

Liverpool Clinical PhD Programme for Health Priorities in the Global South – Primary Supervisor pool for Fellowships commencing September 2023

Name	Email	Position	Organisation	Research areas/ project themes willing to supervise
Uazman Alam	ualam@liverpool.ac.uk	Senior Clinical Lecturer/Honorary Consultant Physician	University of Liverpool	<p>Dr Alam is Senior Clinical Lecturer and Honorary Consultant Physician in Endocrinology at the University of Liverpool. He completed his PhD in diabetic neuropathy in 2014 at the University of Manchester before joining the University of Liverpool in 2017 in a senior academic role. His past work has evaluated the role of vitamin D in relation to pain and the utility of novel surrogate markers in small fibre neuropathy.</p> <p>Dr Alam's current work is focused on diabetes complications and biomarker development and the development of corneal confocal microscopy including artificial intelligence algorithms for the early diagnosis of diabetic neuropathy and small fibre pathology in chronic pain syndromes including fibromyalgia.</p> <p>Dr Alam has published in over 80 pubmed-cited manuscripts and in many high impact factor journals.</p> <p>Potential project topics: Diabetic complications including cardiovascular disease, neuropathy, retinopathy, nephropathy and neuropathic pain in diabetic and HIV neuropathy</p>
Kate Baker	Kate.Baker@liverpool.ac.uk	Wellcome Trust Clinical Research Career Development Fellow and Honorary Senior Lecturer	University of Liverpool	<p>Microbial genomic epidemiology and antimicrobial resistance.</p> <p>Genomic epidemiology of bacterial pathogens and antimicrobial resistance.</p>
David Barr	dbarr@liverpool.ac.uk	1. Clinical lecturer 2. Honorary research associate	1. University of Liverpool 2. University of Cape Town	Severe HIV-associated tuberculosis, bloodstream infection, sepsis
Imelda Bates	imelda.bates@lstmed.ac.uk	Professor of Clinical Tropical Haematology Head, Centre for Capacity Research	Liverpool School of Tropical Medicine	Haematology/transfusion in LMIC Research systems/capacity
Matthew Baylis	Matthew.Baylis@liverpool.ac.uk	Chair of Veterinary Epidemiology; Exec Dean of IVES	University of Liverpool	<p>Vector Borne Disease, One Health, arboviruses, climate-health</p> <p>One Health; infectious disease epidemiology; climate change and health; vector-borne disease</p>
Nicholas Beare	nbeare@liverpool.ac.uk	Senior Lecturer	University of Liverpool	Malarial and Ebola retinopathy, uveitis, age-related macular degeneration, diabetic retinopathy. I would be happy to supervise clinical, epidemiological or imaging projects within my research themes particularly those addressing problems of eye health in LMICs, and also unmet needs in UK with regard to uveitis, AMD, macular disease and DR, and ocular manifestations of systemic disease (or disease risk).

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Giancarlo Biagini	giancarlo.biagini@lstmed.ac.uk	Head of Department, Tropical Disease Biology	Liverpool School of Tropical Medicine	Malaria, Tuberculosis, AMR, Biochemistry, Pharmacology, Drug resistance, Drug Discovery Therapeutics discovery, mechanisms of drug resistance and infection pharmacology of Malaria, TB, SARS-CoV-2 and intracellular pathogens (e.g. Neisseria gonorrhoeae) and development of enabling platforms e.g. infection-organoid models and TB human challenge model
Peter Bridge	pete.bridge@liverpool.ac.uk	Senior Lecturer	University of Liverpool	Pete is a clinical academic Therapeutic Radiographer with expertise in CT and MR image analysis, 3D visualisation, health professional education, mental wellbeing and especially virtual reality and simulation. He is particularly interested in the intersection between technology and clinical practice and is experienced in novel application development and evaluation in both clinical and educational practice, encompassing both quantitative and qualitative study design.
Philip Burgess	Philip.Burgess@liverpool.ac.uk	Senior Lecturer in Eye and Vision Science	University of Liverpool	Retinal vascular disease; health services research; global ophthalmology My research focus is on the development and evaluation of complex interventions and conduct of clinical and surgical trials. My research is translational, global and applied to retinal diseases. I am developing a programme of health services research both in Liverpool and with collaborators in low and middle-income countries.
Enitan Carrol	Edcarrol@liverpool.ac.uk	Professor of Paediatric Infection	University of Liverpool	Professor Carrol's research interests include bacterial infections in children, biomarker diagnostic accuracy studies, and early warning scores for early recognition of deterioration. She has over 20 years' experience of clinical research in hospitalised children with infections, both in the UK and in Malawi.
Nicholas Casewell	nicholas.casewell@lstmed.ac.uk	Chair of Tropical Disease Biology	Liverpool School of Tropical Medicine	Snakebite, antivenom, venom, molecular biology, immunology, pharmacology Biomedical, preclinical and clinical research relating to tropical snakebite. Particular interest relating to the varying pathophysiology presenting in African snakebite victims, and clinical trials relating to novel antibody or small molecule-based therapeutics.
Esmita Charani	e.charani@liverpool.ac.uk	Reader in AMR and Global Health	University of Liverpool, University of Cape Town (Hon. Associate Professor)	Antimicrobial Resistance, Social Sciences, Infection Prevention and Control, Antimicrobial Stewardship, Global Health Implementation of infection prevention and control and antimicrobial stewardship in high-, low-, and middle-income countries, social science research and behaviour change in healthcare settings, decision support systems in healthcare, pharmacy practice, infectious diseases and population health inequities

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Gemma Cherry	gcherry@liv.ac.uk	Lecturer in Clinical Health Psychology; Honorary Clinical Psychologist (physical health)	University of Liverpool	<p>Gemma brings expertise in evidence synthesis, qualitative and quantitative methodology and conducts research with two broad focuses.</p> <p>i) Decision-making and clinical communication</p> <p>This theme includes research exploring decision-making, including how and why patients make ethically-challenging decisions and decisions about controversial health technologies. It also encompasses research designed to understand how patients make decisions about treatment options or participation in clinical trials, and therefore how communication can be enhanced to optimise patient experience. Gemma is currently leading a nested qualitative study within a NIHR-funded study looking at promoting exercise in patients with head and neck cancer.</p> <p>ii) Development and evaluation of trans-diagnostic psychological interventions for patients with chronic physical health conditions</p> <p>This programme of research investigates the ‘fit’ of a transdiagnostic models of psychopathology to understanding emotional distress experienced by patients with physical health conditions, including cancer, chronic pain, epilepsy and diabetes. Current projects include a national Intensive Care Society Young Investigator funded study examining predictors of depression, anxiety and trauma symptoms in adult survivors of an intensive care admission due to COVID-19.</p>
Martha Chinouya	Martha.Chinouya@lstmed.ac.uk	Senior Lecturer in Global Health	Liverpool School of Tropical Medicine	<p>Qualitative approaches, ethnography, social sciences, medicines, respiratory health, sexual health, health systems, communities, gender, maternal health, rights, childhoods,</p> <p>I am prepared to supervise studies that use qualitative methodologies/methods, focusing on a wide range of issues in global health</p>
Jen Cornick	j.cornick@liv.ac.uk	Tenure Track Research Fellow	University of Liverpool	<p>Microbial genomic epidemiology, bacteriology, strengthening lab capacity, antimicrobial resistance.</p> <p>Head of the Genomic Epidemiology and Antimicrobial resistant Microbe Group at MLW. Based in Malawi F/T</p>
Nigel Cunliffe	nigelc@liverpool.ac.uk	Professor of Medical Microbiology and Director, NIHR Health Protection Research Unit in Gastrointestinal Infections	University of Liverpool	<p>Gastrointestinal Infections</p> <p>I am a medical microbiologist with interest in paediatric gastrointestinal infections and their prevention by vaccination. Current work focuses on rotavirus and Shigella.</p>

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Christopher Darlow	cdarlow@liverpool.ac.uk	Academic Clinical Lecturer in Antimicrobial Pharmacology	University of Liverpool	Combination antimicrobials, PK/PD, AMR, antimicrobials in special populations
Geraint Davies	gdavies@liverpool.ac.uk	Professor of Infection Pharmacology	University of Liverpool	<p>TB, HIV, PK-PD, Clinical Trials</p> <p>My expertise is in pharmacology, clinical trials and evidence synthesis in drug-sensitive and drug-resistant tuberculosis. I have supervised several projects involving pharmacokinetics-pharmacodynamic approaches to optimising treatment, developing novel sputum biomarkers of response and pragmatic trials of clinical and community-based interventions.</p>
Nicola Desmond	nicola.desmond@lstmed.ac.uk	Reader in Medical Anthropology & Global Health	Liverpool School of Tropical Medicine	<p>Anthropology; SRH; Risk; Trust; Acceptability; Vaccines; Treatment seeking; health systems; mixed methods; community engagement; bioethics; gender; behaviour change; evaluation methods</p> <p>Nicola Desmond is a Reader in Medical Anthropology and Global Health at Liverpool School of Tropical Medicine. She has extensive experience in mixed methods research, innovative methodologies for community and hospital-based research, theory driven behaviour change, health systems research, digital health and health technologies, process and impact evaluation, HIV testing and prevention, sexual and reproductive health, community engagement and bioethics, social empowerment and social networks, risk, acceptability and gender including key populations and intimate partner violence. She is happy to supervise projects related to any of these areas and across different geographical locations.</p>
Graham Devereux	graham.devereux@lstmed.ac.uk	Professor Respiratory Medicine	Liverpool School of Tropical Medicine	Graham has established research interest in the early life influences on the life course of respiratory disease. He has identified associations between childhood asthma and maternal diet during pregnancy, fetal growth patterns and parental occupation. Graham is interested in supervising projects focused on respiratory health.
Sarah Donegan	donegan@liv.ac.uk	Lecturer in Health Data Science	University of Liverpool	<p>Clinical trials, meta-analysis, systematic reviews, statistics.</p> <p>I am a statistician and have been involved in various types of data analysis. My research mainly focuses on systematic reviews in health care in terms of methods development and applications. I have wide experience of reviews of diagnostic tests and interventions. My research expertise lies in individual patient data and network meta-analysis, and exploration of heterogeneity and inconsistency in meta-analysis. However, I am interested in many aspects of reviews and trials.</p>

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Nicholas Evans	N.J.Evans@liverpool.ac.uk	Senior Lecturer	University of Liverpool	Nick Evans has interests in important pathogenic spirochetes including Leptospira, Treponema and Borrelia. Current funded research projects focus on leptospirosis vaccine development and treponemes responsible for digital dermatitis in cattle. These studies include investigations into spirochete genomics and proteomics (PLoS Pathog. 2021 Mar 29;17(3):e1009464) spirochete survival in the environment, bacterial molecular epidemiology and transmission (Appl Environ Microbiol. 2016 Jul 15;82(15):4523-4536). Further interests include understanding how spirochetes attach and cause damage to their host during disease (Front Cell Infect Microbiol. 2021 Jan 8;10:538591, Infect Immun. 2020 Apr 20;88(5):e00050-20). Can supervise a variety of projects with relevance to infection biology, host:pathogen interaction, vaccine development, diagnostics and pathogen characterisation.
Nicholas Feasey	nicholas.feasey@lstmed.ac.uk	Professor	Liverpool School of Tropical Medicine	AMR, Invasive Salmonella disease, bloodstream infection Antimicrobial resistance, bloodstream infection, infection prevention and control, environmental surveillance, microbial genomics, clinical infectious diseases and medical microbiology
Eric Fevre	efevre@liverpool.ac.uk	Professor of Veterinary Infectious Diseases	University of Liverpool	Epidemiology of emerging/re-emerging diseases I am a non-clinical epidemiologist and my group is engaged in research on zoonoses and emerging diseases in eastern and southern Africa. This includes studies on the epidemiology of parasites, vectors, viruses, bacteria and the populations affected by them. I am keen to hear from self-motivated potential students with aligned interests.
Neil French	french@liverpool.ac.uk	Professor of Infectious Diseases and Global Health	University of Liverpool	Respiratory infections and the use of vaccines. I have supervised work in both adults (including pregnant women) and children. I am a clinical epidemiologist who integrates appropriate laboratory activity when required for epidemiology or mechanistic understanding. Current research is; on understanding the limitations of pneumococcal vaccine use in African populations affected by HIV; epidemiology of other streptococcal infections and the role of vaccines for their control, in particular Group B streptococcus; developing a novel vaccine for Zika virus In early phase trials; improving the measurement of effectiveness and impact of vaccines; identifying and quantifying vaccine preventable disease in neonates.

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Melissa Gladstone	melglad@liverpool.ac.uk	Professor in Neurodevelopmental Paediatrics and International Child Health	University of Liverpool	<p>Child health, Child Development, Neuroscience, Child disability, epidemiology and health systems research</p> <p>Melissa Gladstone is a professor in International Child Health and Neurodevelopmental Paediatrics. She is particularly interested in research on child health and development and has a focus on early child development and neurodevelopmental outcomes in children who have been affected by antenatal, perinatal or postnatal adversities and insults. She also specifically promotes research in child disability. She has supported research in child nutrition and infection particularly when associated with developmental outcomes. Presently she has 3 major grants in Malawi with cohorts of children being followed up with regards to health, nutrition, neurodevelopment, cognition, EEG, eye tracking and MRI from 0-6 years of age as well as some cohorts in Uganda, Kenya and Gambia. These studies may be an excellent platform for further work to be undertaken at these sites. Professor Gladstone has expertise in research on validation of outcome measures, systematic reviews, qualitative research, health systems and epidemiological research and can support students within these areas.</p>
Melita Gordon	magordon@liverpool.ac.uk	Professor of Gastroenterology	University of Liverpool	<p>Invasive Salmonella disease, enteric and hepatic pathogens</p> <p>Melita leads the Vaccine theme at MLW</p> <p>Invasive Salmonella disease (NTS and typhoid)</p> <p>Vaccine field epidemiology, immunogenicity, efficacy and impact studies</p> <p>Cellular and humoral immune responses to Salmonella infection and vaccination</p> <p>Pathogen genomics and evolution</p> <p>Gut health, microbiota and immune responses to disease and vaccination</p> <p>Tropical Gastroenterology</p>
Stephen Gordon	sgordon@mlw.mw	Professor in Respiratory Medicine	Liverpool School of Tropical Medicine	<p>Stephen Gordon was Director of the Malawi Liverpool Wellcome Clinical Research Programme (MLW) from 2015-2022. The programme thrived during this period, growing to host over 100 clinical studies, 750 staff, 120 postgraduate students and to become the largest research institute in Malawi. As Director, Stephen promoted a culture of excellent translational research, research training, and wide public engagement. He recruited senior scientists to Malawi and nurtured a supportive environment in which junior researchers, particularly Malawians, could plan a career from intern to independent investigator.</p> <p>Stephen has conducted clinical and translational research since 1993 – his research in pulmonary disease in Africa began in 1996. His initial research focus was on HIV-associated lung macrophage functional defects, specifically against pneumonia. He subsequently expanded his interest to include the effect of household air pollution on pulmonary defence including a landmark cook stove intervention trial published in Lancet. During COVID times in Malawi, he and others brought an oxygen plant to QECH, saving many lives now and in the future. His current research focuses on</p>

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Simon Graham	simon.graham@lstmed.ac.uk	Senior lecturer orthopaedic surgery	Liverpool School of Tropical Medicine	<p>Global Orthopaedic Surgery</p> <p>Mr Simon Graham is a Limb Reconstruction Surgeon and Clinical Senior Lecturer at the University of Liverpool and Liverpool School of Tropical Medicine. His research focuses on developing global orthopaedic and trauma research in low-income countries and is happy to supervise projects in this area.</p>
Mike Griffiths	griffmj@liverpool.ac.uk	Reader / Honorary Paediatric Neurology Consultant	University of Liverpool	<p>My research interests involve in paediatrics, neurology and infection, with a focus on brain infections, and insults impacting on brain function. Our main aim is to improve diagnosis, treatment and management of infection, with a focus on brain infections (UK and world-wide).</p> <p>We are interested in the host responses to severe infection and brain damage, with a focus on identifying diagnostic and prognostic markers.</p> <p>We use transcriptomic and proteomic approaches to explore these responses, in neonate, child and adult patient populations.</p> <p>Clinical PhD students (previous and ongoing) have explored the aetiology and mechanisms underlying hospital attendance for suspected brain infections or impaired consciousness in neonates, children and adults in Malawi and other overseas units (e.g. Vietnam and Brazil).</p> <p>Happy to consider further projects around infection and/or brain impairment.</p>
Jay Hinton	jay.hinton@liverpool.ac.uk	Professor of Microbial Pathogenesis	University of Liverpool	<p>Jay Hinton joined the University of Liverpool in 2012 as the Professor of Microbial Pathogenesis.</p> <p>Jay's research group is using functional genomics to understand how new Salmonella pathovariants are causing endemic bloodstream infections across sub-Saharan Africa. This disease, iNTS, has killed around 500,000 people over the past decade. In 2018, they identified a specific genetic change, or single-nucleotide polymorphism (SNP), that helps one of the African Salmonella clades to survive in the human bloodstream. Jay's group recently discovered the evolutionary path taken by Salmonella over 50 years of human infections in Africa, and revealed the landmark genetic events responsible for shaping the phenotype of the pathogen.</p> <p>The Hinton lab is currently using a combination of RNA-seq-based transcriptomics, Tn-Seq/ TraDIS and experimental evolution to understand the infection biology of the dangerous African Salmonella pathovariants during infection of human macrophages.</p>

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				The underlying theme of current research is to understand the intricate interplay of gene function that leads to bacterial disease, to pave the way for new antibiotics and vaccines.
Julian Hiscox	julianh@liverpool.ac.uk	Chair in Infection and Global Health	University of Liverpool	Julian has expertise in viruses including SARS-CoV-2, MERS-coronavirus and Ebola virus. His group uses sequencing/proteomics/machine learning to analyse clinical samples from people and animal models to determine viral evolution, the microbiome and the host response. He leads a \$9M US Food and Drug Administration award investigating medical countermeasures to severe coronavirus infection. His laboratory consists of 6 PDRAs and 10 PhD students and is vibrant and well supported environment for PhD studies.
William Hope	hopew@liverpool.ac.uk	Professor	University of Liverpool	The Antimicrobial Pharmacodynamics and Therapeutics laboratory focusses on AMR, antimicrobial drug development and antimicrobial therapeutics in wide range of patient groups, special populations and clinical contexts.
Andrew Jackson	A.P.Jackson@liverpool.ac.uk	Reader in Infection Biology	University of Liverpool	Evolutionary genomics of unicellular parasites/trypanosomatids/antigenic variation Genomic analysis of trypanosomiasis, leishmaniasis or malaria.
Kondwani Jambo	Kondwani.Jambo@lstmed.ac.uk	Senior Lecturer	Liverpool School of Tropical Medicine	I am a mucosal and viral immunologist with a strong interest in understanding immune responses in mucosal tissues including nasal, lung and gut. I am happy to supervise projects that focus on natural and/or vaccine induced immunity to mucosal pathogens. Currently, my group is working on understanding the interplay between natural- and vaccine-induced immunity against SARS-CoV-2 in sub-Saharan African populations, with an aim of optimising vaccination strategies in low COVID-19 vaccine coverage settings.
Aras Kadioglu	ak68@liverpool.ac.uk	Professor of Bacterial Pathogenesis	University of Liverpool	I head the Bacterial Pathogenesis and Immunity Group in the Department of Clinical Infection, Microbiology & Immunology at the University of Liverpool. My area of expertise is in host pathogen interactions, in particular, cellular immunity to respiratory pathogens including Streptococcus pneumoniae and Pseudomonas aeruginosa and bacterial co-infections with RSV and Influenza virus. I also work on the development of novel anti-bacterial therapeutics and new vaccines through the Liverpool Centre for Global Vaccine Research, which I am Co-Director. I can offer projects on pneumococcal and P. aeruginosa infection, bacterial-viral coinfections, and vaccine immunology.
Saye Khoo	khoo@liverpool.ac.uk	Professor	University of Liverpool	Infection therapeutics, antiviral (HIV and COVID-19) therapy, TB therapy. We are interested in developing research projects in infection pharmacology. These include proof-of-concept PK-PD studies of drug efficacy in HIV, TB or emerging viral infections, as well as the study of complex therapy (eg TB-HIV co-infection). The group has an established interest in characterising the pharmacology of drugs in pregnancy and breastfeeding, as well as in prevention (PreP and PMTCT) through leading the DolPHIN consortium, and characterisation of drug exposure in breast milk, genital secretions and other body fluids/tissues.

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Ciara Kierens	ciarak@liverpool.ac.uk	Professor in Social Anthropology	University of Liverpool	Social Anthropologist with a focus on medical anthropology and global health. I'm interested in supervising projects focused on chronic disease emergence in the context of environmental harm and unsafe labour – e.g Chronic Kidney Disease of Nontraditional Origin (CKDnt); transplant medicine in global health context; Latin American Health Systems; Political Economy of Health and Welfare. I'm also interested in study ethnographic and narrative based research.
David Lalloo	david.lalloo@lstmed.ac.uk	Director, LSTM	Liverpool School of Tropical Medicine	HIV/cryptococcal disease/meningitis/malaria/envenoming/clinical trials Clinical and epidemiological studies of bacterial and cryptococcal meningitis in LMIC. Clinical and epidemiological studies of malaria Snakebite
Tina Lavender	Tina.lavender@lstmed.ac.uk	Professor of Maternal and Newborn Health	Liverpool School of Tropical Medicine	Maternal and newborn health (midwifery) I lead a programme of research, around the prevention and management of stillbirth and neonatal death, which incorporates multiple topic areas including antenatal access, intrapartum care, bereavement care, the sick neonate, respectful maternal and newborn care, adolescent experiences of pregnancy and birth and obstetric fistula. My methodological expertise includes systematic reviews and meta-syntheses, clinical trials, mixed-methods research, qualitative inquiry, and participatory action research.
David Lissauer	david.lissauer@liverpool.ac.uk	NIHR Professor of Global Maternal and Fetal Health	University of Liverpool	Global maternal and fetal health David Lissauer is an NIHR Professor of Global Maternal Health. He is based at the Malawi-Liverpool-Wellcome Trust in Blantyre, Malawi. His group is engaged in a broad range of clinical research, ranging from implementation science and national surveillance of adverse maternal outcomes, to multi-country clinical trials and laboratory studies of infection and immunity. David and the post-docs in the team are happy to supervise any researchers passionate about improving maternal health in Malawi and other low resource settings.
Peter MacPherson	peter.macpherson@lstmed.ac.uk	Wellcome Trust Clinical Research Career Development Clinical Research Fellow & Reader Honorary Professor of Population Health	Liverpool School of Tropical Medicine	Population health Peter MacPherson is a Public Health Academic Physician, experienced in implementing large epidemiological studies and randomised controlled trials in sub-Saharan Africa. He is happy to support epidemiological studies investigating TB and HIV and other public health priority diseases, particularly those that evaluate interventions to improve care, treatment and preventions.

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Webster Mavhu	webster.mavhu@lstm.ac.uk	Senior Lecturer in Global Health and Social Science	Liverpool School of Tropical Medicine	<p>Social science, Global Health, qualitative, implementation research</p> <p>I have complementary expertise in Anthropology, Social science and Global Public Health. I am prepared to supervise projects with a Global/Public health focus which utilise qualitative, participatory or descriptive quantitative methodologies.</p>
Paul McNamara	mcnamp@liverpool.ac.uk	Professor of Child Health	University of Liverpool/ Alder Hey	<p>Paediatric respiratory disease, specifically CF/ bronchiolitis/ respiratory viral infection/ host immune response</p> <p>Paul McNamara was a Wellcome funded intermediate clinical fellow and is now an academic respiratory paediatrician based in the Institute in the Park (University of Liverpool) at Alder Hey Children’s Hospital. His main research interests include childhood viral respiratory disease (particularly bronchiolitis), asthma, cystic fibrosis, and respiratory disease in children with complex needs. Much of his work is funded by NIHR. His current students use qualitative methods (mixed methods approaches, Delphi etc), systematic reviews, AI and lab based techniques (cell culture of primary epithelial cells, proteomics etc) in their research’.</p>
Abi Merriel	abi.merriel@liverpool.ac.uk	Senior Clinical Lecturer and Honorary Consultant in Obstetrics		<p>Quality of maternity care, global women’s health, improving perinatal outcomes, improving birth experience and preparedness.</p> <p>I am interested in global women’s health and improving pregnancy outcomes and experience in both the UK and globally. I have recently had a focus on antenatal care, to improve quality of services in Nepal. I have also refined and implemented complex interventions targeted at improving quality of care and experience of maternity staff in Malawi and Zimbabwe. I would be happy to supervise projects across the breadth of maternity care.</p>

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Benedict Michael	Benedict.Michael@liverpool.ac.uk	Professor and Director of the Infection Neuroscience Lab	University of Liverpool	<p>Brain Infections</p> <p>My interest is host-pathogen interactions in encephalitis, studying neuroimmune processes including cytokine networks, leucocyte migration and blood-brain barrier pathophysiology. I study predominantly viral infections including HSV and SARS-CoV2.</p> <p>I supervise projects ranging from analysis of clinical samples and neuroimaging through to in vitro and in vivo modelling. I also study the neurological, cognitive, and psychiatric sequelae following encephalitis.</p> <p>My group translate our findings into meaningful advances in patient care both in the UK and globally. I am vice-Chair of the Encephalitis Society, co-Chair of the COVID-19 Global NeuroResearch Coalition, and sit on the WHO Acute Care TaskForce for Neurological complications of COVID-19.</p>
Tracey Mills	Tracey.Mills@lstmed.ac.uk	Senior Lecturer International Public Health, LSTM, midwife by clinical background	Liverpool School of Tropical Medicine	<p>My current research focuses around prevention and care after stillbirth and neonatal death in LMICs including sub Saharan Africa and South Asia, I am particularly interested in bereavement care, antenatal and intrapartum access and quality, respectful maternal and newborn care and parental involvement in the care of sick newborns. My research expertise is in applied health research including qualitative and mixed methods exploratory studies including metasynthesis, participatory methods and clinical trials.</p>
Siobhan Mor	Siobhan.Mor@liverpool.ac.uk	Reader in One Health	University of Liverpool	<p>Zoonoses, One Health, emerging infectious diseases, global health security</p> <p>I'm an infectious disease epidemiologist with a background in both veterinary medicine and public health. My research focusses on operationalising One Health approaches to address endemic and emerging diseases, particularly in Africa. I am based in Ethiopia but have supervised projects in Tanzania, Uganda, and Somalia.</p>
Henry Mwandumba	Henry.Mwandumba@lstmed.ac.uk	Professor of Immunology & Infectious Diseases	Liverpool School of Tropical Medicine	<p>Infection Immunology</p> <p>I am a Clinician Scientist (General and Infectious Disease physician) based at the Malawi Liverpool Wellcome Clinical Research Programme in Blantyre, Malawi. My research focuses on understanding the impact of HIV on respiratory and vascular immunology, and propensity for HIV-associated respiratory and vascular complications. I have particular interests in Tuberculosis immunology, alveolar macrophage and T cell biology, Intra-pulmonary pharmacokinetics of anti-TB and anti-retroviral drugs, host-directed therapeutics for TB and HIV-related cerebrovascular and cardiovascular complications. Additionally, I conduct translational research to improve the treatment and outcomes of HIV-associated cryptococcal meningitis. I have a broad range of clinical and laboratory expertise.</p>

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Dan Neill	D.Neill@liverpool.ac.uk	Senior Lecturer, Wellcome and Royal Society Sir Henry Dale Fellow	University of Liverpool	Microbiology - Bacterial pathogens of the respiratory tract My lab studies bacterial pathogens that are responsible for acute and chronic infections of the respiratory tract, with a major focus on Streptococcus pneumoniae and Pseudomonas aeruginosa. We have interests in bacterial virulence traits, antimicrobial resistance and the development of novel diagnostics and therapeutics and would be happy to support projects in these areas. Projects would typically involve laboratory studies, utilising in vitro and in vivo infection models, together with bioinformatic approaches used to dissect responses of pathogen and host.
Louis Niessen	louis.niessen@lstmed.ac.uk	Chair and Professor (International Public Health)	Liverpool School of Tropical Medicine	Health Economics
Steve Patterson	S.Paterson@liverpool.ac.uk	Professor of Genetics	University of Liverpool	Genomics of infectious disease My research uses genomic and bioinformatic methods to understand pathogen genomes, evolution and transmission. I work on a number of systems, including SARS-CoV2, Pseudomonas and Fasciola. Projects would typically involve developing skills to generate or analyse large genomic datasets. I have an interest in using these methods, coupled with underlying theory on pathogen evolution, to predict the emergence of antimicrobial resistance and consequent treatment failure in chronic lung infections, the use of environmental monitoring of pathogens to inform public health and the transmission risk from zoonotic pathogens.
Joanne Patterson	Joanne.patterson@liverpool.ac.uk	Professor of Speech & Language Therapy	University of Liverpool	Swallowing, voice and communication difficulties Head and neck cancer Jo is a clinical academic Speech and Language Therapist with expertise in voice and swallowing dysfunction, treatment and assessment; head and neck cancer. She is experienced in complex intervention development and evaluation in prehabilitation and rehabilitation, multiple methods, quantitative and qualitative study design
Fraser Philip	f.philp@liverpool.ac.uk	Lecturer	University of Liverpool	I am a clinical academic with research interests in applied clinical rehabilitation, biomechanics and control of human movement. Originally trained as a clinical physiotherapist, I completed my PhD at Keele University and have gone on to further develop technical skills in advanced assessment and personalised treatment planning in patients with disordered control using 3D movement analysis and musculoskeletal modelling. I am currently a Lecturer and Researcher at the University of Liverpool with a number of ongoing projects related to understanding human movement and assistive technology in health. I am a committee member for the Clinical Movement Analysis Society of the UK and Ireland (CMAS). I am always interested in potential collaborations and supporting PhD students or people wishing to undertake further research.

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Penelope Phillips-Howard	penelope.phillips-howard@lstm.ac.uk	Professor	Liverpool School of Tropical Medicine	Studies related to girls and women’s sexual and reproductive health, from menarche to menopause, particularly interested in understanding prevalence and social and health outcomes in dealing with bleeding, and testing different menstrual products or solutions. This can focus or link with other public health issues such as teen pregnancy, use of contraceptives, genital schistosomiasis, STI, bacterial vaginosis. Findings would support public health policy and programmes. Our work has predominantly been in Kenya and India, but could take place in other low-income settings.
Richard Pleass	richard.pleass@lstm.ac.uk	Professor	Liverpool School of Tropical Medicine	Antibody engineering for influenza, malaria adenovirus mediated keratoconjunctivitis, an autoimmune diseases “Many pathogens e.g. influenza viruses use sialic acid to enter cells or to manipulate immune responses in their favour. Our laboratory is developing sialylated antibodies to directly block virus entry or as immune modulators to treat virus mediated cytokine storms. You can read more about our work in the following article: MAbs. 2021 Jan-Dec;13(1):1953220. doi: 10.1080/19420862.2021.1953220. Examples of projects may include investigating how these reagents block influenza viruses (with Dr Eleanor Gaunt, University of Edinburgh) or ii) how they modify human immune responses (with Drs Britta Urban and Daniella Ferriera).”
Joanna Raven	joanna.raven@lstm.ac.uk	Senior Lecturer	Liverpool School of Tropical Medicine	My expertise lies in research on health systems and human resources for health in low- and middle-income countries, especially fragile and conflict affected settings. I specialise in qualitative research. I would supervise projects in these areas.
Adam Roberts	Adam.Roberts@lstm.ac.uk	Reader	Liverpool School of Tropical Medicine	Adam Roberts is a Reader in Antimicrobial Chemotherapy and Resistance and lead for AMR at Liverpool School of Tropical Medicine. He and his team have been investigating AMR for >20 years and he has published >100 research articles and reviews on the topic. He can supervise microbiology based projects investigating resistance emergence and evolution, AMR mechanisms, the biology of AMR associated mobile genetic elements and horizontal gene transfer, and whole genome sequence based analysis of individual bacterial isolates and bacterial isolate collections.
Fiona Rowe	rowef@liverpool.ac.uk	Professor of Orthoptics	University of Liverpool	Visual impairment consequences and impact in acquired brain injury. Fiona Rowe is lead for the VISION research group and a Cochrane Library Eyes and Vision group editor. Her particular research interests include visual impairment due to acquired brain injury (with particular emphasis on stroke, brain tumours and trauma) with consideration to early detection and rehabilitation to reduce impact of visual impairment and support return to daily life activities. Interested in supporting epidemiology and rehabilitation studies in low- and middle-income countries.

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Clare Scantlebury	Claire.Scantlebury@liverpool.ac.uk	Wellcome trust Clinical Research fellow and Lecturer in Veterinary Epidemiology and Global Health		Tackling Histoplasmosis; endemic disease at the human-animal interface in low resource settings.
Eduard Shantsila	eduard.shantsila@liverpool.ac.uk	Senior Clinical Lecturer in Primary Care and Mental Health	University of Liverpool	Cardiovascular health (especially hypertension, and heart failure), ageing, frailty, multimorbidity
Sally Sheard	S.B.Sheard@liverpool.ac.uk	Head of Department: Public Health, Policy and Systems; Wellcome Senior Investigator	University of Liverpool	Health policy; health systems; public health history; interface between expert advisers and policymakers I am a health policy historian and analyst. As a Wellcome Senior Investigator, I lead a seven-year project: The Governance of Health: medical, economic and managerial expertise in Britain since 1948. My areas of interest are health policy (especially public health, infection control, anti-microbial resistance/stewardship); health systems; role of expertise in policy development.
David Singleton	D.A.Singleton@liverpool.ac.uk	Research Fellow	University of Liverpool	Antimicrobial resistance; antimicrobial stewardship; pharmacoepidemiology; one health; behaviour change. I am interested in antimicrobial use and resistance surveillance, particularly in low-income settings, with a view to developing and trialling interventions aimed at encouraging antimicrobial stewardship and responsible use of medicines more generally. I am a veterinary surgeon currently working primarily on medical research; as such, I am interested in projects in either sector or those which seek to integrate surveillance and stewardship efforts across species. I am also interested in assessing the impact of other interventions aimed at reducing the impact of antimicrobial resistance (especially vaccines) and would welcome discussion of ideas in this area too.
Tom Solomon	tsolomon@liverpool.ac.uk	Professor and Director of the NIHR Health Protection Research Unit in Emerging and Zoonotic Infections	University of Liverpool	Emerging infections, especially those that affect the brain Tom Solomon is a neurologists and expert in emerging and neurological infections. He supervises mostly clinico-epidemiological, diagnostic and treatment studies, with some work looking at disease mechanisms. This has includes projects in India, Malawi and elsewhere.

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Alex Stockdale	a.stockdale@liverpool.ac.uk	Senior Clinical Lecturer	University of Liverpool	<p>Hepatitis B, C and D, HIV, cirrhosis, hepatocellular carcinoma, epidemiology, virology, viral sequencing, implementation science</p> <p>I am an Infectious Diseases physician interested in reducing the burden of disease from hepatitis B and D in Africa, exploring ways to reduce transmission and optimise treatment programmes. My research expertise is in epidemiology, virology and viral sequencing and implementation science.</p>
Russ Stothard	Russell.Stothard@lstmed.ac.uk	Professor of Medical Parasitology	Liverpool School of Tropical Medicine	<p>NTDs, malaria and co-infection with HIV</p> <p>PhD projects are focused on African schistosomiasis that address control of urogenital disease in men and women, as well as investigations of linkages between hepatosplenic schistosomiasis and endomyocardial fibrosis.</p> <p>https://www.lstmed.ac.uk/about/people/professor-j-russell-stothard</p>
Katharine Stott	katstott@liverpool.ac.uk	Academic Clinical Lecturer in Antimicrobial Pharmacology	University of Liverpool	<p>Mycology, PK/PD, AMR, immunocompromised medicine</p> <p>I completed a Wellcome Trust-funded PhD fellowship to study health needs in resource limited settings in 2021. My PhD research focused on the pharmacodynamics of antifungal agents for HIV-associated invasive mycoses, with particular focus on cryptococcal meningitis. I am currently based at the University of Liverpool as a clinical lecturer, researching antifungal pharmacology and AMR. My interests center around optimised antimicrobial treatment for immunocompromised people, with a focus on global health.</p>
Miriam Taegtmeier	miriam.taegtmeier@lstmed.ac.uk	Professor	Liverpool School of Tropical Medicine	<p>Disease areas of interest –</p> <p>HIV and HIV diagnosis, antimicrobial resistance in Liverpool (care home settings), lung health in Africa, antenatal care (esp in HIV), safe prescribing – anything that is predominantly community-based or health systems strengthening</p> <p>Projects to supervise</p> <p>Health systems analysis, qualitative research</p> <p>Focus at the interface of community and health system – lead the community health systems group</p>
Pui-Ying Iroh Tam	irohtam@mlw.mw	Senior Clinical Lecturer	Liverpool School of Tropical Medicine	<p>Pui-Ying Iroh Tam is a physician-scientist and paediatric infectious diseases physician by training, based full-time in Malawi. She heads the Paediatrics and Child Health Research Group at MLW, which concentrates on clinical conditions relevant to child health in Malawi – and she is happy to support, develop and supervise PhD fellows with similar interests. Her current research focuses on childhood infections and microbiology, and intersection with growth, development, and malnutrition. Methodologically, she has expertise in clinical research, systematic reviews, and clinical trials.</p>

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				<p>Research areas/project themes willing to supervise: Clinical studies and trials on child health, including malnutrition, body composition and growth; childhood infections, including pneumonia, diarrhoeal disease, sepsis, and antimicrobial use/resistance/stewardship; respiratory and gut health and microbiota, and intersection between infection, antibiotic use, and malnutrition.</p>
Mark Taylor	mark.taylor@lstm.ac.uk	Professor of Parasitology, Director of the Centre for Neglected Tropical Diseases	Liverpool School of Tropical Medicine	<p>Research focuses on the filarial nematodes, which cause onchocerciasis and lymphatic filariasis, exploiting the Wolbachia/worm symbiosis as a target for antibiotic therapy, with a Phase II trial of a novel macrofilaricidal drug planned for 2023.</p>
Anja Terlouw	Anja.Terlouw@lstm.ac.uk	Clinical Lecturer LSTM based at MLW, Malawi	Liverpool School of Tropical Medicine	<p>Malaria epidemiology: Surveillance, Monitoring and Evaluation methods, pharmaco-epidemiology: treatment optimisation.</p> <p>I am a medical epidemiologist working in malaria with research interests across the disciplines of pharmaco-epidemiology and surveillance, monitoring and evaluation methods that incorporate geospatial epidemiology. I lead a research a group at MLW in Malawi where we address high impact questions on malaria (and other infectious diseases) that inform the intervention package toolbox and appropriate surveillance strategies, with the aim to accelerate disease burden and transmission reduction in sub-Saharan Africa.</p> <p>Types of questions we are interested in the group that could be used to develop more specific PhD topics and projects in malaria include:</p> <ul style="list-style-type: none"> • What spatiotemporal monitoring options can guide and accelerate transmission reduction efforts through more targeted intervention strategies? (Geospatial epidemiology). • Which prevention/treatment optimisation options can contribute to disease burden and/or transmission reduction while combatting drug resistance? (Pharmaco-epidemiology). • What improvements in study/evaluation design and analyses methods can contribute to substantive improvements in the accuracy and granularity of disease burden estimates and intervention effectiveness and impact? (Clinical epidemiology, geospatial epidemiology, implementation research).
Stacy Todd	stacy.Todd@lstm.ac.uk	LHP Programme Director for Infection	Liverpool School of Tropical Medicine	<p>My experience includes UK and international research across a variety of areas. My PhD was based in Vietnam and looked at influenza sero studies and the impact of prior infection on susceptibility to current infection. I am currently co chief investigator on the NIHR funded pronto trial looking at point of care procalcitonin in UK ed departments and whether this can improve risk stratification of suspected sepsis and reduce inappropriate antimicrobial usage. I am happy to supervise projects related to infection transmission dynamics, including observational or interventional studies which look to better inform our understanding of underlying mechanisms of AMR and its spread</p>

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Mark Turner	Mark.turner@liverpool.ac.uk	Professor of Neonatology and Research Delivery	University of Liverpool	I am a Clinical Neonatologist with an interest in drug development, particularly early phase and infection. I co-lead a pan-European research infrastructure and am interested in systemic ways to improve the design and conduct of research
Lance Turtle	Lance.turtle@liverpool.ac.uk	Reader	University of Liverpool	I am an infection immunologist with expertise in viral disease, particularly arboviruses. I am based in Liverpool where I perform early phase human trials and human experimental medicine studies looking at immune responses to viruses and viral vaccines in detail. My technical expertise includes flow cytometry, high containment level laboratory work, single cell sequencing, human antibody cloning, and multiple techniques to study the function of human T cell responses. I also have expertise in data analysis and immunological laboratory data work flow. Potential projects could include studying the pathogenesis of arbovirus disease, which could link with existing studies (eg in collaboration with Prof Nick Feasey). In addition, I could provide training and technical assistance with cutting edge immunological techniques to be applied to another context. My work has pivoted to SARS-CoV-2 during the pandemic and has been used to inform and support vaccine policy, such as the relevance of measuring T cell responses to vaccines and not only antibody. This expertise could also be applied to other diseases. For example, other possible projects include a characterisation of T cell responses to Rift Valley fever infection, in collaboration with Prof Eric Fevre, and ILRI; and establishing the use of novel vaccine trial endpoints for use in human experimental medicine studies and early phase vaccine trial endpoints
Naomi Walker	Naomi.Walker@lstmed.ac.uk	Senior Clinical Lecturer in Experimental Medicine at LSTM	Liverpool School of Tropical Medicine	My interest is in immunopathology due to TB and improving outcomes from TB treatment. I have a particular focus on the interaction between TB and HIV infection. Potential projects may include work on biomarkers to monitor response to TB treatment and interventions for TB-IRIS/paradoxical reactions. Further info on LSTM website: https://www.lstmed.ac.uk/about/people/dr-naomi-walker
Andrew Weeks	Aweeks@liverpool.ac.uk	Prof. of International Maternal Health, Women's & Children's Health	University of Liverpool	Professor Weeks is an academic obstetrician whose particular interest is improving care during human birth, especially in low resource settings. His research is largely clinical, using novel techniques and devices to improve outcomes and assessing them through randomised trials and data synthesis."
Nicola Williams	njwillms@liverpool.ac.uk	Professor of Bacterial Zoonotic Disease	University of Liverpool	Drivers for antimicrobial resistance and one health Professor of Bacterial Zoonotic Disease interested in applied research on foodborne zoonoses and antimicrobial resistance. Interested in the drivers for antibiotic use from a one health perspective, AMR and transmission in companion animals, wildlife and farmed animals, through to veterinary and human clinical environments. Currently have AMR related projects on-going in the UK, India, Kenya and Ethiopia.

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Tom Wingfield	Tom.wingfield@lstmed.ac.uk	Senior Clinical Lecturer	Liverpool School of Tropical Medicine	Interests: socioeconomic (social and economic) determinants and consequences of TB and other poverty-related illnesses. Any study design fine but trials / cohort studies / mixed-methods are what I have most experience in.
Alison Holmes	Alison.holmes@liverpool.ac.uk	David Price Evans Chair in Infectious Diseases and Global Health	University of Liverpool	Antimicrobial resistance and global infectious diseases including novel work in antimicrobial optimisation through the development and adoption of technological and behavioural interventions to improve therapeutic outcomes.