

Professor Nicholas D Embleton MD BSc (Hons) MBBS (Hons) FRCPCH (UK)

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email: nicholas.embleton@ncl.ac.uk Nationality British Date of Birth 16/04/63Websites: www.neonatalresearch.net
www.neonatalbutterflyproject.org
www.neonatalnutritionnetwork.org**Employment & current appointments**

1. Consultant in Neonatal Paediatrics, Newcastle Hospitals NHS Trust (2003-current)
2. Honorary Professor of Neonatal Medicine, Newcastle University, Newcastle upon Tyne

University degrees & qualifications

- Bachelor of Science (BSc Hons) University of East Anglia, Norwich (1984)
- Bachelor of Medicine, Bachelor of Surgery (MBBS Hons) Newcastle University (1990)
- Doctor of Medicine (MD commendation) Newcastle University (2002)

Leadership & other academic roles

- Member, Data Monitoring Committee DRI trial (2013-2015)
- Member, Trial Steering Committee GRACES (2015-2018)
- Chair, Data Monitoring Committee PREVAIL (2015-2018)
- Elected member, Nutrition Committee, ESPR (2013-2017)
- Elected member, Committee of Nutrition, EPSGHAN (2014-2020)
- Chair, UK Neonatal Nutrition Network (N3) (2015-2021)
- Editor, *Pediatric Research* (2016-2022)
- Medical Editor, *Infant* (2014-2021)
- Regular reviewer for major international journals (Publons ID [D-4905-2011](#))
- Local lead PI for multiple NIHR trials: BOOST II UK, I2S2, ADEPT, SIFT, ELFIN etc.
- Invited speaker at >50 international conferences & scientific meetings

Postgraduate examination & supervision

- Postgraduate supervision: completed/current: MD (5/3), PhD (1/1), Masters (2/0)
- External examiner for 9 PhD/MDs

Recent /active research Grants

Title	Role, funding agency & year	Award
Enteral Lactoferrin in Neonates (ELFiN)	Co-applicant (McGuire, NPEU) HTA (NIHR) 2012-2017	£2,900,000
Speed of Increases in Feeds Trial (SIFT)	Co-applicant (Dorling, NPEU) HTA (NIHR) 2012-2018	£2,723,826
MRI to enhance diagnosis of fetal brain abnormalities (MERIDIAN)	Co-applicant (Griffiths, Sheffield) HTA (NIHR) 2015-2018	£298,632
Mechanisms affecting the gut of preterm infants in enteral feeding trials (MAGPIE)	CI EME (NIHR) 2015 - 2018	£499,000
Interactions between the diet and nutrition and growth outcomes (INDIGO)	CI Prolacta Biosciences US 2017-2021	£806,000
Improving the survival, growth and development of low birth weight newborns through better nutrition	Co-applicant (Allen) Medical Research Council (2018-2019) Pump-priming award	£214,000
Feeding in Late and Moderately Preterm infants Nutrition and Growth (FLAMINGO)	CI Danone Early Life Nutrition (2018-2022)	£506,000
Bacteriophage in breastmilk study (BiBS)	Co-applicant (Smith) Action Medical Research (2019-2021)	£180,000
A randomised controlled trial of supplemental probiotics in preterm infants in sub-Saharan Africa	Co-applicant (Tongo) Medical Research Council (2019-2022)	£186,372

NDE

Embleton – selected publications 2019-2020

1. Hart AR, Embleton ND, Bradburn M, et al. Accuracy of in-utero MRI to detect fetal brain abnormalities and prognosticate developmental outcome *Lancet Child Adolesc Health* 2020;4(2):131-140.
2. Odeniyi AO, Embleton N, Ngongalah L, Akor W, Rankin J. Breastfeeding beliefs and experiences of African immigrant mothers in high-income countries: A systematic review. *Matern Child Nutr* 2020.
3. Hart A, Embleton N, Mooney C, Bradburn M, Griffiths PD. Variation in prognosis given by feto-maternal units in fetuses with neurological abnormalities. *Arch Dis Child* 2020;105(1):F109-F110.
4. McCay KD, Ho ESL, Shum HPH, Fehringer G, Marcroft C, Embleton ND. Abnormal Infant Movements Classification with Deep Learning on Pose-Based Features. *IEEE Access* 2020;8:51582-51592.
5. Young GR, Van Der Gast CJ, Smith DL, Berrington JE, Embleton ND, Lanyon C. Acquisition and Development of the Extremely Preterm Infant Microbiota Across Multiple Anatomical Sites. *J Pediatr Gastroenterol Nutr* 2020;70(1):12-19.
6. Fenton TR, Cormack B, Goldberg D, et al. “Extrauterine growth restriction” and “postnatal growth failure” are misnomers for preterm infants. *J Perinatol* 2020.
7. Embleton ND, van den Akker CHP. Protein intakes to optimize outcomes for preterm infants. *Semin Perinatol* 2019;43(7).
8. Dorling J, Abbott J, Berrington J, et al. Controlled trial of two incremental milk-feeding rates in preterm infants. *New Engl J Med* 2019;381(15):1434-1443.
9. Ng DHC, Klassen JRL, Embleton ND, McGuire W. Protein hydrolysate versus standard formula for preterm infants. *Cochrane Database Syst Rev* 2019;2019(7).
10. Quigley M, Embleton ND, McGuire W. Formula versus donor breast milk for feeding preterm or low birth weight infants. *Cochrane Database Syst Rev* 2019;2019(7).
11. Walsh V, Brown JVE, Askie LM, Embleton ND, McGuire W. Nutrient-enriched formula versus standard formula for preterm infants. *Cochrane Database Syst Rev* 2019;7:CD004204.
12. de Waard M, Li Y, Zhu Y, Ayede AI, et al. Time to Full Enteral Feeding for Very Low-Birth-Weight Infants Varies Markedly Among Hospitals Worldwide But May Not Be Associated With Incidence of Necrotizing Enterocolitis: The NEOMUNE-NeoNutriNet Cohort Study. *J Parenter Enter Nutr* 2019;43(5):658-667.
13. Menon G, Davidson AL, Drake AJ, Embleton ND. Is preterm nutrition a trade-off between head and heart? *Arch Dis Child Fetal Neonatal Ed* 2019;104(3):F232-F234.
14. Ellis Z-, Tan HSG, Embleton ND, Sangild PT, Van Elburg RM. Milk feed osmolality and adverse events in newborn infants and animals: A systematic review. *Arch Dis Child* 2019;104(3):F333-F340.
15. Griffiths J, Jenkins P, Vargova M, Bowler U, Juszczak E, King A, et al. Enteral lactoferrin supplementation for very preterm infants: a randomised placebo-controlled trial. *Lancet* 2019;393(10170):423-433.