

**Curriculum Vitae of**

**Manish Pareek MBChB (Hons) BMedSci (Hons)  
MSc (Distinction) PhD DIC MRCP (UK)  
DTM&H (Distinction)**

**NIHR Post-doctoral Fellow/Senior Clinical Lecturer  
Infectious Diseases**

**University of Leicester/  
University Hospitals Leicester NHS Trust**

## Personal Details

Name	Manish Pareek
Address	5 Kinchley Close, Glenfield Leicester LE3 9SE United Kingdom.
Telephone	07815 772478
e-mail	manpareek@hotmail.com
Place of Birth	Chester, United Kingdom
Nationality	British
Date of Birth	25th May 1977
GMC Registration Number	6025273

## Education and Qualifications

### *Postgraduate*

<b>2012</b>	<b>Imperial College, London</b>
Degree Awarded	April 2012: Doctor of Philosophy (PhD) (Pass, no corrections)
<b>2008</b>	<b>Imperial College, London</b>
Degree Awarded	September 2008: MSc in Modern Epidemiology with Distinction
Degree Awarded	September 2008: Diploma of Imperial College (DIC)
<b>2006</b>	<b>Liverpool School of Tropical Medicine</b>
Degree Awarded	December 2006: Diploma in Tropical Medicine and Hygiene with Distinction
<b>2003-2004</b>	<b>Royal College of Physicians</b>
Degree Awarded	March 2004: Member of Royal College of Physicians (UK)

### *Undergraduate*

<b>1995 - 2001</b>	<b>University of Birmingham, Birmingham, UK</b>
Degree Awarded	July 2001: MBChB with Honours
Degree Awarded	July 1999: BMedSci(Hons) (Public Health &Epi) (1 <sup>st</sup> Class)
Distinction Subjects	Paediatrics General Practice
Honours Subjects	Psychiatry Orthopaedics SSM 8: Elective project Public Health and Epidemiology Project Epilepsy Module: Febrile Seizures Cardiovascular and Respiratory Medicine Neuroscience Digestive System Ethics and Health Care Disability Studies Immunology

## Grant, Awards, Prizes and Invited Lectures

### Grants

- Migrant screening for blood-borne viruses (total award: £54,820). Gilead Sciences (1/10/16 - 1/10/18). PI: Manish Pareek.
- Pharmacy-based dried-blood spot testing for blood-borne viruses (total award: £31,870). Gilead Sciences (1/10/16 - 1/8/18). co-PI: Manish Pareek.
- NIHR Strategic Funding (2016-2017). Migrant screening focus groups (total award: £16,995). PI: Manish Pareek.
- NIHR Post-doctoral fellowship: Impact, acceptability and cost-effectiveness of identifying infectious diseases amongst migrants in primary care (total award: £497,352) PI: Manish Pareek
- University of Leicester Santander Travel Award. Developing collaboration with European researchers in migrant health (total award £250). PI: Manish Pareek
- Acceptability, effectiveness and cost-effectiveness of screening for latent TB in HIV positive individuals (total award: £1000). BHIVA SPR Award (Helena White MD student). PI/Supervisor: Manish Pareek
- European Public Health Association workshop: Infectious disease and migration in Europe: towards effective screening (total award: £5000). National Centre for Infectious Disease Control, Netherlands. Co-applicant: Manish Pareek
- National Institute for Health Research Academic Clinical Lectureship
- Medical Research Council 1+3 Capacity Building PhD Studentship
- Yorke-Williams studentship (BMedSci funding)

### Professional Awards

- International Union Against Tuberculosis and Lung Disease Young Innovator in TB research 2016
- NICE Scholarship 2013-2014
- Barnett Christie lecture 2012
- National Institute for Health Research Academic Clinical Lectureship
- Medical Research Council 1+3 Capacity Building PhD Studentship
- Best clinical lesson: “Man Flu” British Infection Society Annual Meeting 2007

### National Prizes

- Society for Reproductive and Infant Psychology prize
- Yorke-Williams studentship (BMedSci funding)

### University Prizes

- Sir Arthur Thomson Scholarship
- Pathological Sciences Project Prize
- Birmingham Medical School Grand Round prize

### Invited Lectures/Advisory Groups

- ECDC.EU Advisory Group on migrant screening for infectious diseases. Stockholm, November 2015- ongoing
- IPPA International Migration Symposium. Migrant screening for tuberculosis. Prague, March 2016
- National Institute of Health (Rome, Italy). Cost-effectiveness of migrant screening for tuberculosis. Rome, May 2015.
- East Midlands TB strategy launch. Developing a migrant TB screening service. Nottingham, April 2015.
- UK National TB Workshop. Migrant tuberculosis. London, January 2015

- ICAAC Conference – Managing migrant TB (Washington September 2014)
- ECDC/EU Presidency Meeting on migrant health – Athens March 2014. Cost-effectiveness of migrant screening for tuberculosis.
- European Public Health Association workshop: Infectious disease and migration in Europe: towards effective screening. Brussels. November 2013.
- National workshop on formulating a national screening programme for latent tuberculosis in recent migrants to the UK. London. May 2013.
- Latent TB symposium: Imperial College London. Migrant screening for tuberculosis. London - April 2013.
- British Thoracic Society: immigrant screening for tuberculosis. London. December 2012.
- 2012 Barnett Christie lecture: Immigrant screening and tuberculosis. Birmingham November 2012.

## **Hospital Posts, Academic posts and clinical experience**

### **January 2015-present**

**University of Leicester/ University Hospitals of Leicester NHS Trust, Leicester**  
NIHR Post-doctoral Fellow/Senior Clinical Lecturer/Honorary Consultant in Infectious Diseases

### **August 2015-December 2015**

**University of Leicester/ University Hospitals of Leicester NHS Trust, Leicester**  
NIHR Academic Clinical Lecturer in Infectious Diseases/ Acting Consultant in Infectious Diseases/General Medicine

### **August 2014-present**

**Tuberculosis section, Public Health England**  
Honorary Specialist Registrar

### **April 2012-August 2015**

**University of Leicester/ University Hospitals of Leicester NHS Trust, Leicester**  
NIHR Academic Clinical Lecturer in Infectious Diseases/ Honorary Specialist Registrar in Infectious Diseases/General Medicine

### **October 2011-April 2012**

**University Hospitals of Leicester NHS Trust, Leicester**  
Specialist Registrar in Infectious Diseases/General Medicine

### **October 2007-September 2011**

**Imperial College, London**  
Medical Research Council 1+3 Capacity Building PhD studentship

### **February 2005-October 2007**

**University Hospitals of Leicester NHS Trust, Leicester**  
Specialist Registrar in Infectious Diseases/General Medicine

### **December 2004-February 2005**

**City Hospital NHS Trust, Birmingham**  
Honorary Senior House Officer in Medicine

### **August 2004-December 2004**

**St. Mary's NHS Trust, London**  
Senior House Officer in Intensive Care

### **August 2002-August 2004**

**City Hospital NHS Trust, Birmingham**

Senior House Officer in Medicine (Medical Rotation)

**February-August 2002**

**City Hospital NHS Trust**

Pre-registration house officer in General Medicine

Dr. Ryder and Dr. Iqbal (Lead Consultant Physicians)

**August 2001-February 2002**

**Queen Elizabeth Hospital, University Hospital Trust**

Pre-registration house officer in Urology and General Surgery

Mr. D.M.A Wallace (Consultant Urologist) and Mr. J. Fielding (Senior Lecturer)

## **Non-clinical experience**

### **Non-hospital experience**

- 3 month competitive research internship in the Outbreak Verification team within the division of Communicable Diseases Surveillance and Response at World Health Organisation headquarters, Geneva, Switzerland – various projects completed dealing with outbreak verification and cholera outbreaks related to clean water supplies
- Research elective at Department of Infectious Diseases, Johns Hopkins University, Baltimore – completed project comparing different screening methods for syphilis
- Four week research internship at Communicable Diseases Surveillance Centre, London – examining how sexual networks facilitate the spread of HIV

### **Teaching**

- University of Leicester medical students: small group session on travel medicine
- University of Leicester medical students: lecture on respiratory virus infections
- University Hospitals Leicester NHS Trust junior medical staff (FY1, FY2 and CMT): lectures on infectious disease emergencies and tuberculosis
- Imperial College London MPH/MSc degree: Introductory lecture on Tuberculosis
- Imperial College London BSc in Global Health degree: TB and immigration

### **Supervision**

- PhD student: Marie-jo Medina (with Professor Peter Andrew)
- MD student: Dr. Helena White (with Dr. Martin Wiselka)
- MD student: Dr. Andrew Rosser (with Dr. Galina Mukamolova)
- Intercalated medical student: Nayab Hussain (with Professor Karl Nicholson)

## Publications

### *Reviews/Leading articles*

- **Pareek M**, Greenaway C, Noori T, Munoz J and Zenner D. The impact of migration on tuberculosis epidemiology and control in high-income countries: a review. *BMC Medicine* 2016;14:48.
- Lalvani A, **Pareek M**, Berrocal Almanza LC. Pre-entry screening for tuberculosis: the need for better evidence. *Pathog Glob Health*. 2015 Mar;109(2):44-5.
- Thillai M, Pollock M, **Pareek M**, Lalvani A. Interferon-gamma release assays for TB: current and future applications. *Expert Rev Respir Med* 8(1):67-78
- Lalvani A, **Pareek M**. Immigrant screening for TB: a missed opportunity to improve TB control in the United Kingdom. *Pathog Glob Health*. 2012; 106(1):5-7.
- Lalvani A and **Pareek M**. A 100 year update on diagnosis of tuberculosis infection. *British Medical Bulletin* 2010; 93:69-84.
- Lalvani A and **Pareek M**. Interferon gamma release assays: principles and practice. *Spanish Journal of Infectious Diseases and Clinical Microbiology* 2010; 28(4):245-52.
- Stephenson I, Clark TW, **Pareek M**. Antiviral treatment and prevention of seasonal influenza: a comparative review of recommendations in the European Union. *J Clin Virol* 2008; 42(3):244-8.
- **Pareek M**, Stephenson I. Clinical evaluation of vaccines for pandemic influenza H5N1. *Br J Hosp Med*. 2007; 68(2):80-4.
- Democratis J, **Pareek M**, Stephenson I. Use of neuraminidase inhibitors to combat pandemic influenza. *J Antimicrob Chemother*. 2006; 58(5):911-5.

### *Selected papers*

- White HA, Miller RF, Pozniak AL, Lipman MC, Stephenson I, Wiselka MJ, Pareek M. Latent tuberculosis infection screening and treatment in HIV: insights from evaluation of UK practice. *Thorax* 2016 (in press)
- Venkatraman N, King T, Bell D, Woltmann G, Wiselka M, Abubakar I, **Pareek M**. High levels of neurological involvement but low mortality in military tuberculosis: a six-year case-series from the United Kingdom. *European Respiratory Journal* 2016 (in press).
- Atchison C, Zenner D, Barnett L, **Pareek M**. Treating latent TB in primary care: a survey of enablers and barriers among UK General Practitioners. *BMC Infect Dis*. 2015 13;15:331
- **Pareek M**, Innes J, Sridhar S, Grass L, Connell D, Woltmann G, Wiselka M, Martineau AR, Kon OM, Dedicoat M, Lalvani A. Vitamin D deficiency and TB disease phenotype. *Thorax*. 2015;70(12):1171-80.
- Rosser A, Wiselka MJ, **Pareek M**. Rat bite fever: an unusual cause of a maculopapular rash. *Postgrad Med J* 2014; 90:236-237.
- Baussano I, Mercadante S, **Pareek M**, Lalvani A, Bugiani MD. High rates of M. tuberculosis transmission, infection and disease among socially marginalized immigrants in a low incidence area (Turin, Italy). *Emerg Inf Dis* 19(9):1437-1445.
- Zhang LF, Liu XQ, Zhang Y, Deng GH, **Pareek M**, Lalvani A. A prospective longitudinal study evaluating a T-cell-based assay for latent tuberculosis infection in health-care workers in a general hospital in Beijing. *Chin Med J* 2013;126(11):2039-44.
- **Pareek M**, Bond M, Shorey J, Seneviratne S, Guy M, White P, Lalvani A, Kon OM. Community-based evaluation of immigrant tuberculosis screening using interferon  $\gamma$  release assays and tuberculin skin testing: observational study and economic analysis. *Thorax* 2013; 68:230-239.
- **Pareek M**, Evans J, Innes J, Smith G, Hingley-Wilson S, Loughheed KE, Sridhar S, Dedicoat M, et al. Ethnicity and mycobacterial lineage as determinants of tuberculosis disease phenotype. *Thorax* 2013; 68:221-229.
- **Pareek M**, Baussano I, Abubakar I, Dye C, Lalvani A. Evaluation of immigrant tuberculosis screening in industrialized countries. *Emerg Infect Dis* 2012; 18:1422-1429.



- Pollock KM, Tam H, Grass L, Bowes S, Cooke GS, **Pareek M**, Montamat-Sicotte D, Kapembwa M, Taylor GP, Lalvani A. Comparison of screening strategies to improve the diagnosis of latent tuberculosis infection in the HIV-positive population: a cohort study. *BMJ Open*. 2012 Mar 1; 2(2):e000762.
- Thillai M, Potiphar L, Eberhardt C, **Pareek M**, Dhawan R, Kon OM, Wickremasinghe M, Wells A, Mitchell D, Lalvani A. Obstructive lung function in sarcoidosis may be missed, especially in older white patients. *Eur Respir J*. 2012 Mar;39(3):775-7.
- **Pareek M**, Watson JP, Ormerod LP, Kon OM, Woltmann G, White PJ, Abubakar I, Lalvani A. Screening of immigrants in the UK for imported latent tuberculosis: a multicentre cohort study and cost-effectiveness analysis. *Lancet Infect Dis*. 2011; 11(6):435-44.
- **Pareek M**, Abubakar I, White PJ, Garnett GP, Lalvani A. Tuberculosis screening of migrants to low-burden nations: insights from evaluation of UK practice. *Eur Respir J*. 2011; 37(5):1175-82.
- Clark TW, Daneshvar C, **Pareek M**, Perera N, Stephenson I. Enteric fever in a UK regional infectious diseases unit: a 10 year retrospective review. *J Infect* 2010; 60: 91-98.
- Clark TW\*, **Pareek M\***, Hoschler K, Dillon H, Nicholson KG, Groth N, Stephenson I.. Trial of Influenza A (H1N1) 2009 Monovalent MF59-Adjuvanted Vaccine. *N Engl J Med*. 2009; 361(25):2424-35 (\*joint first authors).
- Stephenson I, Democratis J, McNally T, Lackenby A, **Pareek M**, Nicholson K, Zambon M. Resistant influenza viruses in children treated with oseltamivir: phenotypic and genotypic analysis. *Clinical Infectious Diseases* 2009; 48(4):389-96.
- Desai AM, **Pareek M**, Nightingale PG, Fielding JW. Improving outcomes in gastric cancer over 20 years. *Gastric Cancer* 2004; 7(4): 196-201.
- Pattison HM, **Pareek M**, Moledina, S The applicability of Social Cognition Theories to Parental Behaviour and Children's Health. *Proceedings of the BPS* 2003, 11, 38.
- **Pareek M**, Pattison HM. The two-dose Measles, Mumps and Rubella immunisation schedule: factors affecting maternal intention to vaccinate. *BJGP*, 2000; 50: 969-971.

#### Book chapters

- Lalvani A, **Pareek M** and Pollock K. Immunodiagnosis of tuberculosis infection. In *Clinical Tuberculosis*. Ed: Davies PDO, Gordon SB, Davies G. Fifth Edition. CRC Press, London (2014).
- Lalvani A and **Pareek M**. Interferon gamma release assays in the diagnosis of latent tuberculosis infection. In *Tuberculosis: progress in diagnosis & treatment*. Ed: McHugh T. First Edition. CABI. London (2013).
- **Pareek M**, Pollock K, Lalvani A. Diagnosis in suspected infective disease. In *Oxford Diagnosis and Treatment in Internal Medicine*. Ed: Davey P and Sprigings D. First Edition. Oxford University Press. Oxford (in press).
- **Pareek M** and Lalvani A. Investigation in infection. In *Oxford Diagnosis and Treatment in Internal Medicine*. Ed: Davey P and Sprigings D. First Edition. Oxford University Press. Oxford (in press).
- Stephenson I, **Pareek M**. Virus infections of the respiratory tract. In *Oxford Desk Reference of Respiratory Medicine*. Ed: Maskell N, Millar A., First Edition. Oxford University Press. Oxford (2009).

#### Letters

- **Pareek M**, Abubakar I, White PJ, Garnett GP, Lalvani A. UK immigrant screening is inversely related to regional tuberculosis burden. *Thorax* 2011.
- **Pareek M**, Pattison HM. Advice in primary care affects parents' decision to take up MMR vaccination. *BMJ* 2001; 322: 1121.

#### Posters and Oral Presentation Abstracts

##### Posters

- Rosser A, Wiselka MJ, **Pareek M**. Rat bite fever: an unusual cause of a maculopapular rash. Infection (Federation of Infection Societies) Conference Birmingham: November 2013.
- Venkatraman N, King T, Woltmann G, Wiselka M, Bell D, **Pareek M**. Miliary tuberculosis: data from a modern case-series in the United Kingdom. British Thoracic Society Winter Meeting. London: December 2013.
- **Pareek M**, Evans J, Innes J, Smith EG, Hingley-Wilson S, Lougheed K, Sridhar S, Dedicoat M, Hawkey P, Lalvani A. Ethnicity and mycobacterial lineage as determinants of tuberculosis disease phenotype. European meeting of the International Union against Tuberculosis and Lung Disease: July 2012.
- **Pareek M**, Baussano I, Abubakar I, Dye C, Lalvani A. Evaluation of immigrant tuberculosis screening in industrialized countries. European meeting of the International Union against Tuberculosis and Lung Disease: July 2012.
- **Pareek M**, Abubakar I, White PJ, Garnett GP, Lalvani A. Inconsistent and incoherent? Methods of screening new-entrants for tuberculosis in the United Kingdom. British Thoracic Society Winter Meeting London: December 2009.
- Baussano I, **Pareek M**, Lazzarato F, White PJ, Lalvani A, Garnett GP. Modelling the impact of immigration on tuberculosis control in a low incidence country. EPIDEMICS<sup>2</sup>: International Conference on Infectious Disease Dynamics, Athens: December 2009.
- **Pareek M**, Kumar R, Stephenson I, Wiselka MJ. Spinal tuberculosis in Leicester: a case series of 52 patients. Federation of Infection Society Annual Meeting. Cardiff: December 2007.
- **Pareek M**, Dillon H, Clark T, et al. Healthcare workers and acceptance of pre-pandemic influenza vaccination. Federation of Infection Society Annual Meeting. Cardiff: December 2007.
- **Pareek M**, Malkin J, Wiselka M, et al. No point crying over spilt milk: a case of native valve *Lactobacillus paracasei* endocarditis. Federation of Infection Society Annual Meeting. Cardiff: December 2007.
- **Pareek M**, Thomas S, Grant AJ, Wiselka MW. Failure to refer patients with positive Hepatitis C tests: who is to blame? Federation of Infection Society Annual Meeting. Cardiff: December 2006.
- **Pareek M**, Wiselka MJ. Missed Opportunities for HIV testing. British Infection Society Annual Meeting, London: May 2006.
- Price V, **Pareek M**, and Wiselka M. Management of meningitis and knowledge of meningitis guidelines amongst medical staff in a large teaching hospital in England. 16th European Congress of Clinical Microbiology and Infectious Diseases. Nice: April 2006.
- Price V, **Pareek M**. Survey of doctors' knowledge about meningitis. Federation of Infection Society Annual Meeting. Cardiff: December 2005.
- **Pareek M**. Treatment of patients with Hepatitis C: How well are we doing in Leicester? British Infection Society Annual Meeting. London: May 2005.

#### *Conference Oral Presentations*

- **Pareek M**, Elliott I, Perera N, Stephenson I. Not (usually) on my turf! A clinical case of imported melioidosis from India. British Infection Association Annual Meeting, May 2015.
- **Pareek M**, Bond M, Shorey J, Seneviratne S, Guy M, Lalvani A, Kon O M. Community-based evaluation of immigrant TB screening using interferon gamma release assays and tuberculin skin testing: yields and cost-effectiveness. British Thoracic Society Winter Meeting London: December 2011.
- **Pareek M**, Watson JP, Ormerod LP, Kon OM, Woltmann G, Lalvani A. Prevalence of latent tuberculosis infection in immigrants to the UK: findings from a multi-centre study. British Thoracic Society Winter Meeting London: December 2010.
- **Pareek M**. Modelling the health impact and cost-effectiveness of screening new entrants to the UK for latent TB infection. British Infection Society Annual Meeting, London: May 2008
- **Pareek M**. Man Flu? A case of post influenza encephalopathy presenting as malignant catatonia. British Infection Society Annual Meeting, London: May 2007.

- **Pareek M.** Missed Opportunities for HIV testing. British Infection Society Annual Meeting, London: May 2006.
- **Pareek M.** Blind Faith: A case of secondary syphilis presenting as choroidoretinitis. Federation of Infection Societies Annual Meeting. Cardiff: December 2005
- **Pareek M.** Treatment of patients with Hepatitis C: How well are we doing in Leicester? British Infection Society Annual Meeting, London: May 2005.
- Invited presentation of BMedSci dissertation at national conference of the Society for Reproductive and Infant Psychology: *An application of the theory of planned behaviour to intention to vaccinate in mothers of children at different points in the MMR immunization schedule.*

#### *Medical School Presentations*

- Winner of Final year medicine grand round prize: Multi-Drug resistant TB

### **Management and Committees**

- Member of East Midlands TB board
- October 2013-present: Chair of Leicester migrant screening strategy group
- October 2013-present: Infectious Diseases trainee representative on East Midlands Higher Specialist trainee committee
- August 2013-present: Infectious Diseases trainee representative on East Midlands Higher Specialist trainee committee
- April 2012-present: Infectious Diseases lead for morbidity and mortality

### **Non-Medical**

#### **Information Technology**

- Experienced user with Microsoft Windows, Word, Excel and Powerpoint
- Very experienced with STATA, R and SPSS for a wide-range of statistics
- Able to programme using Berkeley Madonna (c based) and c++; currently learning MATLAB

#### **Languages**

- Fluent English and Hindi, basic French and German

#### **Aims**

- Pursue Academic career in Infectious Diseases/Public Health post CCST
- Involvement in health policy and NICE

## Referees

1. Professor Karl Nicholson  
Professor in Infectious Diseases  
Department of Infection and Tropical Medicine  
Leicester Royal Infirmary  
Infirmary Square  
Leicester
2. Dr. M. Wiselka  
Consultant in Infectious Diseases  
Department of Infection and Tropical Medicine  
Leicester Royal Infirmary  
Infirmary Square  
Leicester
3. Dr. I. Stephenson  
Consultant in Infectious Diseases  
Department of Infection and Tropical Medicine  
Leicester Royal Infirmary  
Infirmary Square  
Leicester
4. Professor P. Andrew  
Department of Infection, Immunity and Inflammation  
University of Leicester  
Leicester