

# Peter MacPherson

## Professor of Global Public Health | University of Glasgow

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## Summary

I am an academic public health physician, specialising in the epidemiology and control of infectious diseases. I have substantial clinical and research experience in global health, and am undertaking a number of studies investigating approaches to improving HIV and TB case-finding, treatment delivery and prevention.

Indicator	Outcome
Peer-reviewed publications	120
Grant income (as Principal Investigator)	£14,202,833
Grant income (as Co-Investigator)	£15,345,788
PhD students supervised	11
Masters students supervised	17

## Current Positions

January 2024 - Present	Head of Public Health, School of Health & Wellbeing, <b>University of Glasgow, UK</b>
January 2023 - Present	Professor of Global Public Health, <b>University of Glasgow, UK</b>
August 2019 - Present	Honorary Professor, <b>London School of Hygiene and Tropical Medicine, UK</b>
January 2023 - Present	Honorary Consultant in Communicable Disease Control, <b>Public Health Scotland</b>

## Education

2023 -	FFPH (Fellow of the Faculty of Public Health), <b>Faculty of Public Health, UK</b>
2013 - 2017	MFPH (Member of the Faculty of Public Health), <b>Faculty of Public Health, UK</b>
2009 - 2013	PhD (Wellcome Clinical PhD Fellowship), <b>Liverpool School of Tropical Medicine, UK</b>
2009 - 2010	MRes (Distinction), <b>University of Liverpool, UK</b>
2010 - 2010	DTM&H (Distinction), <b>Liverpool School of Tropical Medicine, UK</b>
2007 - 2009	Dip(HIV) (HIV Medicine), <b>College of Family Medicine, South Africa</b>
2004 - 2005	MPH (Kennedy Memorial Scholar), <b>Harvard School of Public Health, USA</b>
1998 - 2003	MBChB (with Honours), <b>University of Aberdeen Medical School, UK</b>

## Awards

2014	Best PhD presentation: LSTM Annual PhD conference, <b>Liverpool School of Tropical Medicine, UK</b>
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2013	Best Abstract Prize: 2nd Annual HIV Treatment as Prevention Conference, <b>British HIV Association, UK</b>
2013	Best PhD Poster Prize, Wellcome Trust PhD Investigators Meeting, <b>Wellcome Trust, UK</b>
2012	Young Investigator Award. 19th CROI, Seattle, <b>Infectious Disease Society of America, USA</b>
2011	Young Investigator Award. 18th CROI Boston, <b>Infectious Disease Society of America, USA</b>
2005	Kennedy Memorial Fellowship to attend Harvard University, <b>The Kennedy Memorial Trust, UK</b>
2003	The Quincentenary Prize for Best Student in the University, <b>University of Aberdeen Medical School, UK</b>
2003	The Sir Duguld Baird Medal for Obstetrics and Gynaecology, <b>University of Aberdeen Medical School, UK</b>
2002	University Prize Committee Award for Academic Achievement, <b>University of Aberdeen Medical School, UK</b>
2002	The Elizabeth Lockheart Bequest Prize, <b>University of Aberdeen Medical School, UK</b>
1998	The Dr James Pirie Scholarship to study medicine, <b>University of Aberdeen Medical School, UK</b>

## Impact and Appointed Positions

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2024-Present	Head of Public Health Department, School of Health & Wellbeing, <b>University of Glasgow</b>
2023-Present	Academic Editor, <b>PLOS Medicine</b>
2023-Present	Deputy Research Director. School of Health & Wellbeing, <b>University of Glasgow</b>
2023-2023	WHO Consolidated guidelines on HIV testing services (Expert scientific reviewer), <b>World Health Organization</b>
2023-2024	WHO Target Product Profiles for Tuberculosis Screening Tests (Expert scientific advisor), <b>World Health Organization</b>
2022-2023	WHO Target Product Profiles for Tuberculosis Diagnostics (Expert scientific advisor), <b>World Health Organization</b>
2023-2023	WHO Technical Specification Series (TSS) for manufacturers of Computer Aided Detection for Tuberculosis (CAD TB) (Expert scientific advisor), <b>World Health Organization Global TB Programme</b>
2021-2022	Senior Management Committee (Member), <b>Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi</b>
2022-2022	REF Impact Case Study: HIV Self-Testing, <b>Liverpool School of Tropical Medicine, UK</b>
2020-2023	Head of Population Health Theme, <b>Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi</b>
2020-2023	Research Misconduct Lead, <b>Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi</b>
2020-2023	Chair: Research Data Steering Committee, <b>Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi</b>
2020-2021	WHO Global TB Programme: Guidelines for Systematic Screening for Tuberculosis (lead for 3 systematic reviews), <b>World Health Organization Global TB Programme</b>
2020-2021	WHO Department of HIV/AIDS: Consolidated Antiretroviral Therapy Guidelines (lead for 3 systematic reviews), <b>World Health Organization Global HIV Programme</b>
2019-2023	Senior Academic Representative: Diagnostic Imaging Steering Committee, <b>Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi</b>
2020-2023	Overseas Representative: Research Committee, <b>Liverpool School of Tropical Medicine</b>
2018-2019	WHO Consolidated Guidelines on HIV Testing Services (Expert reviewer), <b>World Health Organization Global HIV Programme</b>

2018-2020	Co-Chair: WHO Technical Working Group on HIV Self-Testing, <b>World Health Organization Global HIV Programme</b>
2018-2018	WHO Strategic framework: A guide for where to start when introducing HIV self-testing (Expert reviewer), <b>World Health Organization Global HIV Programme</b>
2017-2023	Research Strategy Committee (Senior Academic Member), <b>Malawi-Liverpool-Wellcome Programme, Blantyre, Malawi</b>
2016-2016	HIV self-testing and assisted partner notification guidelines (Expert reviewer) , <b>World Health Organization Global HIV Programme</b>
2015-2015	WHO HIV testing Services Guidelines (Expert reviewer), <b>World Health Organization Global HIV Programme</b>
2015-2015	WHO HIV Department commissioned systematic review: Service delivery interventions to improve adolescents' retention and adherence to antiretroviral therapy in adolescents to HIV care (Review lead) , <b>World Health Organization Global HIV Programme</b>

## Grant funding as Principal Investigator

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Date	Title	Funder	Role	Amount
2022-2026	Improving TB diagnosis in high burden countries (under contract negotiation)	UNITAID	Principal Investigator	£11,760,944
2022-2024	Assessing the feasibility, safety and effectiveness of offering same-day antiretroviral therapy to persons with HIV and presumptive tuberculosis: A collaborative multi-country research project in Malawi and Lesotho	Swiss National Research Foundation	Co-Principal Investigator	£600,000
2017-2022	A pragmatic randomised study to optimise screening, prevention and care for tuberculosis and HIV in Malawi (PROSPECT)	Wellcome Trust Clinical Research Career Development Fellowship (206575/Z/17/Z)	Principal Investigator (Personal Fellowship)	£1,077,349
2020-2021	A electronic Patient Locator (ePAL) application for remote high- resolution surveillance of disease	Wellcome Institutional Translational Partnership Award	Principal Investigator	£29,500
2020-2020	What is the optimum time to start antiretroviral therapy in people with HIV and tuberculosis coinfection: Systematic reviews to inform WHO guidelines	WHO	Principal Investigator	£15,000
2020-2020	Effectiveness of screening for active tuberculosis in the community: systematic reviews to inform WHO guidelines	WHO	Principal Investigator	£15,000
2018-2020	Male partner-assisted contact tracing for HIV and tuberculosis in Malawi: a multi-arm cluster-randomised trial (mPATCH-TB)	Wellcome/DIFD/MRC JGHT (MR/R019762/1)	Principal Investigator	£112,515
2017-2020	A household cluster randomised trial of active case finding for HIV and TB, preventive treatment against TB, and ART initiation to prevent TB disease and transmission. (The HomeACF Study)	UK/SA MRC Newton Fund (SAMRC96783)	Principal Investigator	£210,116
2015-2017	Quality of life in UK adults with multi drug resistant tuberculosis: a prospective cohort study	Academy of Medical Sciences (AMS-SGCL12)	Principal Investigator (Personal Fellowship)	£29,883
2009-2013	Investigating delays in equitable access to ART in urban communities in Blantyre, Malawi	Wellcome Trust (08967/B/09/Z)	Principal Investigator (Personal Fellowship)	£352,526

## Grant funding as Co-Investigator

Date	Title	Funder	Role	Amount
2020-2026	The LIGHT Consortium	UK Department for International Development	Deputy Research Director	£7,909,994
2022-2025	HIV data systems in Malawi	Bill and Melinda Gates Foundation	Collaborator	£1,000,000
2021-2025	Spatial heterogeneity of tuberculosis infection in Blantyre, Malawi: approaches to defining high-risk areas for targeted intervention	Wellcome Trust Clinical PhD Fellowship to Dr Hannah Rickman	Supervisor	374,292
2020-2024	Integrating genomic and spatial approaches for targeted control of HIV-associated tuberculosis epidemics	US National Institutes of Health	Site Investigator	£3,149,417
2020-2024	Chronic Liver Disease in Malawi: a community-based epidemiological study	Wellcome Trust Clinical PhD Fellowship to Dr Nicholas Riches	Supervisor	£310,000
2020-2024	How can the outcomes of open tibia fractures in a low-income country be improved?	Wellcome Trust Clinical PhD Fellowship to Dr Alex Schade	Supervisor	£458,695
2020-2024	Creating demand for fishermen's schistosomiasis and HIV services (FISH)	Wellcome Trust Intermediate Fellowship to Augustine Choko	Collaborator	£728,291
2019-2022	The cost effectiveness and impact of an optimised TB diagnosis intervention on incidence, prevalence and mortality due to TB in Malawi	NIHR-Wellcome Partnership for Global Health Research (Wala Kamchedzera)	Supervisor	£120,000
2019-2022	Computer Aided Screening in Low Resource Settings (CASTLE Study)	Wellcome Trust Clinical PhD Fellowship to Dr Rachael Burke	Supervisor	£374,292
2021-2022	Developing models of care for symptomatic former TB patients in urban Blantyre, Malawi	LSTM Director's Catalyst Fund to Dr Jamilah Meghji	Supervisor	£49,996
2020-2021	SARS-CoV-2 immunoepidemiology in Wellcome-funded urban and rural cohorts in Malawi : generating evidence to inform regional medium and long term decision making	Wellcome	Collaborator	£249,544
2020-2021	Radio+ TB trial development: Determining the optimal regimen for bacteriologically negative, radiographically apparent TB diagnosed using new tests	MRC-Wellcome-DFID Joint Global Health Trials	Site Investigator	£238,807
2020-2021	Towards host-directed therapies for HIV-associated Tuberculosis	LSTM Director's Catalyst Fund to Dr Naomi Walker	Supervisor	£47,345
2020-2021	Prospective Multicentre Clinical Trial for the Evaluation of the Accuracy and Diagnostic Yield of the Fujifilm LAM TB Test for the Diagnosis of Tuberculosis in HIV-positive Patients - Fuji-TB Test Evaluation Trial	FIND	Site Principal Investigator	£78,021
2020-2020	Malawi-Liverpool-Wellcome Trust COVID-19 Epidemic Preparedness	Wellcome Trust	Public Health Workstream lead	£249,926
2020-2020	Usability of GeneXpert Omni for rapid, point of care tuberculosis diagnosis: Malawi	FIND	Site Principal Investigator	£7,168

## PhD Students

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Date	Student	Institute	Degree	Status
2023-2027	Dr Robina Semphere	University of Glasgow, UK	PhD	In progress
2023-2027	Conrad Folamauk	University of Glasgow, UK	PhD	In progress
2021-2025	Dr Mphatso Phiri	LSTM, UK	PhD (LIGHT Fellowship)	In progress
2021-2024	Dr Hannah Rickman	LSHTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	In progress
2021-2024	Leticia Suwedi	LSTM, UK	PhD (Commonwealth Scholar)	In progress
2020-2024	Dr Helen Savage	LSTM, UK	PhD (MRC Doctoral Fellowship)	In progress
2020-2023	Dr Alex Schade	LSTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	Awarded
2020-2023	Dr Nick Riches	LSTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	In progress
2019-2022	Dr Rachael Burke	LSHTM, UK	PhD (Wellcome Trust Clinical PhD Fellow)	Awarded
2018-2021	McEwen Khundi	LSHTM, UK	PhD	Awarded
2014-2018	Dr Marriott Nliwasa	LSHTM, UK	PhD (Helse Ford PhD Fellowship)	Awarded

## Masters Students

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Date	Student	Institute	Degree	Status
2023-2024	Reisya Gina Nurfajiri	University of Glasgow	MPH	In progress
2023-2024	Dr Alireza Mortazavi	University of Glasgow	MPH	In progress
2022-2024	Dickson Kazembe	Kamuzu University of Health Sciences, Malawi	MPH	Awarded
2021-2022	Dr Johnny Miller	Liverpool School of Tropical Medicine	MSc in Global Health	Awarded
2021-2022	Dr Naomi Carter	Liverpool School of Tropical Medicine	MSc in Global Health	Awarded (Distinction)
2020-2022	Dr Symon Chiumia	College of Medicine, University of Malawi	MPH	Awarded
2019-2021	Dr Andrew Moseray	Liverpool School of Tropical Medicine	Masters in International Public Health	Awarded
2019-2021	Dr Bilaal Wilson	College of Medicine, University of Malawi	MPH	Awarded
2019-2021	Wala Kamchedzera	Liverpool School of Tropical Medicine	MSc in Epidemiology	Awarded
2019-2020	Dr Amir Kirlos	Liverpool School of Tropical Medicine	MRes	Awarded
2018-2019	Dr Itaru Nakamura	Liverpool School of Tropical Medicine	Msc in Tropical and Infectious Diseases	Awarded (Distinction)
2018-2019	Ms Maggie Nyali	College of Medicine, University of Malawi	Masters in Public Health	Awarded
2017-2018	Mr Hisao Ando	Liverpool School of Tropical Medicine	Masters in International Public Health	Awarded
2017-2018	Dr Timothy Lawes	University of Liverpool	MRes	Awarded
2013-2014	Dr Chigomezgo Munthali	Liverpool School of Tropical Medicine	Masters in International Public Health	Awarded (Distinction)
2012-2013	Dr Marriott Nliwasa	London School of Hygiene and Tropical Medicine	Masters in Epidemiology	Awarded
2011-2012	Dr Oliva Axten	Brighton and Sussex Medical School	MSc in Global Health	Awarded (Distinction)

## Publications

- Schade A T, Sabawo M, Jaffry Z, Nyamulani N, Mpanga C C, Ngoie L B, Metcalfe A J, Lalloo D G, Harrison W J, Leather A, MacPherson P. Improving the Management of Open Tibia Fractures, Malawi. *Bull World Health Organ*. 2024;(4):255–264. doi: 10.2471/BLT.23.290755
- Coussens A K, Zaidi S M A, Allwood B W, Dewan P K, Gray G, Kohli M, Kredo T, Marais B J, Marks G B, Martinez L, Ruhwald M, Scriba T J, Seddon J A, Tisile P, Warner D F, Wilkinson R J, Esmail H, Houben R M G J, International Consensus for Early TB (ICE-TB) group. Classification of Early Tuberculosis States to Guide Research for Improved Care and Prevention: An International Delphi Consensus Exercise. *Lancet Respir Med*. Published online March 2024. doi:10.1016/S2213-2600(24)00028-6
- Ashton P M, Chirambo A C, Meiring J E, Patel P D, Mbewe M, Silungwe N, Chizani K, Banda H, Heyderman R S, Dyson Z A, MacPherson P, Henrion M Y R, Biswas P K, Bhuiyan M A I, Blohmke C, Darton T C, Dolecek C, Dongol S, Farooq Y, Hill J, Hoang N T, Jere T M, Msuku H, Nga T V T, Nkhata R, Rahman S I A, Rahman N, Saad N J, Tan T V, Thindwa D, Voysey M, Wachepa R, Pollard A, Holt K E, Gordon M A. Evaluating the Relationship between Ciprofloxacin Prescription and Non-Susceptibility in *Salmonella* Typhi in Blantyre, Malawi: An Observational Study. *The Lancet Microbe*. 2024;(0). doi:10.1016/S2666-5247(23)00327-0

4. Gerber F, Semphere R, Lukau B, Mahlatsi P, Mtenga T, Lee T, Kohler M, Glass T R, Amstutz A, Molatelle M, MacPherson P, Marake N B, Nliwasa M, Ayakaka I, Burke R, Labhardt N. Same-Day versus Rapid ART Initiation in HIV-Positive Individuals Presenting with Symptoms of Tuberculosis: Protocol for an Open-Label Randomized Non-Inferiority Trial in Lesotho and Malawi. *PLOS ONE*. 2024;(2). doi:10.1371/journal.pone.0288944
5. MacPherson P, Shaunabe K, Phiri M D, Rickman H M, Horton K C, Feasey H R A, Corbett E L, Burke R M, Rangaka M X. Community-Based Active-Case Finding for Tuberculosis: Navigating a Complex Minefield. *BMC Global and Public Health*. 2024;(1):9. doi:10.1186/s44263-024-00042-9
6. Suwedi-Kapesa L C, Nyondo-Mipando A L, Choko A, Obasi A, MacPherson P, Desmond N. Process Evaluation of Services for HIV-Infected Post-Partum Women and HIV-Exposed Infants in Primary Health Care Blantyre Malawi. *Health Serv Insights*. Published online 2024. doi:10.1177/11786329231224623
7. Carter N, Webb E L, Lebina L, Motsomi K, Bosch Z, Martinson N A, MacPherson P. Prevalence of Subclinical Pulmonary Tuberculosis and Its Association with HIV in Household Contacts of Index Tuberculosis Patients in Two South African Provinces: A Secondary, Cross-Sectional Analysis of a Cluster-Randomised Trial. *BMC Global and Public Health*. 2023;(1):21. doi:10.1186/s44263-023-00022-5
8. Savage H R, Rickman H M, Burke R M, Odland M L, Savio M, Ringwald B, Cuevas L E, MacPherson P. Accuracy of Upper Respiratory Tract Samples to Diagnose Mycobacterium Tuberculosis: A Systematic Review and Meta-Analysis. *Lancet Microbe*. Published online September 2023. doi:10.1016/S2666-5247(23)00190-8
9. Schade A T, Sabawo M, Nyamulani N, Mpanga C C, Ngoie L B, Metcalfe A J, Lalloo D G, Madan J J, Harrison W J, MacPherson P. Functional Outcomes and Quality of Life at 1-Year Follow-up after an Open Tibia Fracture in Malawi: A Multicentre, Prospective Cohort Study. *The Lancet Global Health*. Published online September 2023. doi:10.1016/S2214-109X(23)00346-7
10. Graham S M, Maqungo S, Laubscher M, Ferreira N, Held M, Harrison W J, Simpson A H, MacPherson P, Lalloo D G. Is Human Immunodeficiency Virus a Risk Factor for the Development of Nonunion?—A Case–Control Study. *OTA International*. 2023;(2). doi:10.1097/OI9.0000000000000251
11. Kangogo G, Conserve D F, Kayuni S, Kumwenda M K, Dovel K L, Chirombo J, MacPherson P, Corbett E L, Butterworth A, Choko A T. Correlates of Prior HIV Testing and Schistosomiasis Treatment: Baseline Survey Findings from the "Creating Demand for Fishermen's Schistosomiasis HIV Services" (FISH) Cluster-Randomized Trial in Mangochi, Malawi. *PLoS Negl Trop Dis*. 2023;(5). doi:10.1371/journal.pntd.0010654
12. Nightingale E S, Feasey H R A, Khundi M, Soko R N, Burke R M, Nliwasa M, Twabi H, Mpunga J A, Fielding K, MacPherson P, Corbett E L. Community-Level Variation in TB Testing History: Analysis of a Prevalence Survey in Blantyre, Malawi. *medRxiv*. Published online May 2023:2023. doi:10.1101/2023.04.28.23289249
13. Burke R M, Nliwasa M, Dodd P J, Feasey H R, Khundi M, Choko A, Nzawa-Soko R, Mpunga J, Webb E L, Fielding K, MacPherson P, Corbett E L. Impact of Community-Wide Tuberculosis Active Case Finding and HIV Testing on Tuberculosis Trends in Malawi. *Clin Infect Dis*. Published online April 2023. doi:10.1093/cid/ciad238
14. Divala T H, Corbett E L, Kandulu C, Moyo B, MacPherson P, Nliwasa M, French N, Sloan D J, Chiume L, Ndaferankhande M J, Chilanga S, Majiga S T, Odland J Ø, Fielding K L. Trial-of-Antibiotics to Assist Tuberculosis Diagnosis in Symptomatic Adults in Malawi (ACT-TB Study): A Randomised Controlled Trial. *Lancet Glob Health*. 2023;(4). doi:10.1016/S2214-109X(23)00052-9
15. Dodd P J, Shaweno D, Ku C C, Glaziou P, Pretorius C, Hayes R J, MacPherson P, Cohen T, Ayles H. Transmission Modeling to Infer Tuberculosis Incidence Prevalence and Mortality in Settings with Generalized HIV Epidemics. *Nat Commun*. 2023;(1):1–10. doi:10.1038/s41467-023-37314-1
16. Burke R M, Twabi H H, Johnston C, Nliwasa M, Gupta-Wright A, Fielding K, Ford N, MacPherson P, Corbett E L. Interventions to Reduce Deaths in People Living with HIV Admitted to Hospital in Low- and Middle-Income Countries: A Systematic Review. *PLOS Global Public Health*. 2023;(2). doi:10.1371/journal.pgph.0001557
17. Chirombo J, Majamanda A, Gunsaru V, Yosefe S, Ozituosauka W, Mchoma C, Morroni C, Chipeta E, MacPherson P, Freyne B. The Prevalence of Gestational Syphilis in Malawi between 2014 and 2022: Spatiotemporal Modeling of Population-Level Factors. *Front Public Health*. Published online 2023:1242870. doi:10.3389/fpubh.2023.1242870
18. Feasey H R A, Khundi M, Soko R N, Bottomley C, Chiume L, Burchett H E D, Nliwasa M, Twabi H H, Mpunga J A, MacPherson P, Corbett E L. Impact of Active Case-Finding for Tuberculosis on Case-Notifications in Blantyre, Malawi: A Community-Based Cluster-Randomised Trial (SCALE). *PLOS Glob Public Health*. 2023;(12). doi:10.1371/journal.pgph.0002683



19. Feasey H R A, Khundi M, Nzawa Soko R, Nightingale E, Burke R M, Henrion M Y R, Phiri M D, Burchett H E, Chiume L, Nliwasa M, Twabi H H, Mpunga J A, MacPherson P, Corbett E L. Prevalence of Bacteriologically-Confirmed Pulmonary Tuberculosis in Urban Blantyre, Malawi 2019-20: Substantial Decline Compared to 2013-14 National Survey. *PLOS Glob Public Health*. 2023;(10). doi:10.1371/journal.pgph.0001911
20. Gray A T, Macpherson L, Carlin F, Sossen B, Richards A S, Kik S V, Houben R M G J, MacPherson P, Quartagno M, Rogozińska E, Esmail H. Treatment for Radiographically Active, Sputum Culture-Negative Pulmonary Tuberculosis: A Systematic Review and Meta-Analysis. *PLoS One*. 2023;(11). doi:10.1371/journal.pone.0293535
21. MacPherson E E, Mankhomwa J, Dixon J, Pongolani R, Phiri M, Feasey N, O'Byrne T, Tolhurst R, MacPherson P. Household Antibiotic Use in Malawi: A Cross-Sectional Survey from Urban and Peri-Urban Blantyre. *PLOS Global Public Health*. Published online 2023.
22. McQuaid C F, Henrion M Y R, Burke R M, MacPherson P, Nzawa-Soko R, Horton K C. Inequalities in the Impact of COVID-19-Associated Disruptions on Tuberculosis Diagnosis by Age and Sex in 45 High TB Burden Countries. *BMC Med*. 2022;(1):432. doi:10.1186/s12916-022-02624-6
23. Mungai B, Ong'angò J, Ku C C, Henrion M Y R, Morton B, Joekes E, Onyango E, Kiplimo R, Kirathe D, Masini E, Sitienei J, Manduku V, Mugi B, Squire S B, MacPherson P, Consortium T I. Accuracy of Computer-Aided Chest X-Ray in Community-Based Tuberculosis Screening: Lessons from the 2016 Kenya National Tuberculosis Prevalence Survey. *PLOS Global Public Health*. 2022;(11). doi:10.1371/journal.pgph.0001272
24. Rickman H M, Kamchedzera W, Schwalb A, Phiri M D, Ruhwald M, Shanaube K, Dodd P J, Houben R M G J, Corbett E L, MacPherson P. Know Your Tuberculosis Epidemic—Is It Time to Add Mycobacterium Tuberculosis Immunoreactivity Back into Global Surveillance?. *PLOS Global Public Health*. 2022;(10). doi:10.1371/journal.pgph.0001208
25. Kaswaswa K, MacPherson P, Kumwenda M, Mpunga J, Thindwa D, Nliwasa M, Mwapasa M, Odland J, Tomoka T, Chipungu G, Mukaka M, Corbett E L. Effect of Patient-Delivered Household Contact Tracing and Prevention for Tuberculosis: A Household Cluster-Randomised Trial in Malawi. *PLOS ONE*. 2022;(9). doi:10.1371/journal.pone.0269219
26. Székely R, Sossen B, Mukoka M, Muyoyeta M, Nakabugo E, Hella J, Nguyen H V, Ubolyam S, Chikamatsu K, Macé A, Vermeulen M, Centner C M, Nyangu S, Sanjase N, Sasamalo M, Dinh H T, Ngo T A, Manosuthi W, Jirajariyavej S, Mitarai S, Nguyen N V, Avihingsanon A, Reither K, Nakiyingi L, Kerkhoff A D, MacPherson P, Meintjes G, Denkinge C M, Ruhwald M, Consortium F S. Multicentre Accuracy Trial of FUJIFILM SILVAMP TB LAM Test in People with HIV Reveals Lot Variability. *medRxiv*. Published online September 2022:2022. doi:10.1101/2022.09.07.22278961
27. Thindwa D, Jambo K C, Ojal J, MacPherson P, Dennis Phiri M, Pinsent A, Khundi M, Chiume L, Gallagher K E, Heyderman R S, Corbett E L, French N, Flasche S. Social Mixing Patterns Relevant to Infectious Diseases Spread by Close Contact in Urban Blantyre, Malawi. *Epidemics*. Published online September 2022:100590. doi:10.1016/j.epidem.2022.100590
28. Mukoka M, Twabi H H, Msefula C, Semphere R, Ndhlovu G, Lipenga T, Sikwese T D, Malisita K, Choko A, Corbett E L, MacPherson P, Nliwasa M. Utility of Xpert MTB/RIF Ultra and Digital Chest Radiography for the Diagnosis and Treatment of TB in People Living with HIV: A Randomised Controlled Trial (XACT-TB). *Trans R Soc Trop Med Hyg*. Published online August 2022. doi:10.1093/trstmh/trac079
29. Khundi M, Carpenter J R, Corbett E L, Feasey H R A, Soko R N, Nliwasa M, Twabi H, Chiume L, Burke R M, Horton K C, Dodd P J, Cohen T, MacPherson P. Neighbourhood Prevalence-to-Notification Ratios for Adult Bacteriologically-Confirmed Tuberculosis Reveals Hotspots of Underdiagnosis in Blantyre, Malawi. *PLOS ONE*. 2022;(5). doi:10.1371/journal.pone.0268749
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31. Burke R M, Nyirenda S, Twabi H H, Nliwasa M, Joekes E, Walker N, Nyirenda R, Gupta-Wright A, Fielding K, MacPherson P, Corbett E L. Design and Protocol for a Cluster Randomised Trial of Enhanced Diagnostics for Tuberculosis Screening among People Living with HIV in Hospital in Malawi (CASTLE Study). *PLOS ONE*. 2022;(1). doi:10.1371/journal.pone.0261877
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## Previous Positions

Date	Position	Institute
2017-2022	Reader & Wellcome Fellow	Liverpool School of Tropical Medicine, UK
2017-2022	Head of Public Health Group	Malawi-Liverpool-Wellcome Programme
2014-2017	Academic Clinical Lecturer in Public Health	University of Liverpool, UK
2014-2017	Honorary Clinical Lecturer	Liverpool School of Tropical Medicine, UK
2016-2017	Acting Consultant in Communicable Disease Control	Public Health England, UK
2013-2016	Specialty Trainee in Public Health Medicine	UK Public Health Specialty Training Scheme (NTN: MER/930/009/C)
2009-2013	Wellcome Trust Clinical PhD Fellow	Liverpool School of Tropical Medicine, UK & MLW, Malawi
2007-2009	Senior Medical Officer HIV/AIDS	Rixile ART Clinic, Tintswalo Hospital, Mpumalanga, South Africa
2007-2007	Senior House Officer Community Paediatrics & Surgery	Royal Alexandra Children's Hospital, Brighton, UK
2006-2007	Senior House Officer Paediatric Medicine	Royal Alexandra Children's Hospital, Brighton, UK
2006-2006	Senior House Officer Emergency Medicine	Royal Sussex County Hospital, Brighton, UK
2005-2006	Senior House Officer Neurosurgery	Hurstwood Park Neurological Centre, Haywards Heath, UK
2005-2005	Intern	WHO Regional Office for Europe, Copenhagen, Denmark
2004-2004	Pre-Registration House Officer General Surgery	Borders General Hospital, Melrose, Scotland, UK
2003-2004	Pre-Registration House Officer – Gastro. and Hepatology	Aberdeen Royal Infirmary, Aberdeen, Scotland, UK