

Liverpool Clinical PhD Programme for Health Priorities in the Global South – Primary Supervisor pool for Fellowships commencing September 2022

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'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. 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>
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	<p>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).</p>
Philip Burgess	Philip.Burgess@liverpool.ac.uk	Senior Lecturer in Eye and Vision Science	University of Liverpool	<p>Retinal vascular disease; health services research; global ophthalmology</p> <p>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.</p>
Enitan Carrol	Edcarrol@liverpool.ac.uk	Professor of Paediatric Infection	University of Liverpool	<p>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.</p>
Nicholas Casewell	nicholas.casewell@lstmed.ac.uk	Chair of Tropical Disease Biology	Liverpool School of Tropical Medicine	<p>Snakebite, antivenom, venom, molecular biology, immunology, pharmacology</p> <p>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.</p>

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Martha Chinouya	Martha.Chinouya@lstm.liverpool.ac.uk	Senior Lecturer in Global Health	Liverpool School of Tropical Medicine	I am prepared to supervise studies that use qualitative methodologies/methods, focusing on a wide range of issues in global health
Andrea Collins	andrea.collins@lstm.liverpool.ac.uk	Senior Clinical Lecturer in Respiratory Medicine, Liverpool School of Tropical Medicine Honorary Respiratory NHS Consultant, Liverpool University Hospitals Foundation Trust	Liverpool School of Tropical Medicine	Respiratory Infection, Bronchoscopy (BAL) research, human respiratory challenge
Nigel Cunliffe	nigelc@liverpool.ac.uk	Professor of Medical Microbiology and Director, NIHR Health Protection Research Unit in Gastrointestinal Infections	University of Liverpool	Gastrointestinal Infections I am a medical microbiologist with interest in paediatric gastrointestinal infections and their prevention by vaccination. Current work focuses on rotavirus and Shigella.
Geraint Davies	gdavies@liverpool.ac.uk	Professor of Infection Pharmacology	University of Liverpool	TB, HIV, PK-PD, Clinical Trials 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.
Nicola Desmond	nicola.desmond@lstm.liverpool.ac.uk	Reader in Medical Anthropology & Global Health	Liverpool School of Tropical Medicine	Anthropology; SRH; Risk; Trust; Acceptability; Vaccines; Treatment seeking; health systems; mixed methods; community engagement; bioethics; gender; behaviour change; evaluation methods 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.
Graham Devereux	graham.devereux@lstm.liverpool.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.

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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 Invasive Salmonella disease (NTS and typhoid) Vaccine field epidemiology, immunogenicity, efficacy and impact studies Cellular and humoral immune responses to Salmonella infection and vaccination Pathogen genomics and evolution Gut health, microbiota and immune responses to disease and vaccination Tropical Gastroenterology</p>
Stephen Gordon	sgordon@mlw.mw	MLW Director	Liverpool School of Tropical Medicine	<p>Controlled human infection models, introduction of Covid-19 vaccine to Malawi, prevention of chronic lung disease.</p> <p>Current research interests: CHIM (controlled human infection models) – pneumococcus, diphtheria, Neisseria, mycobacteria, SARS-CoV (COVID 19) Pulmonary infections in low income countries Capacity development in low income countries - science, medicine and vaccine manufacture</p> <p>Keywords related to your speciality: Lung, pneumonia, CHIM, HIS (human infection studies), inhaled vaccine, mucosal immunology, oxygen</p> <p>Therapy area (if relevant): Oxygen, pneumonia, bronchoscopy</p>

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Simon Graham	simon.graham@lstmed.ac.uk	Senior lecturer orthopaedic surgery	Liverpool School of Tropical Medicine	Global Orthopaedic Surgery 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.
Mike Griffiths	griffmj@liverpool.ac.uk	Reader / Honorary Paediatric Neurology Consultant	University of Liverpool	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). We are interested in the host responses to severe infection and brain damage, with a focus on identifying diagnostic and prognostic markers. We use transcriptomic and proteomic approaches to explore these responses, in neonate, child and adult patient populations. 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). Happy to consider further projects around infection and/or brain impairment.
Simon Harding	sharding@liverpool.ac.uk	Chair Professor of Clinical Ophthalmology	University of Liverpool	Retinal disease
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.

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Kondwani Jambo	Kondwani.Jambo@lstm.liverpool.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 pharmacology, HIV treatment 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 DoPHIN consortium, and characterisation of drug exposure in breast milk, genital secretions and other body fluids/tissues.
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 Laloo	david.laloo@lstm.liverpool.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

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Tina Lavender	Tina.lavender@lstmed.ac.uk	Professor of Maternal and Newborn Health	Liverpool School of Tropical Medicine	<p>Maternal and newborn health (midwifery)</p> <p>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.</p>
David Lissauer	david.lissauer@liverpool.ac.uk	NIHR Professor of Global Maternal and Fetal Health	University of Liverpool	<p>Global maternal and fetal health</p> <p>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.</p>
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	<p>Population health</p> <p>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.</p>
Webster Mavhu	webster.mavhu@lstmed.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>

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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>
Benedict Michael	Benedict.Michael@liverpool.ac.uk	Senior Clinician Scientist Fellow	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@lstm.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>

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Kevin Mortimer	Kevin.Mortimer@lstm.liverpool.ac.uk	Professor of Respiratory Medicine	Liverpool School of Tropical Medicine	Lung health in Africa; chronic respiratory disease in LMICs; asthma; household air pollution Global lung health related studies
Henry Mwandumba	Henry.Mwandumba@lstm.liverpool.ac.uk	Professor of Immunology & Infectious Diseases	Liverpool School of Tropical Medicine	Infection Immunology 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.
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.

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Steve Patterson	S.Paterson@liverpool.ac.uk	Professor of Genetics	University of Liverpool	<p>Genomics of infectious disease</p> <p>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.</p>
Joanne Patterson	joanne.patterson@liverpool.ac.uk	Professor of Speech & Language Therapy	University of Liverpool	<p>Swallowing, voice and communication difficulties Head and neck cancer</p> <p>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</p>
Penelope Phillips-Howard	penelope.phillips-howard@lstm.ac.uk	Professor	Liverpool School of Tropical Medicine	<p>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.</p>
Richard Pleass	richard.pleass@lstm.ac.uk	Professor	Liverpool School of Tropical Medicine	<p>Antibody engineering for influenza, malaria adenovirus mediated keratoconjunctivitis, an autoimmune disease</p> <p>“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: MAb. 2021 Jan-Dec;13(1):1953220. doi: 10.1080/19420862.2021.1953220.</p> <p>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).”</p>

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Joanna Raven	joanna.raven@liverpool.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@liverpool.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.
Jamie Rylance	jamie.rylance@liverpool.ac.uk	Reader, Respiratory Medicine and Global Health	Liverpool School of Tropical Medicine	Acute medicine Respiratory medicine Overlap of acute and chronic medicine Expertise/Interests: “Acute and emergency care in LMIC – from physiology to health systems interventions. I am happy to help develop projects and supervise PhD researchers in any of this spectrum of work, particularly where there is close alignment with my other projects. Currently, I work mostly in Malawi, but sites in Tanzania, Uganda and Gabon. My current projects include: cohort studies of sepsis and detailed examination of cardiovascular responses during fluid resuscitation; RCT of different modes of oxygen delivery for respiratory failure; cluster randomised trial of incorporating screening for multimorbidity into acute care pathways to better link primary and secondary care. I am NCD/communicable disease agnostic!”

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Sally Sheard	S.B.Sheard@liverpool.ac.uk	Head of Department: Public Health, Policy and Systems; Wellcome Senior Investigator	University of Liverpool	<p>Health policy; health systems; public health history; interface between expert advisers and policymakers</p> <p>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.</p>
Tom Solomon	tsolomon@liverpool.ac.uk	Professor and Director of the NIHR Health Protection Research Unit in Emerging and Zoonotic Infections	University of Liverpool	<p>Emerging infections, especially those that affect the brain</p> <p>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.</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>
Miriam Taegtmeier	miriam.taegtmeier@lstmed.ac.uk	Professor	Liverpool School of Tropical Medicine	<p>Disease areas of interest – 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 Health systems analysis, qualitative research Focus at the interface of community and health system – lead the community health systems group</p>

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Anja Terlouw	Anja.Terlouw@lstm.liverpool.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.liverpool.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>
Lance Turtle	lturtle@liverpool.ac.uk	Senior Clinical Lecturer	University of Liverpool	<p>My expertise is in immunity to infection, pathogenesis of viral infections and arbovirus disease. It's worth noting Lance could link with Nick Feasey who has recently developed some interesting opportunities in arbovirus disease based on some existing fever studies.</p>

Liverpool Clinical PhD Programme for Health Priorities in the Global South – Primary Supervisor pool for Fellowships commencing September 2022

Name	Email	Position	Organisation	Research areas/ project themes willing to supervise
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."
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.
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> <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>