi M, Toneatto D, Snape MD. Meningococcal B Vaccine Immunogenicity in Children With Defects in Complement and Splenic Function. *Pediatrics*. 2018 Sep;142(3):e20174250. doi: 10.1542/peds.2017-4250. Epub 2018 Aug 1. Erratum in: *Pediatrics*. 2019 Mar;143(3): PMID: 30068713.

Coughtrie AL, Morris DE, Anderson R, Begum N, Cleary DW, Faust SN, Jefferies JM, Kraaijeveld AR, Moore MV, Mullee MA, Roderick PJ, Tuck A, Whittaker RN, Yuen HM, Doncaster CP, Clarke SC. Ecology and diversity in upper respiratory tract microbial population structures from a cross-sectional community swabbing study. *J Med Microbiol*. 2018 Aug;67(8):1096-1108. doi: 10.1099/jmm.0.000773. Epub 2018 Jun 21. PMID: 29927372.

Claeys C, Zaman K, Dbaibo G, Li P, Izu A, Kosalaraksa P, Rivera L, Acosta B, Arroba Basanta ML, Aziz A, Cabanero MA, Chandrashekar V, Corsaro B, Cousin L, Diaz A, Diez-Domingo J, Dinleyici EC, Faust SN, Friel D, Garcia-Sicilia J, Gomez-Go GD, Antoinette Gonzales ML, Hughes SM, Jackowska T, Kant S, Lucero M, Malvaux L, Mares Bermudez J, Martinon-Torres F, Miranda M, Montellano M, Peix Sambola MA, Prymula R, Puthanakit T, Ruzkova R, Sadowska-Krawczenko I, Salamanca de la Cueva I, Sokal E, Soni J, Szymanski H, Ulied A, Schuind A, Jain VK, Innis BL; Flu4VEC Study Group. Prevention of vaccine-matched and mismatched influenza in children aged 6-35 months: a multinational randomised trial across five influenza seasons. *Lancet Child Adolesc Health*. 2018 May;2(5):338-349. doi: 10.1016/S2352-4642(18)30062-2. Epub 2018 Mar 5. PMID: 30169267.

Coughlan L, Sridhar S, Payne R, Edmans M, Milicic A, Venkatraman N, Lugonja B, Clifton L, Qi C, Folegatti PM, Lawrie AM, Roberts R, de Graaf H, Sukhtankar P, Faust SN, Lewis DJM, Lambe T, Hill AVS, Gilbert SC. Corrigendum to "Heterologous Two-dose Vaccination with Simian Adenovirus and Poxvirus Vectors Elicits Long-lasting Cellular Immunity to Influenza Virus A in Healthy Adults" [*EBioMedicine* 29 (2018) 146-154]. *EBioMedicine*. 2018 May;31:321. doi: 10.1016/j.ebiom.2018.05.001. Epub 2018 May 5. Erratum for: *EBioMedicine*. 2018 Mar;29:146-154. PMID: 29735416; PMCID: PMC6014575.

Marlow R, Kuriyakose S, Mesaros N, Han HH, Tomlinson R, Faust SN, Snape MD, Pollard AJ, Finn A. A phase III, open-label, randomised multicentre study to evaluate the immunogenicity and safety of a booster dose of two different reduced antigen diphtheria-tetanus-acellular pertussis-polio vaccines, when co-administered with measles-mumps-rubella vaccine in 3 and 4-year-old healthy children in the UK. *Vaccine*. 2018 Apr 19;36(17):2300-2306. doi: 10.1016/j.vaccine.2018.03.021. Epub 2018 Mar 22. PMID: 29576304.

Ramakrishnan KA, Rae W, Barcenas-Morales G, Gao Y, Pengelly RJ, Patel SV, Kumararatne DS, Ennis S, Doffinger R, Faust SN, Williams AP. Anticytokine autoantibodies in a patient with a heterozygous NFKB2 mutation. *J Allergy Clin Immunol*. 2018 Apr;141(4):1479-1482.e6. doi: 10.1016/j.jaci.2017.11.014. Epub 2017 Dec 7. PMID: 29225085.

Coughlan L, Sridhar S, Payne R, Edmans M, Milicic A, Venkatraman N, Lugonja B, Clifton L, Qi C, Folegatti PM, Lawrie AM, Roberts R, de Graaf H, Sukhtankar P, Faust SN, Lewis DJM, Lambe T, Hill A, Gilbert SC. Heterologous Two-Dose Vaccination with Simian Adenovirus and Poxvirus Vectors Elicits Long-Lasting Cellular Immunity to Influenza Virus A in Healthy Adults. *EBioMedicine*. 2018 Mar;29:146-154. doi: 10.1016/j.ebiom.2018.02.011. Epub 2018 Feb 15. Erratum in: *EBioMedicine*. 2018 May 4;: PMID: 29519670; PMCID: PMC5926543.

McQuaid F, Jones C, Stevens Z, Meddaugh G, O'Sullivan C, Donaldson B, Hughes R, Ford C, Finn A, Faust SN, Gbesemete D, Bedford H, Hughes S, Varghese AS, Heath PT, Snape MD. Antenatal vaccination against Group B streptococcus: attitudes of pregnant women and healthcare professionals in the UK towards participation in clinical trials and routine implementation. *Acta Obstet Gynecol Scand*. 2018 Mar;97(3):330-340. doi: 10.1111/aogs.13288. Epub 2018 Jan 19. PMID: 29292509.

Rae W, Ward D, Mattocks C, Pengelly RJ, Eren E, Patel SV, Faust SN, Hunt D, Williams AP. Clinical efficacy of a next-generation sequencing gene panel for primary immunodeficiency diagnostics. *Clin Genet*. 2018 Mar;93(3):647-655. doi: 10.1111/cge.13163. Epub 2018 Feb 2. PMID:

29077208.

Bliss CM, Bowyer G, Anagnostou NA, Havelock T, Snudden CM, Davies H, de Cassan SC, Grobbelaar A, Lawrie AM, Venkatraman N, Poulton ID, Roberts R, Mange PB, Choudhary P, Faust SN, Colloca S, Gilbert SC, Nicosia A, Hill AVS, Ewer KJ. Assessment of novel vaccination regimens using viral vectored liver stage malaria vaccines encoding ME-TRAP. *Sci Rep*. 2018 Feb 21;8(1):3390. doi: 10.1038/s41598-018-21630-4. PMID: 29467399; PMCID: PMC5821890.

Lees A, Payler J, Ballinger C, Lawrence P, Faust SN, Meads G. Positioning Children's Voice in Clinical Trials Research: A New Model for Planning, Collaboration, and Reflection. *Qual Health Res*. 2017 Dec;27(14):2162-2176. doi: 10.1177/1049732317726760. Epub 2017 Aug 24. PMID: 28836474.

Payne RO, Silk SE, Elias SC, Miura K, Diouf A, Galaway F, de Graaf H, Brendish NJ, Poulton ID, Griffiths OJ, Edwards NJ, Jin J, Labbe GM, Alanine DG, Siani L, Di Marco S, Roberts R, Green N, Berrie E, Ishizuka AS, Nielsen CM, Bardelli M, Partey FD, Ofori MF, Barfod L, Wambua J, Murungi LM, Osier FH, Biswas S, McCarthy JS, Minassian AM, Ashfield R, Viebig NK, Nugent FL, Douglas AD, Vekemans J, Wright GJ, Faust SN, Hill AV, Long CA, Lawrie AM, Draper SJ. Human vaccination against RH5 induces neutralizing antimalarial antibodies that inhibit RH5 invasion complex interactions. *JCI Insight*. 2017 Nov 2;2(21):e96381. doi: 10.1172/jci.insight.96381. PMID: 29093263; PMCID: PMC5752323.

de Graaf H, Gbesemete D, Gorringer AR, Diavatopoulos DA, Kester KE, Faust SN, Read RC. Investigating *Bordetella pertussis* colonisation and immunity: protocol for an inpatient controlled human infection model. *BMJ Open*. 2017 Oct 11;7(10):e018594. doi: 10.1136/bmjopen-2017-018594. PMID: 29025851; PMCID: PMC5652574.

Edwards A, Gao Y, Allan RN, Ball D, de Graaf H, Coelho T, Clifford V, Curtis N, Williams A, Faust SN, Mansour S, Marshall B, Elkington P, Tebruegge M. Corticosteroids and infliximab impair the performance of interferon- release assays used for diagnosis of latent tuberculosis. *Thorax*. 2017 Oct;72(10):946-949. doi: 10.1136/thoraxjnl-2016-209397. Epub 2017 Feb 3. PMID: 28159773.

Rae W, Ward D, Mattocks CJ, Gao Y, Pengelly RJ, Patel SV, Ennis S, Faust SN, Williams AP. Autoimmunity/inflammation in a monogenic primary immunodeficiency cohort. *Clin Transl Immunology*. 2017 Sep 15;6(9):e155. doi: 10.1038/cti.2017.38. PMID: 28983403; PMCID: PMC5628267.

Walker WT, Jackson CL, Allan RN, Collins SA, Kelso MJ, Rineh A, Yepuri NR, Nicholas B, Lau L, Johnston D, Lackie P, Faust SN, Lucas JSA, Hall-Stoodley L. Primary ciliary dyskinesia ciliated airway cells show increased susceptibility to *Haemophilus influenzae* biofilm formation. *Eur Respir J*. 2017 Sep 10;50(3):1700612. doi: 10.1183/13993003.00612-2017. PMID: 28890436.

Howlin RP, Cathie K, Hall-Stoodley L, Cornelius V, Duignan C, Allan RN, Fernandez BO, Barraud N, Bruce KD, Jefferies J, Kelso M, Kjelleberg S, Rice SA, Rogers GB, Pink S, Smith C, Sukhtankar PS, Salib R, Legg J, Carroll M, Daniels T, Feelisch M, Stoodley P, Clarke SC, Connett G, Faust SN, Webb JS. Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic *Pseudomonas aeruginosa* Infection in Cystic Fibrosis. *Mol Ther*. 2017 Sep 6;25(9):2104-2116. doi: 10.1016/j.ymthe.2017.06.021. Epub 2017 Jul 24. PMID: 28750737; PMCID: PMC5589160.

de Graaf H, Sukhtankar P, Arch B, Ahmad N, Lees A, Bennett A, Spowart C, Hickey H, Jeanes A, Armon K, Riordan A, Herberg J, Hackett S, Gamble C, Shingadia D, Pallett A, Clarke SC, Henman P, Emonts M, Sharland M, Finn A, Pollard AJ, Powell C, Marsh P, Ballinger C, Williamson PR, Clarke NM, Faust SN. Duration of intravenous antibiotic therapy for children with acute osteomyelitis or septic arthritis: a feasibility study. *Health Technol Assess*. 2017 Sep;21(48):1-164. doi: 10.3310/hta21480. PMID: 28862129; PMCID: PMC5592430.

Dawe H, Berger E, Sihlbom C, Angus EM, Howlin RP, Laver JR, Tebruegge M, Hall-Stoodley L, Stoodley P, Faust SN, Allan RN. D-methionine interferes with non-typeable *Haemophilus influenzae* peptidoglycan synthesis during growth and biofilm formation. *Microbiology (Reading)*. 2017 Jul;163(7):1093-1104. doi: 10.1099/mic.0.000491. Epub 2017 Jul 21. PMID: 28699879.

Gladstone RA, Devine V, Jones J, Cleary D, Jefferies JM, Bentley SD, Faust SN, Clarke SC. Pre-vaccine serotype composition within a lineage signposts its serotype replacement - a carriage study over 7 years following pneumococcal conjugate vaccine use in the UK. *Microb Genom*. 2017 Jun 9;3(6):e000119. doi: 10.1099/mgen.0.000119. PMID: 29026652; PMCID: PMC5628697.

Allan RN, Kelso MJ, Rineh A, Yepuri NR, Feelisch M, Soren O, Brito- Mutunayagam S, Salib RJ, Stoodley P, Clarke SC, Webb JS, Hall-Stoodley L, Faust SN. Cephalosporin-NO-donor prodrug PYRRO-C3D shows -lactam-mediated activity against *Streptococcus pneumoniae* biofilms. *Nitric Oxide*. 2017 May 1;65:43-49. doi: 10.1016/j.niox.2017.02.006. Epub 2017 Feb 21. PMID: 28235635.

Devine VT, Cleary DW, Jefferies JM, Anderson R, Morris DE, Tuck AC, Gladstone RA, O'Doherty G, Kuruparan P, Bentley SD, Faust SN, Clarke SC. The rise and fall of pneumococcal serotypes carried

in the PCV era. *Vaccine*. 2017 Mar 1;35(9):1293-1298. doi: 10.1016/j.vaccine.2017.01.035. Epub 2017 Feb 1. PMID: 28161425.

Collins SA, Kelso MJ, Rineh A, Yepuri NR, Coles J, Jackson CL, Halladay GD, Walker WT, Webb JS, Hall-Stoodley L, Connett GJ, Feelisch M, Faust SN, Lucas JS, Allan RN.

Cephalosporin-3'-Diazeniumdiolate NO Donor Prodrug PYRRO-C3D Enhances Azithromycin Susceptibility of Nontypeable *Haemophilus influenzae* Biofilms. *Antimicrob Agents Chemother*. 2017 Jan 24;61(2):e02086-16. doi: 10.1128/AAC.02086-16. PMID: 27919896; PMCID: PMC5278716.

Coulter TI, Chandra A, Bacon CM, Babar J, Curtis J, Screamon N, Goodlad JR, Farmer G, Steele CL, Leahy TR, Doffinger R, Baxendale H, Bernatoniene J, Edgar JD, Longhurst HJ, Ehl S, Speckmann C, Grimbacher B, Sediva A, Milota T, Faust SN, Williams AP, Hayman G, Kucuk ZY, Hague R, French P, Brooker R, Forsyth P, Herriot R, Cancrini C, Palma P, Ariganello P, Conlon N, Feighery C, Gavin PJ, Jones A, Imai K, Ibrahim MA, Markelj G, Abinun M, Rieux-Laucat F, Latour S, Pellier I, Fischer A, Touzot F, Casanova JL, Durandy A, Burns SO, Savic S, Kumararatne DS, Moshous D, Kracker S, Vanhaesebroeck B, Okkenhaug K, Picard C, Nejentsev S, Condliffe AM, Cant AJ. Clinical spectrum and features of activated phosphoinositide 3-kinase syndrome: A large patient cohort study. *J Allergy Clin Immunol*. 2017 Feb;139(2):597-606.e4. doi: 10.1016/j.jaci.2016.06.021. Epub 2016 Jul 16. PMID: 27555459; PMCID: PMC5292996.

Pace D, Khatami A, Attard-Montalto S, Voysey M, Finn A, Faust SN, Heath PT, Borrow R, Snape MD, Pollard AJ. Use of a booster dose of capsular group C meningococcal glycoconjugate vaccine to demonstrate immunologic memory in children primed with one or two vaccine doses in infancy. *Vaccine*. 2016 Dec 7;34(50):6350-6357. doi: 10.1016/j.vaccine.2016.10.038. Epub 2016 Oct 28. PMID: 28029540.

Ramakrishnan KA, Pengelly RJ, Gao Y, Morgan M, Patel SV, Davies EG, Ennis S, Faust SN, Williams AP. Precision Molecular Diagnosis Defines Specific Therapy in Combined Immunodeficiency with Megaloblastic Anemia Secondary to MTHFD1 Deficiency. *J Allergy Clin Immunol Pract*. 2016 Nov-Dec;4(6):1160-1166.e10. doi: 10.1016/j.jaip.2016.07.014. Epub 2016 Oct 1. PMID: 27707659.

Rae W, Ramakrishnan KA, Gao Y, Ashton-Key M, Pengelly RJ, Patel SV, Ennis S, Williams AP, Faust SN. Precision treatment with sirolimus in a case of activated phosphoinositide 3-kinase syndrome. *Clin Immunol*. 2016 Oct;171:38-40. doi: 10.1016/j.clim.2016.07.017. Epub 2016 Jul 19. PMID: 27444043.

Kent A, Ladhani SN, Andrews NJ, Scorrer T, Pollard AJ, Clarke P, Hughes SM, Heal C, Menson E, Chang J, Satodia P, Collinson AC, Faust SN, Goldblatt D, Miller E, Heath PT; PUNS Study Group. Schedules for Pneumococcal Vaccination of Preterm Infants: An RCT. *Pediatrics*. 2016 Sep;138(3):e20153945. doi: 10.1542/peds.2015-3945. Epub 2016 Aug 8. PMID: 27503351.

Niehaus WL, Howlin RP, Johnston DA, Bull DJ, Jones GL, Calton E, Mavrogordato MN, Clarke SC, Thurner PJ, Faust SN, Stoodley P. Development of X-ray micro-focus computed tomography to image and quantify biofilms in central venous catheter models in vitro. *Microbiology (Reading)*. 2016 Sep;162(9):1629-1640. doi: 10.1099/mic.0.000334. Epub 2016 Jul 6. PMID: 27384949.

Rampling T, Ewer KJ, Bowyer G, Bliss CM, Edwards NJ, Wright D, Payne RO, Venkatraman N, de Barra E, Snudden CM, Poulton ID, de Graaf H, Sukhtankar P, Roberts R, Ivinson K, Weltzin R, Rajkumar BY, Wille-Reece U, Lee CK, Ockenhouse CF, Sinden RE, Gerry S, Lawrie AM, Vekemans J, Morelle D, Lievens M, Ballou RW, Cooke GS, Faust SN, Gilbert S, Hill AV. Safety and High Level Efficacy of the Combination Malaria Vaccine Regimen of RTS,S/AS01B With Chimpanzee Adenovirus 63 and Modified Vaccinia Ankara Vectors Expressing ME-TRAP. *J Infect Dis*. 2016 Sep 1;214(5):772-81. doi: 10.1093/infdis/jiw244. Epub 2016 Jun 15. PMID: 27307573; PMCID: PMC4978377.

de Graaf H, Pelosi E, Cooper A, Pappachan J, Sykes K, MacIntosh I, Gbesemete D, Clark TW, Patel SV, Faust SN, Tebruegge M. Severe Enterovirus Infections in Hospitalized Children in the South of England: Clinical Phenotypes and Causative Genotypes. *Pediatr Infect Dis J*. 2016 Jul;35(7):723-7. doi: 10.1097/INF.0000000000001093. PMID: 26882165; PMCID: PMC4985250.

Payne RO, Milne KH, Elias SC, Edwards NJ, Douglas AD, Brown RE, Silk SE, Biswas S, Miura K, Roberts R, Rampling TW, Venkatraman N, Hodgson SH, Labbe GM, Halstead FD, Poulton ID, Nugent FL, de Graaf H, Sukhtankar P, Williams NC, Ockenhouse CF, Kathcart AK, Qabar AN, Waters NC, Soisson LA, Birkett AJ, Cooke GS, Faust SN, Woods C, Ivinson K, McCarthy JS, Diggs CL, Vekemans J, Long CA, Hill AV, Lawrie AM, Dutta S, Draper SJ. Demonstration of the Blood-Stage *Plasmodium falciparum* Controlled Human Malaria Infection Model to Assess Efficacy of the *P. falciparum* Apical Membrane Antigen 1 Vaccine, FMP2.1/AS01. *J Infect Dis*. 2016 Jun 1;213(11):1743-51. doi: 10.1093/infdis/jiw039. Epub 2016 Feb 4. Erratum in: *J Infect Dis*. 2016 Sep 15;214(6):978. PMID: 26908756; PMCID: PMC4857475.

Gao Y, Rae W, Ramakrishnan KA, Barcenas-Morales G, Doffinger R, Eren E, Faust SN, Ottensmeier CH, Williams AP. Mucosal-Associated Invariant T (MAIT) Cells Are Impaired in Th17 Associated Primary and Secondary Immunodeficiencies. *PLoS One*. 2016 May 11;11(5):e0155059. doi: 10.1371/journal.pone.0155059. PMID: 27167980; PMCID: PMC4864289.

Churton NW, Misra RV, Howlin RP, Allan RN, Jefferies J, Faust SN, Gharbia SE, Edwards RJ, Clarke SC, Webb JS. Parallel Evolution in *Streptococcus pneumoniae* Biofilms. *Genome Biol Evol*. 2016 May 9;8(5):1316-26. doi: 10.1093/gbe/evw072. PMID: 27190203; PMCID: PMC4898793.

Cleary DW, Devine VT, Jefferies JM, Webb JS, Bentley SD, Gladstone RA, Faust SN, Clarke SC. Comparative Genomics of Carriage and Disease Isolates of *Streptococcus pneumoniae* Serotype 22F Reveals Lineage-Specific Divergence and Niche Adaptation. *Genome Biol Evol*. 2016 Apr 21;8(4):1243-51. doi: 10.1093/gbe/evw066. PMID: 27016484; PMCID: PMC4860696.

Allan RN, Morgan S, Brito-Mutunayagam S, Skipp P, Feelisch M, Hayes SM, Hellier W, Clarke SC, Stoodley P, Burgess A, Ismail-Koch H, Salib RJ, Webb JS, Faust SN, Hall-Stoodley L. Low Concentrations of Nitric Oxide Modulate *Streptococcus pneumoniae* Biofilm Metabolism and Antibiotic Tolerance. *Antimicrob Agents Chemother*. 2016 Mar 25;60(4):2456-66. doi: 10.1128/AAC.02432-15. PMID: 26856845; PMCID: PMC4808185.

Herberg JA, Kaforou M, Wright VJ, Shailes H, Eleftherohorinou H, Hoggart CJ, Cebe-Lopez M, Carter MJ, Janes VA, Gormley S, Shimizu C, Tremoulet AH, Barendregt AM, Salas A, Kanegaye J, Pollard AJ, Faust SN, Patel S, Kuijpers T, Martinon-Torres F, Burns JC, Coin LJ, Levin M; IRIS Consortium. Diagnostic Test Accuracy of a 2-Transcript Host RNA Signature for Discriminating Bacterial vs Viral Infection in Febrile Children. *JAMA*. 2016 Aug 23-30;316(8):835-45. doi: 10.1001/jama.2016.11236. Erratum in: *JAMA*. 2017 Feb 7;317(5):538. PMID: 27552617; PMCID: PMC5997174.

Connett GJ, Pike KC, Legg JP, Cathie K, Dewar A, Foote K, Harris A, Faust SN. Ciprofloxacin during upper respiratory tract infections to reduce *Pseudomonas aeruginosa* infection in paediatric cystic fibrosis: a pilot study. *Thorax*. 2015 Dec;9(6):272-80. doi: 10.1177/1753465815601571. Epub 2015 Sep 4. PMID: 26341118.

Jarvis J, Gao Y, de Graaf H, Hughes S, Allan RN, Williams A, Marshall B, Elkington P, Faust SN, Tebruegge M. Environmental temperature impacts on the performance of QuantiFERON-TB Gold In-Tube assays. *J Infect*. 2015 Aug;71(2):276-80. doi: 10.1016/j.jinf.2015.04.004. Epub 2015 Apr 11. PMID: 25869537.

Jeppesen CA, Snape MD, Robinson H, Gossger N, John TM, Voysey M, Ladhani S, Okike IO, Oeser C, Kent A, Oliver J, Taylor P, Morales-Aza B, Clarke SC, Casey M, Martins F, Kitchin NR, Anderson AS, Jones H, Jansen KU, Eiden J, Pedneault L, Heath PT, Finn A, Faust SN, Pollard AJ. Meningococcal carriage in adolescents in the United Kingdom to inform timing of an adolescent vaccination strategy. *J Infect*. 2015 Jul;71(1):43-52. doi: 10.1016/j.jinf.2015.02.006. Epub 2015 Feb 21. PMID: 25709085.

Stock CJ, Carley N, Hickman B, Primrose J, Ayres A, McGrath C, Edwards CJ, Faust SN. Clinician engagement is critical to public engagement with clinical trials. *BMJ*. 2015 Jun 12;350:h3140. doi: 10.1136/bmj.h3140. PMID: 26071322.

Hayes SM, Howlin R, Johnston DA, Webb JS, Clarke SC, Stoodley P, Harries PG, Wilson SJ, Pender SL, Faust SN, Hall-Stoodley L, Salib RJ. Intracellular residency of *Staphylococcus aureus* within mast cells in nasal polyps: A novel observation. *J Allergy Clin Immunol*. 2015 Jun;135(6):1648-51. doi: 10.1016/j.jaci.2014.12.1929. Epub 2015 Feb 11. PMID: 25680455.

Gladstone RA, Jefferies JM, Tocheva AS, Beard KR, Garley D, Chong WW, Bentley SD, Faust SN, Clarke SC. Five winters of pneumococcal serotype replacement in UK carriage following PCV introduction. *Vaccine*. 2015 Apr 21;33(17):2015-21. doi: 10.1016/j.vaccine.2015.03.012. Epub 2015 Mar 14. PMID: 25776920; PMCID: PMC4392391.

Pace D, Khatami A, McKenna J, Campbell D, Attard-Montalto S, Birks J, Voysey M, White C, Finn A, Macloed E, Faust SN, Kent AL, Heath PT, Borrow R, Snape MD, Pollard AJ. Immunogenicity of reduced dose priming schedules of serogroup C meningococcal conjugate vaccine followed by booster at 12 months in infants: open label randomised controlled trial. *BMJ*. 2015 Apr 1;350:h1554. doi: 10.1136/bmj.h1554. Erratum in: *BMJ*. 2016 May 06;353:i2605. PMID: 25832102; PMCID: PMC4382115.

Hodgson SH, Ewer KJ, Bliss CM, Edwards NJ, Rampling T, Anagnostou NA, de Barra E, Havelock T, Bowyer G, Poulton ID, de Cassan S, Longley R, Illingworth JJ, Douglas AD, Mange PB, Collins KA, Roberts R, Gerry S, Berrie E, Moyle S, Colloca S, Cortese R, Sinden RE, Gilbert SC, Bejon P, Lawrie AM, Nicosia A, Faust SN, Hill AV. Evaluation of the efficacy of ChAd63-MVA vectored vaccines expressing circumsporozoite protein and ME-TRAP against controlled human malaria

infection in malaria-naive individuals. *J Infect Dis.* 2015 Apr 1;211(7):1076-86. doi: 10.1093/infdis/jiu579. Epub 2014 Oct 21. PMID: 25336730; PMCID: PMC4354983.

Faust SN, Wilcox MH, Banaszekiewicz A, Bouza E, Raymond J, Gerding DN. Lack of evidence for an unmet need to treat *Clostridium difficile* infection in infants aged <2 years: expert recommendations on how to address this issue. *Clin Infect Dis.* 2015 Mar 15;60(6):912-8. doi: 10.1093/cid/ciu936. Epub 2014 Nov 24. PMID: 25422389.

Tebruegge M, Jones C, de Graaf H, Sukhtankar P, Allan RN, Howlin RP, Browning D, Schuster H, Pallett A, Patel S, Faust SN. Invasive *Propionibacterium acnes* infections in a non-selective patient cohort: clinical manifestations, management and outcome. *Eur J Clin Microbiol Infect Dis.* 2015 Mar;34(3):527-34. doi: 10.1007/s10096-014-2256-y. Epub 2014 Oct 18. PMID: 25326276.

Iro MA, Khatami A, Marshall AS, Pace D, Voysey M, McKenna J, Campbell D, Attard-Montalto S, Finn A, White C, Faust SN, Kent A, Heath PT, MacLeod E, Stanford E, Findlow H, Almond R, Bai X, Borrow R, Snape MD, Pollard AJ. Immunological effect of administration of sequential doses of *Haemophilus influenzae* type b and pneumococcal conjugate vaccines in the same versus alternating limbs in the routine infant immunisation schedule: an open-label randomised controlled trial. *Lancet Infect Dis.* 2015 Feb;15(2):172-80. doi: 10.1016/S1473-3099(14)71057-6. Epub 2015 Jan 8. PMID: 25577661.

Read RC, Baxter D, Chadwick DR, Faust SN, Finn A, Gordon SB, Heath PT, Lewis DJ, Pollard AJ, Turner DP, Bazaz R, Ganguli A, Havelock T, Neal KR, Okike IO, Morales-Aza B, Patel K, Snape MD, Williams J, Gilchrist S, Gray SJ, Maiden MC, Toneatto D, Wang H, McCarthy M, Dull PM, Borrow R. Effect of a quadrivalent meningococcal ACWY glycoconjugate or a serogroup B meningococcal vaccine on meningococcal carriage: an observer-blind, phase 3 randomised clinical trial. *Lancet.* 2014 Dec 13;384(9960):2123-31. doi: 10.1016/S0140-6736(14)60842-4. Epub 2014 Aug 18. PMID: 25145775.

Coughtrie AL, Whittaker RN, Begum N, Anderson R, Tuck A, Faust SN, Jefferies JM, Yuen HM, Roderick PJ, Mullee MA, Moore MV, Clarke SC. Evaluation of swabbing methods for estimating the prevalence of bacterial carriage in the upper respiratory tract: a cross sectional study. *BMJ Open.* 2014 Oct 30;4(10):e005341. doi: 10.1136/bmjopen-2014-005341. PMID: 25358677; PMCID: PMC4216860.

Allan RN, Skipp P, Jefferies J, Clarke SC, Faust SN, Hall-Stoodley L, Webb J. Pronounced metabolic changes in adaptation to biofilm growth by *Streptococcus pneumoniae*. *PLoS One.* 2014 Sep 4;9(9):e107015. doi: 10.1371/journal.pone.0107015. PMID: 25188255; PMCID: PMC4154835.

Tebruegge M, de Graaf H, Sukhtankar P, Elkington P, Marshall B, Schuster H, Patel S, Faust SN. Extremes of age are associated with indeterminate QuantiFERON-TB gold assay results. *J Clin Microbiol.* 2014 Jul;52(7):2694-7. doi: 10.1128/JCM.00814-14. Epub 2014 May 14. PMID: 24829238; PMCID: PMC4097686.

Katis IN, Holloway JA, Madsen J, Faust SN, Garbis SD, Smith PJ, Voegeli D, Bader DL, Eason RW, Sones CL. Paper-based colorimetric enzyme linked immunosorbent assay fabricated by laser induced forward transfer. *Biomicrofluidics.* 2014 May 19;8(3):036502. doi: 10.1063/1.4878696. PMID: 24926392; PMCID: PMC4032417.

Truck J, Snape MD, Tatangeli F, Voysey M, Yu LM, Faust SN, Heath PT, Finn A, Pollard AJ. Pneumococcal serotype-specific antibodies persist through early childhood after infant immunization: follow-up from a randomized controlled trial. *PLoS One.* 2014 Mar 11;9(3):e91413. doi: 10.1371/journal.pone.0091413. PMID: 24618837; PMCID: PMC3950188.

Walker WT, Jackson CL, Coles J, Lackie PM, Faust SN, Hall-Stoodley L, Lucas JS. Ciliated cultures from patients with primary ciliary dyskinesia produce nitric oxide in response to *Haemophilus influenzae* infection and proinflammatory cytokines. *Chest.* 2014 Mar 1;145(3):668-669. doi: 10.1378/chest.13-2398. PMID: 24590042.

Hoschler K, Andrews NJ, Faust SN, Finn A, Pollard AJ, Snape MD, Walker WT, Zambon M, Miller E. Administration of AS03B-adjuvanted A(H1N1)pdm09 vaccine in children aged <3 years enhances antibody response to H3 and B viruses following a single dose of trivalent vaccine one year later. *Clin Infect Dis.* 2014 Jan;58(2):181-7. doi: 10.1093/cid/cit692. Epub 2013 Oct 22. PMID: 24149079.

Iro MA, Kirkham FJ, Macdonald JH, Tebruegge M, Faust SN, Patel SV. Varicella zoster virus central nervous system immune reconstitution inflammatory syndrome presenting in a child. *Pediatr Infect Dis J.* 2013 Nov;32(11):1283-4. doi: 10.1097/INF.0b013e31829aa4fc. PMID: 24141801.

Pryde K, Walker WT, Hollingsworth C, Haywood P, Baird J, Hussey M, Freeman A, Gawne-Cain M, Harms B, Kirkham FJ, Faust SN. Stroke in paediatric pneumococcal meningitis: a cross-sectional population-based study. *Arch Dis Child.* 2013 Aug;98(8):647-9. doi: 10.1136/archdischild-2013-304243. Epub 2013 Jun 11. PMID: 23757479.

Tocheva AS, Jefferies JM, Christodoulides M, Faust SN, Clarke SC. Distribution of carried pneumococcal clones in UK children following the introduction of the 7-valent pneumococcal conjugate vaccine: a 3-year cross-sectional population based analysis. *Vaccine*. 2013 Jun 28;31(31):3187-90. doi: 10.1016/j.vaccine.2013.04.075. Epub 2013 May 13. PMID: 23680442.

Khatami A, Snape MD, Ohene-Kena B, Young K, Oeser C, Michaelis LJ, Macleod E, Smee H, Van Der Meeren O, Leyssen M, Caubet M, Yu LM, Heath PT, Faust SN, Finn A, Pollard AJ. Phase II study of a three-dose primary vaccination course of DTPa-IPV/Hib-MenC-TT followed by a 12-month Hib-MenC-TT booster in healthy infants. *Pediatr Infect Dis J*. 2013 Jun;32(6):675-81. doi: 10.1097/INF.0b013e31828672a7. PMID: 23348809.

Loman NJ, Gladstone RA, Constantinidou C, Tocheva AS, Jefferies JM, Faust SN, O'Connor L, Chan J, Pallen MJ, Clarke SC. Clonal expansion within pneumococcal serotype 6C after use of seven-valent vaccine. *PLoS One*. 2013 May 28;8(5):e64731. doi: 10.1371/journal.pone.0064731. PMID: 23724086; PMCID: PMC3665553.

Bolze A, Mahlaoui N, Byun M, Turner B, Trede N, Ellis SR, Abhyankar A, Itan Y, Patin E, Brebner S, Sackstein P, Puel A, Picard C, Abel L, Quintana-Murci L, Faust SN, Williams AP, Baretto R, Duddridge M, Kini U, Pollard AJ, Gaud C, Frange P, Orbach D, Emile JF, Stephan JL, Sorensen R, Plebani A, Hammarstrom L, Conley ME, Selleri L, Casanova JL. Ribosomal protein SA haploinsufficiency in humans with isolated congenital asplenia. *Science*. 2013 May 24;340(6135):976-8. doi: 10.1126/science.1234864. Epub 2013 Apr 11. PMID: 23579497; PMCID: PMC3677541.

Gamblin J, Jefferies JM, Harris S, Ahmad N, Marsh P, Faust SN, Fraser S, Moore M, Roderick P, Blair I, Clarke SC. Nasal self-swabbing for estimating the prevalence of *Staphylococcus aureus* in the community. *J Med Microbiol*. 2013 Mar;62(Pt 3):437-440. doi: 10.1099/jmm.0.051854-0. Epub 2012 Dec 6. PMID: 23222858.

Sheehy SH, Duncan CJ, Elias SC, Choudhary P, Biswas S, Halstead FD, Collins KA, Edwards NJ, Douglas AD, Anagnostou NA, Ewer KJ, Havelock T, Mahungu T, Bliss CM, Miura K, Poulton ID, Lillie PJ, Antrobus RD, Berrie E, Moyle S, Gantlett K, Colloca S, Cortese R, Long CA, Sinden RE, Gilbert SC, Lawrie AM, Doherty T, Faust SN, Nicosia A, Hill AV, Draper SJ. ChAd63-MVA-vectored blood-stage malaria vaccines targeting MSP1 and AMA1: assessment of efficacy against mosquito bite challenge in humans. *Mol Ther*. 2012 Dec;20(12):2355-68. doi: 10.1038/mt.2012.223. Epub 2012 Oct 23. PMID: 23089736; PMCID: PMC3519995.

Barraud N, Kardak BG, Yepuri NR, Howlin RP, Webb JS, Faust SN, Kjelleberg S, Rice SA, Kelso MJ. Cephalosporin-3'-diazoniumdiolates: targeted NO-donor prodrugs for dispersing bacterial biofilms. *Angew Chem Int Ed Engl*. 2012 Sep 3;51(36):9057-60. doi: 10.1002/anie.201202414. Epub 2012 Aug 13. PMID: 22890975.

Lillie PJ, Berthoud TK, Powell TJ, Lambe T, Mullarkey C, Spencer AJ, Hamill M, Peng Y, Blais ME, Duncan CJ, Sheehy SH, Havelock T, Faust SN, Williams RL, Gilbert A, Oxford J, Dong T, Hill AV, Gilbert SC. Preliminary assessment of the efficacy of a T-cell-based influenza vaccine, MVA-NP+M1, in humans. *Clin Infect Dis*. 2012 Jul;55(1):19-25. doi: 10.1093/cid/cis327. Epub 2012 Mar 22. Erratum in: *Clin Infect Dis*. 2019 Jun 18;69(1):195. PMID: 22441650; PMCID: PMC3369564.

Walker WT, de Whalley P, Andrews N, Oeser C, Casey M, Michaelis L, Hoschler K, Harrill C, Moulds P, Thompson B, Jones C, Chalk J, Kerridge S, John TM, Okike I, Ladhani S, Tomlinson R, Heath PT, Miller E, Faust SN, Snape MD, Finn A, Pollard AJ. H1N1 antibody persistence 1 year after immunization with an adjuvanted or whole-virion pandemic vaccine and immunogenicity and reactogenicity of subsequent seasonal influenza vaccine: a multicenter follow-on study. *Clin Infect Dis*. 2012 Mar 1;54(5):661-9. doi: 10.1093/cid/cir905. Epub 2012 Jan 19. PMID: 22267719; PMCID: PMC3275760.

Renner P, Roger T, Bochud PY, Sprong T, Sweep FC, Bochud M, Faust SN, Haralambous E, Betts H, Chanson AL, Reymond MK, Mermel E, Erard V, van Deuren M, Read RC, Levin M, Calandra T. A functional microsatellite of the macrophage migration inhibitory factor gene associated with meningococcal disease. *FASEB J*. 2012 Feb;26(2):907-16. doi: 10.1096/fj.11-195065. Epub 2011 Oct 11. PMID: 21990375.

Hall MA, Wain S, Pallett A, Faust SN. Empirical antibiotics for suspected early neonatal sepsis. *Arch Dis Child Fetal Neonatal Ed*. 2012 Jan;97(1):F75. doi: 10.1136/archdischild-2011-300152. Epub 2011 Aug 17. PMID: 21849304.

Andrews NJ, Walker WT, Finn A, Heath PT, Collinson AC, Pollard AJ, Snape MD, Faust SN, Waight PA, Hoschler K, Sheasby L, Waddington C, Kerridge S, Chalk J, Reiner A, John T, Fletcher M, Allen R, Fineman N, Wilkins S, Casey M, Michaelis L, Oeser C, Okike I, Ladhani S, Miller E. Predictors of immune response and reactogenicity to AS03B-adjuvanted split virion and non-adjuvanted whole

virion H1N1 (2009) pandemic influenza vaccines. *Vaccine*. 2011 Oct 19;29(45):7913-9. doi: 10.1016/j.vaccine.2011.08.076. Epub 2011 Aug 27. PMID: 21875635.

Tocheva AS, Jefferies JM, Rubery H, Bennett J, Afimeke G, Garland J, Christodoulides M, Faust SN, Clarke SC. Declining serotype coverage of new pneumococcal conjugate vaccines relating to the carriage of *Streptococcus pneumoniae* in young children. *Vaccine*. 2011 Jun 10;29(26):4400-4. doi: 10.1016/j.vaccine.2011.04.004. Epub 2011 Apr 17. PMID: 21504773.

Snape MD, Klinger CL, Daniels ED, John TM, Layton H, Rollinson L, Pestrige S, Dymond S, Galiza E, Tansey S, Scott DA, Baker SA, Jones TR, Yu LM, Gruber WC, Emini EA, Faust SN, Finn A, Heath PT, Pollard AJ. Immunogenicity and reactogenicity of a 13-valent-pneumococcal conjugate vaccine administered at 2, 4, and 12 months of age: a double-blind randomized active-controlled trial. *Pediatr Infect Dis J*. 2010 Dec;29(12):e80-90. doi: 10.1097/inf.0b013e3181faa6be. PMID: 21155091.

Waddington C, Andrews N, Hoschler K, Walker W, Oeser C, Reiner A, John T, Wilkins S, Casey M, Eccleston P, Allen R, Okike I, Ladhani S, Sheasby E, Waight P, Collinson A, Heath P, Finn A, Faust S, Snape M, Miller E, Pollard A. Open-label, randomised, parallel-group, multicentre study to evaluate the safety, tolerability and immunogenicity of an AS03(B)/oil-in-water emulsion-adjuvanted (AS03(B)) split-virion versus non-adjuvanted whole-virion H1N1 influenza vaccine in UK children 6 months to 12 years of age. *Health Technol Assess*. 2010 Oct;14(46):1-130. doi: 10.3310/hta14460-01. PMID: 20923610.

Jefferies JMC, Tocheva AS, Rubery H, Bennett J, Garland J, Christodoulides M, Faust SN, Smith A, Mitchell TJ, Clarke SC. Identification of novel pneumolysin alleles from paediatric carriage isolates of *Streptococcus pneumoniae*. *J Med Microbiol*. 2010 Jul;59(Pt 7):808-814. doi: 10.1099/jmm.0.018663-0. Epub 2010 Mar 25. PMID: 20339017.

Emonts M, Vermont CL, Houwing-Duistermaat JJ, Haralambous E, Gaast-de Jongh CE, Hazelzet JA, Faust SN, Betts H, Hermans PW, Levin M, de Groot R; St. Mary's-Imperial College and Erasmus MC-Sophia Children's Hospitals Meningococcal Research Groups. Polymorphisms in PARP, IL1B, IL4, IL10, C1INH, DEFB1, and DEFA4 in meningococcal disease in three populations. *Shock*. 2010 Jul;34(1):17-22. doi: 10.1097/SHK.0b013e3181ce2c7d. PMID: 20016407.

Waddington CS, Walker WT, Oeser C, Reiner A, John T, Wilkins S, Casey M, Eccleston PE, Allen RJ, Okike I, Ladhani S, Sheasby E, Hoschler K, Andrews N, Waight P, Collinson AC, Heath PT, Finn A, Faust SN, Snape MD, Miller E, Pollard AJ. Safety and immunogenicity of AS03B adjuvanted split virion versus non-adjuvanted whole virion H1N1 influenza vaccine in UK children aged 6 months-12 years: open label, randomised, parallel group, multicentre study. *BMJ*. 2010 May 27;340:c2649. doi: 10.1136/bmj.c2649. PMID: 20508026; PMCID: PMC2877808.

Tocheva AS, Jefferies JM, Christodoulides M, Faust SN, Clarke SC. Increase in serotype 6C pneumococcal carriage, United Kingdom. *Emerg Infect Dis*. 2010 Jan;16(1):154-5. doi: 10.3201/eid1601.090650. PMID: 20031068; PMCID: PMC2874357.

Inwald DP, Faust SN, Lister P, Peters MJ, Levin M, Heyderman R, Klein NJ. Platelet and soluble CD40L in meningococcal sepsis. *Intensive Care Med*. 2006 Sep;32(9):1432-7. doi: 10.1007/s00134-006-0250-2. Epub 2006 Jun 30. PMID: 16810523.

Zenz W, Zoehrer B, Levin M, Fanconi S, Hatzis TD, Knight G, Mullner M, Faust SN; International Paediatric Meningococcal Thrombolysis Study Group. Use of recombinant tissue plasminogen activator in children with meningococcal purpura fulminans: a retrospective study. *Crit Care Med*. 2004 Aug;32(8):1777-80. doi: 10.1097/01.ccm.0000133667.86429.5d. PMID: 15286558.

Harrison OB, Robertson BD, Faust SN, Jepson MA, Goldin RD, Levin M, Heyderman RS. Analysis of pathogen-host cell interactions in purpura fulminans: expression of capsule, type IV pili, and PorA by *Neisseria meningitidis* in vivo. *Infect Immun*. 2002 Sep;70(9):5193-201. doi: 10.1128/IAI.70.9.5193-5201.2002. PMID: 12183570; PMCID: PMC128269.

Faust SN, Levin M, Harrison OB, Goldin RD, Lockhart MS, Kondaveeti S, Laszik Z, Esmon CT, Heyderman RS. Dysfunction of endothelial protein C activation in severe meningococcal sepsis. *N Engl J Med*. 2001 Aug 9;345(6):408-16. doi: 10.1056/NEJM200108093450603. PMID: 11496851.

2. Journal Papers

(Clinical Guidelines, Editorials, Member of Working Party or Named Clinical Investigator)

Mentzer AJ, O'Connor D, Bibi S, Chelysheva I, Clutterbuck EA, Demissie T, Dinesh T, Edwards NJ, Felle S, Feng S, Flaxman AL, Karp-Tatham E, Li G, Liu X, Marchevsky N, Godfrey L, Makinson R, Bull MB, Fowler J, Alamad B, Malinauskas T, Chong AY, Sanders K, Shaw RH, Voysey M; Oxford COVID Vaccine Trial Genetics Study Team Group, Snape MD, Pollard AJ, Lambe T, Knight JC. Human leukocyte antigen alleles associate with COVID-19 vaccine immunogenicity and risk of breakthrough infection. *Nat Med*. 2022 Oct 13. doi: 10.1038/s41591-022-02078-6. Online ahead of print. PMID: 36228659 Faust SN named clinical investigator.

Israni M, Nicholson B, Mahlaoui N, Obici L, Rossi-Semerano L, Lachmann H, Hayward G, Avramovic MZ, Guffroy A, Dalm V, Rimmer R, Solis L, Villar C, Gennery AR, Skeffington S, Nordin J, Warnatz K, Korganow AS, Anton J, Cattalini M, Amin T, Berg S, Soler-Palacin P, Burns SO, Campbell M; RITA-ERN Transition Working Group Consortium. Current Transition Practice for Primary Immunodeficiencies and Autoinflammatory Diseases in Europe: a RITA-ERN Survey. *J Clin Immunol*. 2022 Oct 12. doi: 10.1007/s10875-022-01345-y. Online ahead of print. PMID: 36222999. Faust SN named clinical investigator.

Jennings M, Burova M, Hamilton LG, Hunter E, Morden C, Pandya D, Beecham R, Moyses H, Saeed K, Afolabi PR, Calder PC, Dushianthan A; REACT COVID-19 Investigators. Body mass index and clinical outcome of severe COVID-19 patients with acute hypoxic respiratory failure: Unravelling the "obesity paradox" phenomenon. *Clin Nutr ESPEN*. 2022 Oct;51:377-384. doi: 10.1016/j.clnesp.2022.07.016. Epub 2022 Aug 6. PMID: 36184231. Faust SN named clinical investigator.

Matthews L, Baker L, Ferrari M, Sanchez W, Pappachan J, Grocott MP, Dushianthan A; REACT COVID-19 investigators. Compassionate use of Pulmonary Vasodilators in Acute Severe Hypoxic Respiratory Failure due to COVID-19. *J Intensive Care Med*. 2022 Apr 4:8850666221086521. doi: 10.1177/08850666221086521. Epub ahead of print. PMID: 35369798. Faust SN named clinical investigator.

Toback S, Galiza E, Cosgrove C, Galloway J, Goodman AL, Swift PA, Rajaram S, Graves-Jones A, Edelman J, Burns F, Minassian AM, Cho I, Kumar L, Plested JS, Rivers EJ, Robertson A, Dubovsky F, Glenn G, Heath PT; 2019nCoV-302 Study Group. Safety, immunogenicity, and efficacy of a COVID-19 vaccine (NVX-CoV2373) co-administered with seasonal influenza vaccines: an exploratory substudy of a randomised, observer-blinded, placebo-controlled, phase 3 trial. *Lancet Respir Med*. 2022 Feb;10(2):167-179. doi: 10.1016/S2213-2600(21)00409-4. Epub 2021 Nov 17. PMID: 34800364; PMCID: PMC8598212. Faust SN named clinical investigator.

Heath PT, Galiza EP, Baxter DN, Boffito M, Browne D, Burns F, Chadwick DR, Clark R, Cosgrove C, Galloway J, Goodman AL, Heer A, Higham A, Iyengar S, Jamal A, Jeanes C, Kalra PA, Kyriakidou C, McAuley DF, Meyrick A, Minassian AM, Minton J, Moore P, Munsoor I, Nicholls H, Osanlou O, Packham J, Pretswell CH, San Francisco Ramos A, Saralaya D, Sheridan RP, Smith R, Soiza RL, Swift PA, Thomson EC, Turner J, Viljoen ME, Albert G, Cho I, Dubovsky F, Glenn G, Rivers J, Robertson A, Smith K, Toback S; 2019nCoV-302 Study Group. Safety and Efficacy of NVX-CoV2373 Covid-19 Vaccine. *N Engl J Med*. 2021 Sep 23;385(13):1172-1183. doi: 10.1056/NEJMoa2107659. Epub 2021 Jun 30. PMID: 34192426; PMCID: PMC8262625. Faust SN named clinical investigator.

Flaxman A, Marchevsky NG, Jenkin D, Aboagye J, Aley PK, Angus B, Belij-Rammerstorfer S, Bibi S, Bittaye M, Cappuccini F, Cicconi P, Clutterbuck EA, Davies S, Dejnirattisai W, Dold C, Ewer KJ, Folegatti PM, Fowler J, Hill AVS, Kerridge S, Minassian AM, Mongkolsapaya J, Mujadidi YF, Plested E, Ramasamy MN, Robinson H, Sanders H, Sheehan E, Smith H, Snape MD, Song R, Woods D, Srean G, Gilbert SC, Voysey M, Pollard AJ, Lambe T; Oxford COVID Vaccine Trial group. Reactogenicity and immunogenicity after a late second dose or a third dose of ChAdOx1 nCoV-19 in the UK: a substudy of two randomised controlled trials (COV001 and COV002). *Lancet*. 2021 Sep 11;398(10304):981-990. doi: 10.1016/S0140-6736(21)01699-8. Epub 2021 Sep 1. PMID: 34480858; PMCID: PMC8409975. Faust SN named clinical investigator.

WHO Rapid Evidence Appraisal for COVID-19 Therapies (REACT) Working Group, Shankar-Hari M, Vale CL, Godolphin PJ, Fisher D, Higgins JPT, Spiga F, Savovic J, Tierney J, Baron G, Benbenishty JS, Berry LR, Broman N, Cavalcanti AB, Colman R, De Buysler SL, Derde LPG, Domingo P, Omar SF, Fernandez-Cruz A, Feuth T, Garcia F, Garcia-Vicuna R, Gonzalez-Alvaro I, Gordon AC, Haynes R, Hermine O, Horby PW, Horick NK, Kumar K, Lambrecht BN, Landray MJ, Leal L, Lederer DJ, Lorenzi E, Mariette X, Merchante N, Misnan NA, Mohan SV, Nivens MC, Oksi J, Perez-Molina JA, Pizov R, Porcher R, Postma S, Rajasuriar R, Ramanan AV, Ravaud P, Reid PD, Rutgers A, Sancho-Lopez A, Seto TB, Sivapalasingam S, Soan AS, Staplin N, Stone JH, Strohbehn GW, Sunden-Cullberg J, Torre-Cisneros J, Tsai LW, van Hoogstraten H, van Meerten T, Veiga VC, Westerweel PE, Murthy S, Diaz JV, Marshall JC, Sterne JAC. Association Between Administration of IL-6 Antagonists and Mortality Among Patients Hospitalized for COVID-19: A Meta-analysis. *JAMA*. 2021 Aug 10;326(6):499-518. doi: 10.1001/jama.2021.11330. PMID: 34228774; PMCID: PMC8261689. Faust SN named clinical investigator.

Morris DE, McNeil H, Hocknell RE, Anderson R, Tuck AC, Tricarico S, Norazmi MN, Lim V, Siang TC, Lim PKC, Wie CC, Cleary DW, Yap IKS, Clarke SC; MYCarriage group. Carriage of upper respiratory tract pathogens in rural communities of Sarawak, Malaysian Borneo. *Pneumonia (Nathan)*. 2021 Apr 25;13(1):6. doi: 10.1186/s41479-021-00084-9. PMID: 33894778; PMCID:

PMC8070298.

Faust SN, Munro APS. It's Time to Put Children and Young People First During the Global COVID-19 Pandemic. *JAMA Pediatr.* 2021 Feb 1;175(2):127-128. doi: 10.1001/jamapediatrics.2020.4582. PMID: 32975576.

Burke H, Freeman A, Cellura DC, Stuart BL, Brendish NJ, Poole S, Borca F, Phan HTT, Sheard N, Williams S, Spalluto CM, Staples KJ, Clark TW, Wilkinson TMA; REACT COVID investigators. Inflammatory phenotyping predicts clinical outcome in COVID-19; *Respir Res.* 2020 Sep 22;21(1):245. doi: 10.1186/s12931-020-01511-z. PMID: 32962703. Faust SN named clinical investigator.

Munro APS, Faust SN. Addendum to: Children are not COVID-19 super spreaders: time to go back to school. *Arch Dis Child.* 2021 Feb;106(2):e9. doi: 10.1136/archdischild-2020-319908. Epub 2020 Jul 20. Erratum for: *Arch Dis Child.* 2020 Jul;105(7):618-619. PMID: 32690579.

Whittaker E, Bamford A, Kenny J, Kafrou M, Jones CE, Shah P, Ramnarayan P, Fraisse A, Miller O, Davies P, Kucera F, Brierley J, McDougall M, Carter M, Tremoulet A, Shimizu C, Herberg J, Burns JC, Lyall H, Levin M; PIMS-TS Study Group and EUCLIDS and PERFORM Consortia. Clinical Characteristics of 58 Children With a Pediatric Inflammatory Multisystem Syndrome Temporally Associated With SARS-CoV-2. *JAMA.* 2020 Jul 21;324(3):259-269. doi: 10.1001/jama.2020.10369. Faust SN named clinical investigator.

Griffin MP, Yuan Y, Takas T, Domachowske JB, Madhi SA, Manzoni P, Simoes EAF, Esser MT, Khan AA, Dubovsky F, Villafana T, DeVincenzo JP; Nirsevimab Study Group. Single-Dose Nirsevimab for Prevention of RSV in Preterm Infants. *N Engl J Med.* 2020 Jul 30;383(5):415-425. doi: 10.1056/NEJMoa1913556. PMID: 32726528. Faust SN, UK Chief Investigator, named member of study group.

Burke H, Freeman A, Cellura DC, Stuart BL, Brendish NJ, Poole S, Borca F, Phan HTT, Sheard N, Williams S, Spalluto CM, Staples KJ, Clark TW, Wilkinson TMA; REACT COVID investigators. Inflammatory phenotyping predicts clinical outcome in COVID-19. *Respir Res.* 2020 Sep 22;21(1):245. doi: 10.1186/s12931-020-01511-z. PMID: 32962703; PMCID: PMC7506817. Faust SN named clinical investigator.

Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P. Surviving Sepsis Campaign International Guidelines for the Management of Septic Shock and Sepsis-Associated Organ Dysfunction in Children. *Pediatr Crit Care Med.* 2020 Feb;21(2):e52-e106. doi: 10.1097/PCC.0000000000002198. PMID: 32032273.

Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P. Executive Summary: Surviving Sepsis Campaign International Guidelines for the Management of Septic Shock and Sepsis-Associated Organ Dysfunction in Children. *Pediatr Crit Care Med.* 2020 Feb;21(2):186-195. doi: 10.1097/PCC.0000000000002197. PMID: 32032264.

Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres P. Surviving sepsis campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children. *Intensive Care Med.* 2020 Feb;46(Suppl 1):10-67. doi: 10.1007/s00134-019-05878-6. PMID: 32030529; PMCID: PMC7095013.

Weiss SL, Peters MJ, Alhazzani W, Agus MSD, Flori HR, Inwald DP, Nadel S, Schlapbach LJ, Tasker RC, Argent AC, Brierley J, Carcillo J, Carrol ED, Carroll CL, Cheifetz IM, Choong K, Cies JJ, Cruz AT, De Luca D, Deep A, Faust SN, De Oliveira CF, Hall MW, Ishimine P, Javouhey E, Joosten KFM, Joshi P, Karam O, Kneyber MCJ, Lemson J, MacLaren G, Mehta NM, Moller MH, Newth CJL, Nguyen TC, Nishisaki A, Nunnally ME, Parker MM, Paul RM, Randolph AG, Ranjit S, Romer LH, Scott HF, Tume LN, Verger JT, Williams EA, Wolf J, Wong HR, Zimmerman JJ, Kissoon N, Tissieres

P. Executive summary: surviving sepsis campaign international guidelines for the management of septic shock and sepsis-associated organ dysfunction in children. *Intensive Care Med.* 2020 Feb;46(Suppl 1):1-9. doi: 10.1007/s00134-019-05877-7. PMID: 32030528.

European Pregnancy and Paediatric HIV Cohort Collaboration (EPPICC) Study Group in EuroCoord. Prevalence and Clinical Outcomes of Poor Immune Response Despite Virologically Suppressive Antiretroviral Therapy Among Children and Adolescents With Human Immunodeficiency Virus in Europe and Thailand: Cohort Study. *Clin Infect Dis.* 2020 Jan 16;70(3):404-415. doi: 10.1093/cid/ciz253. PMID: 30919882.

Chappell E, Lyall H, Riordan A, Thorne C, Foster C, Butler K, Prime K, Bamford A, Peters H, Judd A, Collins IJ; Collaborative HIV Paediatric Study Steering Committee. The cascade of care for children and adolescents with HIV in the UK and Ireland, 2010 to 2016. *J Int AIDS Soc.* 2019 Sep;22(9):e25379. doi: 10.1002/jia2.25379. PMID: 31498566; PMCID: PMC6733246.

Martinon-Torres F, Salas A, Rivero-Calle I, Cebey-Lopez M, Pardo-Seco J, Herberg JA, Boeddha NP, Klobassa DS, Secka F, Paulus S, de Groot R, Schlapbach LJ, Driessen GJ, Anderson ST, Emonts M, Zenz W, Carrol ED, Van der Flier M, Levin M; EUCLIDS Consortium (Faust SN, named collaborator). Life-threatening infections in children in Europe (the EUCLIDS Project): a prospective cohort study. *Lancet Child Adolesc Health.* 2018 Jun;2(6):404-414. doi: 10.1016/S2352-4642(18)30113-5. Epub 2018 Apr 28. PMID: 30169282

Faust SN, Barton S, Rayment C, O'Flynn N. Good outlook for patients with confirmed Lyme neuroborreliosis. *BMJ.* 2018 May 30;361:k2284. doi: 10.1136/bmj.k2284. PMID: 29848745.

Cruikshank M, O'Flynn N, Faust SN; Guideline Committee. Lyme disease: summary of NICE guidance. *BMJ.* 2018 Apr 12;361:k1261. doi: 10.1136/bmj.k1261. PMID: 29650513.

Ostergaard L, Vesikari T, Absalon J, Beeslaar J, Ward BJ, Senders S, Eiden JJ, Jansen KU, Anderson AS, York LJ, Jones TR, Harris SL, O'Neill R, Radley D, Maansson R, Pregaldien JL, Ginis J, Staerke NB, Perez JL; B1971009 and B1971016 Trial Investigators. A Bivalent Meningococcal B Vaccine in Adolescents and Young Adults. *N Engl J Med.* 2017 Dec 14;377(24):2349-2362. doi: 10.1056/NEJMoa1614474. PMID: 29236639. Faust SN named clinical investigator.

Saavedra-Lozano J, Falup-Pecurariu O, Faust SN, Girschick H, Hartwig N, Kaplan S, Lorrot M, Mantadakis E, Peltola H, Rojo P, Zaoutis T, LeMair A. Bone and Joint Infections. *Pediatr Infect Dis J.* 2017 Aug;36(8):788-799. doi: 10.1097/INF.0000000000001635. PMID: 28708801.

Freitag A, Constanti M, O'Flynn N, Faust SN; Guideline Development Group. Suspected sepsis: summary of NICE guidance. *BMJ.* 2016 Aug 11;354:i4030. doi: 10.1136/bmj.i4030. Erratum in: *BMJ.* 2017 Aug 23;358:j3993. PMID: 27514867.

Faust SN, O'Flynn N, Keir C, Allaby M. Authors' reply to Eisenhut *BMJ.* 2016 Nov 2;355:i5787. doi: 10.1136/bmj.i5787. No abstract available. PMID: 27806960

Childs T, Shingadia D, Goodall R, Doerholt K, Lyall H, Duong T, Judd A, Gibb DM, Collins IJ; CHIPS Steering Committee. Outcomes after viral load rebound on first-line antiretroviral treatment in children with HIV in the UK and Ireland: an observational cohort study. *Lancet HIV.* 2015 Apr;2(4):e151-8. doi: 10.1016/S2352-3018(15)00021-1. PMID: 26413561; PMCID: PMC4580991.

Donegan K, Doerholt K, Judd A, Lyall H, Menson E, Butler K, Tookey P, Riordan A, Shingadia D, Tudor-Williams G, Gibb DM, Walker AS; Collaborative HIV Paediatric Study (CHIPS). Lopinavir dosing in HIV-infected children in the United Kingdom and Ireland. *Pediatr Infect Dis J.* 2013 Jan;32(1):45-50. doi: 10.1097/INF.0b013e31827842c9. PMID: 23076384.

Khanna R, Lakhanpaul M, Burman-Roy S, Murphy MS; Guideline Development Group and the technical team. Diarrhoea and vomiting caused by gastroenteritis in children under 5 years: summary of NICE guidance. *BMJ.* 2009 Apr 22;338:b1350. doi: 10.1136/bmj.b1350. No abstract available. PMID: 19386673 Faust SN member of guideline committee.

Faust SN, Pollard AJ, Nadel S, Ninis N, Levin M. Ceftriaxone drug alert: no longer for first line use in meningococcal sepsis. *Arch Dis Child.* 2008 Feb;93(2):184-5. PMID: 18209002.

Goldstein B, Giroir B, Randolph A. International Pediatric Sepsis Consensus Conference: Definitions For Sepsis And Organ Dysfunction In Pediatrics, *Pediatric Critical Care Medicine, Pediatr Crit Care Med.* 2005 Jan; 6(1):2-8, doi:10.1097/01.PCC.0000149131.72248.E6, PMID: 15636651 Faust SN member of guideline committee.

Barton, P, Kalil AC, Nadel S, Goldstein B, Okhuysen-Cawley R, Brill RJ, Takano JS, Martin LD, Quint P, Yeh TS, Dalton HJ, Gessouron MR, Brown KE, Betts H, Levin M, Macias WL, Small DS, Wyss VL, Bates RB, Utterback BG, Giroir BP. Safety, Pharmacokinetics, and Pharmacodynamics of Drotrecogin Alfa (Activated) in Children With Severe Sepsis. *Pediatrics* Vol. 113 No. 1, pp. 7-17, Jan 2004, PMID: 14702440 Faust SN named clinical investigator.

Levin M, Quint PA, Goldstein B, Barton P, Bradley JS, Shemie SD, Yeh T, Kim SS, Cafaro DP, Scannon PJ, Giroir BP. Recombinant bactericidal/permeability-increasing protein (rBPI21) as

adjunctive treatment for children with severe meningococcal sepsis: a randomised trial. rBPI21 Meningococcal Sepsis Study Group. *Lancet* 2000, Sep 16; 356 (9234):961-7, PMID: 11041396 Faust SN named clinical investigator.

3. Review articles

Bont L, Weil Olivier C, Herting E, Esposito S, Navarro Alonso JA, Lega F, Mader S, Morioka I, Shen K, Syrogiannopoulos GA, Faust SN, Bozzola E. The assessment of future RSV immunizations: How to protect all infants? *Front Pediatr.* 2022 Aug 9;10:981741. doi: 10.3389/fped.2022.981741. eCollection 2022. PMID: 36016878

Shaunak M, Byrne CD, Davis N, Afolabi P, Faust SN, Davies JH. Non-alcoholic fatty liver disease and childhood obesity. *Arch Dis Child.* 2021 Jan;106(1):3-8. doi: 10.1136/archdischild-2019-318063. Epub 2020 May 14. PMID: 32409495.

Munro APS, Faust SN. COVID-19 in children: current evidence and key questions. *Curr Opin Infect Dis.* 2020 Dec;33(6):540-547. doi: 10.1097/QCO.0000000000000690. PMID: 33027185.

Munro APS, Faust SN. Children are not COVID-19 super spreaders: time to go back to school. *Arch Dis Child.* 2020 Jul;105(7):618-619. doi: 10.1136/archdischild-2020-319474. Epub 2020 May 5. Erratum in: *Arch Dis Child.* 2021 Feb;106(2):e9. PMID: 32371442.

Azzari C, Diez-Domingo J, Eisenstein E, Faust SN, Konstantopoulos A, Marshall GS, Rodrigues F, Schwarz TF, Weil-Olivier C. Experts' opinion for improving global adolescent vaccination rates: a call to action. *Eur J Pediatr.* 2020 Apr;179(4):547-553. doi: 10.1007/s00431-019-03511-8. Epub 2020 Feb 18. PMID: 32072304

Coughtrie AL, Jefferies JM, Cleary DW, Doncaster CP, Faust SN, Kraaijeveld AR, Moore MV, Mullee MA, Roderick PJ, Webb JS, Yuen HM, Clarke SC. Microbial epidemiology and carriage studies for the evaluation of vaccines. *J Med Microbiol.* 2019 Oct;68(10):1408-1418. doi: 10.1099/jmm.0.001046. PMID: 31418679.

Munro APS, Highmore CJ, Webb JS, Faust SN. Diagnosis and treatment of biofilm infections in children. *Curr Opin Infect Dis.* 2019 Oct;32(5):505-509. doi: 10.1097/QCO.0000000000000582. PMID: 31335442.

Smith WD, Bardin E, Cameron L, Edmondson CL, Farrant KV, Martin I, Murphy RA, Soren O, Turnbull AR, Wierre-Gore N, Alton EW, Bundy JG, Bush A, Connett GJ, Faust SN, Filloux A, Freemont PS, Jones AL, Takats Z, Webb JS, Williams HD, Davies JC. Current and future therapies for *Pseudomonas aeruginosa* infection in patients with cystic fibrosis. *FEMS Microbiol Lett.* 2017 Aug 1;364(14). doi: 10.1093/femsle/fnx121. PMID: 28854668.

Tricarico S, McNeil HC, Cleary DW, Head MG, Lim V, Yap IKS, Wie CC, Tan CS, Norazmi MN, Aziah I, Cheah ESG, Faust SN, Jefferies JMC, Roderick PJ, Moore M, Yuen HM, Newell ML, McGrath N, Doncaster CP, Kraaijeveld AR, Webb JS, Clarke SC. Pneumococcal conjugate vaccine implementation in middle-income countries. *Pneumonia (Nathan).* 2017 Mar 25;9:6. doi: 10.1186/s41479-017-0030-5. PMID: 28702308; PMCID: PMC5471880.

Lund-Palau H, Turnbull AR, Bush A, Bardin E, Cameron L, Soren O, Wierre-Gore N, Alton EW, Bundy JG, Connett G, Faust SN, Filloux A, Freemont P, Jones A, Khoo V, Morales S, Murphy R, Pabary R, Simbo A, Schelenz S, Takats Z, Webb J, Williams HD, Davies JC. *Pseudomonas aeruginosa* infection in cystic fibrosis: pathophysiological mechanisms and therapeutic approaches. *Expert Rev Respir Med.* 2016 Jun;10(6):685-97. doi: 10.1080/17476348.2016.1177460. Epub 2016 May 13. PMID: 27175979.

Brendish NJ, Gbesemete DF, de Graaf H, Edwards CJ, Faust SN. Phase I studies: the role of publicly funded academic-healthcare partnerships. *BMJ.* 2015 Jul 22;351:h3889. doi: 10.1136/bmj.h3889. PMID: 26202793.

de Graaf H, Pai S, Burns DA, Karas JA, Enoch DA, Faust SN. Co-infection as a confounder for the role of *Clostridium difficile* infection in children with diarrhoea: a summary of the literature. *Eur J Clin Microbiol Infect Dis.* 2015 Jul;34(7):1281-7. doi: 10.1007/s10096-015-2367-0. Epub 2015 May 1. PMID: 25926302.

Jauneikaite E, Tocheva AS, Jefferies JM, Gladstone RA, Faust SN, Christodoulides M, Hibberd ML, Clarke SC. Current methods for capsular typing of *Streptococcus pneumoniae*. *J Microbiol Methods.* 2015 Jun;113:41-9. doi: 10.1016/j.mimet.2015.03.006. Epub 2015 Mar 25. PMID: 25819558.

Durando P, Faust SN, Torres A. Immunological Features and Clinical Benefits of Conjugate Vaccines against Bacteria. *J Immunol Res.* 2015;2015:934504. doi: 10.1155/2015/934504. Epub 2015 Aug 18. PMID: 26355657; PMCID: PMC4556328.

Devine VT, Jefferies JM, Clarke SC, Faust SN. Nasopharyngeal Bacterial Carriage in the Conjugate Vaccine Era with a Focus on Pneumococci. *J Immunol Res.* 2015;2015:394368. doi: 10.1155/2015/394368. Epub 2015 Aug 16. PMID: 26351646; PMCID: PMC4553195.

Graaf Hd, Faust SN. Fluarix quadrivalent vaccine for influenza. *Expert Rev Vaccines*. 2015;14(8):1055-63. doi: 10.1586/14760584.2015.1057573. Epub 2015 Jun 22. PMID: 26098443.

Wilkins M, Hall-Stoodley L, Allan RN, Faust SN. New approaches to the treatment of biofilm-related infections. *J Infect*. 2014 Nov;69 Suppl 1:S47-52. doi: 10.1016/j.jinf.2014.07.014. Epub 2014 Sep 17. PMID: 25240819.

de Graaf H, Tebruegge M, Faust SN. Evidence base for the use of corticosteroids in septic shock in children. *Crit Care Med*. 2014 Jan;42(1):e83-4. doi: 10.1097/CCM.0b013e3182a5270c. PMID: 24346552.

Durando P, Faust SN, Fletcher M, Krizova P, Torres A, Welte T. Experience with pneumococcal polysaccharide conjugate vaccine (conjugated to CRM197 carrier protein) in children and adults. *Clin Microbiol Infect*. 2013 Oct;19 Suppl 1:1-9. doi: 10.1111/1469-0691.12320. PMID: 24083785.

Morris O, Tebruegge M, Pallett A, Green SM, Pearson AD, Tuck A, Clarke SC, Roderick P, Faust SN. *Clostridium difficile* in children: a review of existing and recently uncovered evidence. *Adv Exp Med Biol*. 2013;764:57-72. doi: 10.1007/978-1-4614-4726-9_4. PMID: 23654056.

Gladstone RA, Jefferies JM, Faust SN, Clarke SC. Sampling methods for the study of pneumococcal carriage: a systematic review. *Vaccine*. 2012 Nov 6;30(48):6738-44. doi: 10.1016/j.vaccine.2012.08.080. Epub 2012 Sep 12. PMID: 22981760.

Gladstone RA, Jefferies JM, Faust SN, Clarke SC. Pneumococcal 13-valent conjugate vaccine for the prevention of invasive pneumococcal disease in children and adults. *Expert Rev Vaccines*. 2012 Aug;11(8):889-902. doi: 10.1586/erv.12.68. PMID: 23002969.

Faust SN, Clark J, Pallett A, Clarke NM. Managing bone and joint infection in children. *Arch Dis Child*. 2012 Jun;97(6):545-53. doi: 10.1136/archdischild-2011-301089. Epub 2012 Mar 22. PMID: 22440930.

Baguley D, Lim E, Bevan A, Pallet A, Faust SN. Prescribing for children - taste and palatability affect adherence to antibiotics: a review. *Arch Dis Child*. 2012 Mar;97(3):293-7. doi: 10.1136/archdischild-2011-300909. Epub 2011 Nov 16. PMID: 22088684.

Calton EA, Gray JC, Faust SN. Vaccination in the immunocompromised child. *Vaccines in practice*. 2011; 4(3): 4-7.

Jefferies JM, Macdonald E, Faust SN, Clarke SC. 13-valent pneumococcal conjugate vaccine (PCV13). *Hum Vaccin*. 2011 Oct;7(10):1012-8. doi: 10.4161/hv.7.10.16794. Epub 2011 Oct 1. PMID: 21941097.

Gladstone RA, Jefferies JM, Faust SN, Clarke SC. Continued control of pneumococcal disease in the UK - the impact of vaccination. *J Med Microbiol*. 2011 Jan;60(Pt 1):1-8. doi: 10.1099/jmm.0.020016-0. Epub 2010 Oct 21. PMID: 20965923.

Walker WT, Faust SN. Monovalent inactivated split-virion AS03-adjuvanted pandemic influenza A (H1N1) vaccine. *Expert Rev Vaccines*. 2010 Dec;9(12):1385-98. doi: 10.1586/erv.10.141. PMID: 21105775.

Cathie K, Levin M, Faust SN. Drug use in acute meningococcal disease. *Arch Dis Child Educ Pract Ed*. 2008 Oct;93(5):151-8. doi: 10.1136/adc.2007.127696. PMID: 18809693.

Weichert S, Sharland M, Clarke NM, Faust SN. Acute haematogenous osteomyelitis in children: is there any evidence for how long we should treat? *Curr Opin Infect Dis*. 2008 Jun;21(3):258-62. doi: 10.1097/QCO.0b013e3283005441. PMID: 18448970.

Pollard AJ, Nadel S, Ninis N, Faust SN, Levin M. Emergency management of meningococcal disease: eight years on. *Arch Dis Child*. 2007 Apr;92(4):283-6. doi: 10.1136/adc.2006.102384. PMID: 17376933; PMCID: PMC2083684.

Van der Poel LA, Faust SN, Tudor-Williams G. HIV-1 infection in children: current practice and future predictions. *Adv Exp Med Biol*. 2004;549:135-48. doi: 10.1007/978-1-4419-8993-2_19. PMID: 15250526.

Pathan N, Faust SN, Levin M. Pathophysiology of meningococcal meningitis and septicaemia. *Arch Dis Child*. 2003 Jul;88(7):601-7. doi: 10.1136/adc.88.7.601. PMID: 12818907; PMCID: PMC1763171.

Faust SN, Welch S, Modi N. New therapies for treating infections in infants and children. *Current Paediatrics* 2004;14:122-130,

Welch S, Faust SN. Prescribing in children. Diagnosis and treatment of serious infections. *Prescriber* 2002 Feb; 13(4):76-84.

Bernard G, Artigas A, Dellinger P, Esmon C, Faist E, Faust SN, Fischer CJ, Fumagalli R, Grinnell BW, Sprung C. Clinical expert round table discussion (session 3) at the Margaux Conference on Critical Illness: the role of activated protein C in severe sepsis. *Crit Care Med*. 2001 Jul;29(7

Suppl):S75-7. doi: 10.1097/00003246-200107001-00025. PMID: 11445738.

Faust SN, Heyderman RS, Levin M. Coagulation in severe sepsis: a central role for thrombomodulin and activated protein C. Crit Care Med. 2001 Jul;29(7 Suppl):S62-7; discussion S67-8. doi: 10.1097/00003246-200107001-00022. PMID: 11445736.

Faust SN, Heyderman RS, Levin M. Disseminated intravascular coagulation and purpura fulminans secondary to infection. Baillieres Best Pract Res Clin Haematol. 2000 Jun;13(2):179-97. doi: 10.1053/beha.2000.0067. PMID: 10942620.

Pollard AJ, Faust SN, Levin M. Meningitis and meningococcal septicaemia. J R Coll Physicians Lond. 1998 Jul-Aug;32(4):319-28. PMID: 9762624.

Projects

Memberships

NIHR Senior Investigator (1/4/20-31/3/24)
Member of UK COVID-19 RECOVERY trial steering committee
Member of NIHR Health Technology Assessment (HTA) Programme Commissioning Board (2016-)
Chair, UK NICE Guideline Committee for Severe Sepsis (Children & Adults, 2014-6)
Chair, UK NICE Guideline Committee for Lyme Diseases (Children & Adults, 2016-8)
Chair, UK NIHR Paediatric Theme Clinical Speciality Group Chair's Forum.
Wessex Senate and National Paediatric Immunology & Infectious Diseases Representative to NHS England National Commissioning Paediatric Medicine Clinical Reference Group (2012-).
Co-chair, European Medicines Agency Paediatric Network Working Party 6 (2013-7).
NIHR Paediatric Theme Speciality Group Chair for Allergy, Infectious Dis & Immunity.
Co-Chair, European Society for Paediatric Infectious Diseases Scientific Meeting 2016.
Convenor, British Paediatric Allergy, Immunology and Infectious Diseases Group 2011-16.
Royal College of Paediatrics & Child Health - Member
British Paediatric Allergy, Immunology & Infectious Diseases Group - Convenor
Higher Education Academy - Member
European Society of Paediatric Infectious Diseases (ESPID) - Member
ESPID 2016 Annual Meeting Co-Chair
Academic Paediatric Association (Founding Member)
Infectious Diseases Research Network - Steering committee
Children's HIV Association - Member

Other Relevant Information