



James WILSON

Curriculum vitae – September 2025

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Full-time Education

- 2022 – 2026 **Doctorate of Philosophy in Clinical Medicine (DPhil)**
University of Oxford
- Sep – Dec 2017 **Professional Diploma in Tropical Medicine and Hygiene (DTM&H)**
London School of Hygiene & Tropical Medicine
- 2009 – 2013 **Bachelor of Medicine and Surgery (MBChB)**
University of Warwick, 4-year graduate entry course
- 2008 – 2009 **Masters in Medical Statistics (MSc)**
London School of Hygiene & Tropical Medicine (full scholarship)
- 2003 – 2007 **Masters in Physics (MPhys)**
University of Oxford, 1st Class

Doctoral Thesis

Title *Harnessing Individual Participant Data from Clinical Trials to Predict Relapse in Visceral Leishmaniasis*

Supervisors Prof Philippe Guérin || Prof Ahmed Musa || Dr Prabin Dahal

Details Planned submission - January 2026 || 3-page summary: <https://tinyurl.com/6jp9v2v4>

Selected Qualifications and Certifications

- May 2022 **Combined Infection Certificate Examination (CICE)**
Royal College of Pathologists
- June 2022 **Liverpool Neurological Infectious Diseases Course**
Liverpool Brain Infections Group
- Mar 2019 **Advanced Life Support Course (ALS)**
Resuscitation Council UK
- Nov 2016 **Essentials in Clinical Education Postgraduate Award**
Warwick Medical School; 1-week full-time course
- Jun 2016 **Membership of the Royal College of Physicians (MRCP)**
Royal College of Physicians, Part 1: Sept 2014; Part 2: May 2015; PACES: June 2016

Employment and Experience

Training Programme

- 2019 – 2022 **Core Infection Training – Infectious Diseases and Internal Medicine**
North West Region (Manchester)
 - Aug 2019 – Feb 2020 Infectious Diseases, North Manchester General Hospital
 - Feb 2020 – Feb 2021 Internal Medicine (various rotations), Blackpool Victoria Hospital
 - Feb 2021 – Aug 2021 Infectious Diseases, North Manchester General Hospital
 - Aug 2021 – Aug 2022 Microbiology, Salford Royal Hospital
 - Aug 2022 – Oct 2022 Infectious Diseases, North Manchester General Hospital

2015 – 2017 **Core Medical Training**

London North West Foundation School

Aug 2015 – Dec 2015 Oncology, Charing Cross Hospital

Dec 2015 – Apr 2016 Acute medicine, Northwick Park Hospital

Apr 2016 – Aug 2016 Cardiology, Hammersmith Hospital

Aug 2016 – Dec 2016 Infectious Diseases, Hammersmith Hospital

Dec 2016 – Apr 2017 Gastroenterology, Barnet General Hospital

Apr 2017 – Aug 2017 Respiratory Medicine, Northwick Park Hospital

2013 – 2015 **Academic Foundation Programme**

North Central Thames Foundation School

Aug 2013 – Dec 2013 Respiratory Medicine, Barnet General Hospital

Dec 2013 – Apr 2014 Care of the Elderly, Barnet General Hospital

Apr 2014 – Aug 2014 General Surgery, Barnet General Hospital

Aug 2014 – Dec 2014 Care of the Elderly, University College Hospital

Dec 2014 – Apr 2015 Accident and Emergency, University College Hospital

Apr 2015 – Aug 2016 Academic hepatology, Royal Free Hospital

Additional Employment and Experience

2020 – 2022 **Regional Trainee Representative, North West Region - Manchester**

- Represented trainees' interests at regular meetings with Health Education England-North West
- Liaised with regional training programme directors to address and resolve training issues.
- Assisted in organising and delivering regional infection teaching days.

Sep 2018 – Jul 2019 **Research Fellow, Innovation for Health and Development**

- Led local research team investigating technology-appropriate drug susceptibility testing techniques.
- Supported a randomised controlled trial on socioeconomic incentives to improve TB treatment adherence and outcomes (<https://ifhad.org>).
- Supervised by Prof Carlton Evans; funded by Imperial College Charity and indirectly through World Bank, Wellcome Trust.

Jan – Jun 2018 **Junior Research Fellow (part-time, funded), TB Centre, London School of Hygiene & Tropical Medicine**

- Co-led systematic review and meta-analysis commissioned by WHO updating TB infection control guidelines

Jan – Aug 2018 **Senior Clinical Fellow in Respiratory Medicine and Infectious Diseases, Northwick Park Hospital**

- Worked at ST3 level in a busy district general hospital

| Awards and Prizes

2022 **DPhil Funding**

- Full fees with stipend
- Clarendon Scholarship, Clinician-Investigator Award (University of Oxford)
- Internal award (Infectious Diseases Data Observatory, through Wellcome Grant).

2020 **Quality Improvement Prize Blackpool Teaching Hospitals NHS Foundation Trust**

- 1st prize in an annual competition, open to all staff members.
- Awarded for the development, presentation and implementation of rapid COVID-19 response guidelines.

2018 **Imperial College Charity Award**

- Competitive research fellowship for tuberculosis-related research in Lima, Peru.

2013 **Warwick Medical School Prizes**

- *WPH Charitable Trust Gold Medal* – Awarded to the student achieving the highest total percentage for written and clinical examinations.
- *The M and J McCarthy Prize for Consistent Performance* – Awarded to the student who has performed consistently throughout the medical school programme.
- *The Faculty of Medicine Clinical Prize* – Awarded to the student who has the highest total mark of clinical examination.

| Selected Quality Improvement and Audit Projects

- 2022 **Cefazolin procurement** *Northern Care Alliance NHS Foundation Trust*
- Led trust-wide formulary application for cefazolin in *Staphylococcus aureus* bacteraemia management.
 - Applied an evidence-based approach, engaging hospital leadership to align clinical and operational priorities.
 - Achieved successful approval (July 2022), improving treatment options for dialysis patients and those with penicillin allergy.
- 2021 **CO-GENT audit** *NITCAR collaborative*
- Lead analyst of national audit on gentamicin prescribing practices and adverse outcomes.
 - Ongoing collaborative work with team of infectious diseases trainees based in the North West <https://nitcollaborative.org.uk/wp/>.
- 2020 **COVID-19 response** *Blackpool Teaching Hospitals NHS Foundation Trust*
- Collaborated across respiratory, microbiology and audit teams to develop and disseminate COVID-19 diagnostic, management, and infection control guidelines.
 - Led root cause analyses with microbiology and Public Health England to address nosocomial COVID-19 transmission.
 - Delivered ward-based outreach interventions, strengthening infection prevention and control across the trust.
- 2020 **Guideline development: CAP** *Blackpool Teaching Hospitals NHS Foundation Trust*
- Led the updating of trust-wide guidelines on the management of community-acquired pneumonia.
 - Guidelines ratified and implemented early 2021.
- 2017 **Guideline development: CMV infection in inflammatory bowel disease** *Royal Free London NHS Foundation Trust*
- Led a trust-wide audit on the diagnosis and management of CMV colitis in patients with IBD, identifying wide range of practice.
 - Through engagement with local virology, gastroenterology and hospital management teams, I led the development of consolidated guidelines (approved 2018).
 - Audit cycle completed, presented locally and internationally (ECCMID 2018).

| Teaching

Extensive experience teaching medical students and junior doctors (PACES, ward-based, small group). Regular presenter at local seminars and meetings.

- 2024 – ongoing **Guest lecturer in statistics and epidemiology**, MSc in International Health and Tropical Medicine (IHTM), University of Oxford.
- 2023 – ongoing **Co-lead of statistics and epidemiology module**, MSc in Modelling for Global Health, University of Oxford
- 2023 – ongoing **WHO/TDR fellow tutor and mentor**, Infectious Diseases Data Observatory, University of Oxford

| Publications

*DPhil-related manuscripts currently being drafted or undergoing co-author review not listed. *First or joint-first authorship*

- Dahal P. . . **Wilson JP**, et al. Blood transfusion in the care of patients with visceral leishmaniasis: a review of practices in therapeutic efficacy studies. *Trans R Soc Trop Med Hyg.* 2024 Aug 5;118(8):481-490. doi: 10.1093/trstmh/trae018
- ***Wilson JP**, et al. Prognostic Models Predicting Clinical Outcomes in Patients Diagnosed with Visceral Leishmaniasis: A Systematic Review. *medRxiv.* 2024 March 20:24304622. doi: 10.1101/2024.03.20.24304622. [preprint undergoing peer review BMJ Global Health].
- Munir A. . . **Wilson JP**, et al. Haematological dynamics following treatment of visceral leishmaniasis: a protocol for systematic review and individual participant data (IPD) meta-analysis. *BMJ Open.* 2023 Dec 14;13(12):e074841. doi: 10.1136/bmjopen-2023-074841.
- Kumar R. . . **Wilson JP**, et al. Host, parasite and drug determinants of clinical outcomes following treatment of visceral leishmaniasis: a protocol for individual participant data meta-analysis. *BMJ Open.* 2023 Oct 28;13(10):e074679. doi: 10.1136/bmjopen-2023-074679

- ***Wilson JP**, et al. Prognostic prediction models for clinical outcomes in patients diagnosed with visceral leishmaniasis: protocol for a systematic review. *BMJ Open*. 2023 Oct 24;13(10):e075597. doi: 10.1136/bmjopen-2023-075597.
- Bailon N... **Wilson JP**, et al. A controlled evaluation of filter paper use during staining of sputum smears for tuberculosis microscopy. *Wellcome Open Res*. 2023 Apr 14;8:171. doi: 10.12688/wellcomeopenres.18827.1
- Scott NA... **Wilson JP**, et al. Monocyte migration profiles define disease severity in acute COVID-19 and unique features of long COVID. *Eur Respir J*. 2023 May 11;61(5):2202226. doi: 10.1183/13993003.02226-2022
- *Bradley P, **Wilson JP**, et al. Conventional oxygen therapy versus CPAP as a ceiling of care in ward-based patients with COVID-19: a multi-centre cohort evaluation. *EClinicalMedicine*, October 2021. 10.1016/j.eclinm.2021.101122
- *Calderwood CJ, **Wilson JP**, et al. Dynamics of sputum conversion during effective tuberculosis treatment: A systematic review and meta-analysis. *PLOS Medicine*, April 2021. 10.1371/journal.pmed.1003566
- ***Wilson JP**, Bonington A. Blood-borne virus transmission from patient to surgeon: what do I need to know? *BJUI Knowledge*, March 2021. 10.18591/BJUIK.033
- Bradley P... **Wilson JP**, et al. Continuous positive airway pressure (CPAP) as a ceiling of care treatment for hypoxaemic respiratory failure due to COVID-19. *Journal of the Intensive Care Society*, February 2021. 10.1177/1751143721996538
- ***Wilson JP**, et al. Lick of death: *Capnocytophaga canimorsus* is an important cause of sepsis in the elderly. *BMJ Case Reports*, May 2016. 10.1136/bcr-2016-215450
- Hawley C, **Wilson JP**, et al. Epidemiology of paediatric minor head injury; Comparison of injury characteristics with Indices of Multiple Deprivation. *Injury*, 2013. 0.1016/j.injury.2013.07.021

| Selected Oral Presentations

- **Predicting Outcomes in Visceral Leishmaniasis**. American Society of Tropical Medicine & Hygiene Annual Meeting. 13-17th November 2024. New Orleans, USA.
- **Prognostic models predicting clinical outcomes in patients diagnosed with visceral leishmaniasis: a systematic review**. Médecins Sans Frontières Scientific Days 2024. 16th May 2024. London. doi: 10.57740/9SthRqK
- **Peering into the crystal ball: can we predict which patients with visceral leishmaniasis fail treatment?** Oxford Tropical Network 2024 Conference. 29th January - 1st February 2024. Bangkok, Thailand.
- **Diagnostic sensitivity and time-to-detection of the MDR/XDR-TB Colour Test..** 50th Union World Conference on Lung Health. 30th October - 2nd November 2019. Hyderabad, India

| Additional Skills and Interests

- Fluent in Spanish (C1 level).
- Proficient in statistical computing (R software, Stata).
- Amateur cellist. Frequently perform with the Radcliffe Orchestra (principal cellist), Oxford Chamber Orchestra, Arcadian Opera.

| Poster Presentations

Available on request.

| References

Available on request.