

DR. SANJAY BHATTACHARYA

Name: Dr. Sanjay Bhattacharya

Sex: Male

Designation: Senior Consultant (Department of Microbiology)

Work Contact Details:

Dr. Sanjay Bhattacharya
MD, DNB, DipRCPath, FRCPath, CCT (UK)
Consultant Microbiologist
Tata Medical Center
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Educational Qualifications.

Degree	Institution	Field	Year
MBBS	North Bengal Medical College (University of North Bengal), Dist. Darjeeling (near Siliguri), West Bengal	Medical science	1994
MD	Jawaharlal Institute of Post-graduate Medical education and Research (Pondicherry University)	Microbiology	2000
DNB	National Board of Examinations (New Delhi)	Microbiology	2001
DipRCPath	Royal College of Pathologists, London, UK	Medical Microbiology	2004
FRCPath	Royal College of Pathologists, London, UK	Virology	2009

Details of Training and Experience

Specialty Training:

- Clinical Microbiology and Clinical Virology training in UK from 2002 to 2009.
- DipRCPath in Microbiology (2005) and FRCPath in Virology in 2009.
- Worked as a Senior House Officer in Clinical Microbiology at University Hospitals of Leicester, and then as a Specialist Registrar in Clinical Microbiology at University Hospitals of Coventry and Warwickshire, City Hospital (Birmingham), and subsequently as Specialist Registrar in Clinical Virology University Hospital Birmingham and at Health Protection Agency laboratory at Birmingham Heartlands Hospital.

Clinical Appointments

Date	Grade and Specialty	Place held	Teaching hospital/ University
01 Oct 2011 to till date	Senior Consultant in Microbiology	Tata Medical Center, Kolkata, India	Yes
02 August 2010 to 01 Oct 2011	Associate Consultant in Microbiology	Tata Medical Center, Kolkata, India	Yes
21 June to 09 July 2010	Consultant Microbiologist (locum)	West Suffolk Hospital NHS Trust, Bury St Edmunds, UK	Yes/ Cambridge
21 Dec 2009 to 20 June 2010	Consultant Virologist (locum)	King's College Hospital NHS Foundation Trust, London, UK	Yes/London
August 2009	Consultant Microbiologist (locum)	West Suffolk Hospital NHS Trust, Bury St Edmunds, UK	Yes/ Cambridge
Sept 2007 to July 2009	Specialist Registrar in Clinical Virology	Heart of England NHS Trust, Birmingham, UK	Yes/Birmingham
Sept 2006 to Sept 2007	Specialist Registrar in Clinical Virology	University Hospital Birmingham, UK	Yes/Birmingham

March 05 to Sept 2006	Specialist Registrar in Clinical Virology	Heart of England NHS Trust, Birmingham, UK	Yes/Birmingham
April 2004 to Feb 2005	Specialist Registrar in Clinical Microbiology	City Hospital, Birmingham, UK	Yes/Birmingham
Sept 2003 to April 2004	Specialist Registrar in Clinical Microbiology	University Hospitals Coventry & Warwickshire, UK	Yes/Warwick
Sept 2002 to Sept 2003	Senior House Officer, Clinical Microbiology	University Hospitals of Leicester, UK	Yes/Leicester
April 2000 to Sept 2002	Senior Resident in Microbiology	JIPMER, Pondicherry, India	Yes/Pondicherry
April 1997 to March 2000	Junior Resident in Microbiology	JIPMER, Pondicherry, India	Yes/Pondicherry
Sept 1996 to Jan 1997	Junior Resident in Pathology	AIIMS, New Delhi, India	Yes/AIIMS
Aug 1995 to Jan 1996	House staff in Neuro-Medicine	SSKM Hospital, Calcutta, India	Yes/Calcutta
Sept 2006 to Sept 2007	Specialist Registrar in Clinical Virology	University Hospital Birmingham, UK	Yes/Birmingham
March 05 to Sept 2006	Specialist Registrar in Clinical Virology	Heart of England NHS Trust, Birmingham, UK	Yes/Birmingham
April 2004 to Feb 2005	Specialist Registrar in Clinical Microbiology	City Hospital, Birmingham, UK	Yes/Birmingham
Sept 2003 to April 2004	Specialist Registrar in Clinical Microbiology	University Hospitals Coventry & Warwickshire, UK	Yes/Warwick
Sept 2002 to Sept 2003	Senior House Officer, Clinical Microbiology	University Hospitals of Leicester, UK	Yes/Leicester
April 2000 to Sept 2002	Senior Resident in Microbiology	JIPMER, Pondicherry, India	Yes/Pondicherry

		India	
April 1997 to March 2000	Junior Resident in Microbiology	JIPMER, Pondicherry, India	Yes/Pondicherry
Sept 1996 to Jan 1997	Junior Resident in Pathology	AIIMS, New Delhi, India	Yes/AIIMS

Memberships:

- Royal College of Pathologists, UK
- Indian Association of Medical Microbiologists
- Society for India Human and Animal Mycologists (SIHAM)

Research Projects:

Current:

"Application of real-time PCR for the diagnosis of invasive candidiasis and aspergillosis in immuno-compromised patients in an oncology center"
(DBT Mycology project)

Past:

Virology

1. Detection of antiviral drug resistance in hepatitis B virus by reverse hybridisation using INNO-LiPA HBV DR v2 line probe assay (done as part of MRCPATH project in Virology): 2008
2. Sero-epidemiology of Hepatitis C Virus (MD dissertation project in Microbiology in India)-1998-1999

Microbiology

3. Antibiotic resistance monitoring (Salmonella typhi, other Enterobacteriaceae)- JIPMER hospital, Pondicherry, India: 1997
4. Slime production and detection in coagulase negative staphylococci- JIPMER hospital, Pondicherry, India: 2001

Mycology

5. Antigen detection in Cryptococcal meningitis- JIPMER hospital, Pondicherry, India: 1998

Parasitology

6. Microscopic diagnosis of intestinal parasitic infections (JIPMER hospital, Pondicherry, India): 2001

Publications

(Highlighted publications are those from Tata Medical Center)

Bacteriology and Clinical Microbiology:

1. Dalen Rv, Gombert K, Bhattacharya S, Datta SS. **Mind the mind: Results of a hand-hygiene research in a state-of-the-art cancer hospital.** Indian J Med Microbiol. 2013 Jul-Sep;31(3):280-2. (Original article)
2. Bhattacharya S. **Early diagnosis of resistant pathogens: how can it improve antimicrobial treatment?** Virulence. 2013 Feb 15;4(2):172-84.
3. Bhattacharya S, Das D, Bhalchandra R, Goel G. **Patient isolation in the high-prevalence setting: challenges with regard to multidrug-resistant gram-negative bacilli.** Infect Control Hosp Epidemiol. 2013 Jun;34(6):650-1.
4. Bhattacharya S. **Economic considerations for an antimicrobial policy for patients with neutropenic fever in resource limited settings.** Journal of the Vivekananda Institute of Medical Sciences 2012;35(1): 12-25.
5. Bhattacharya S. **Is screening patients for antibiotic-resistant bacteria justified in the Indian context?** Indian J Med Microbiol. 2011 Jul-Sep;29(3):213-7.
6. Swann RA, Bhattacharya S. **Vancomycin-dependent Enterococcus.** Indian J Med Microbiol. 2011 Jan-Mar;29(1):71-2.
7. Bhattacharya S, Osman H. **BinaxNOW® - an immunochromatographic test for the diagnosis of human influenza viruses: comparison with viral culture and polymerase chain reaction.** Indian J Med Microbiol. 2011 Jan-Mar;29(1):19-21.
8. Bhattacharya S. **Clinical Microbiology: should microbiology be a clinical or laboratory specialty?** Indian J Pathol Microbiol 2010;53:217-221 (Review article) PMID: 20551520
9. Bhattacharya S and Mondal AS. **Clinical microbiology in the intensive care unit: strategic and operational characteristics.** Indian Journal of Medical Microbiology 2010;28:5-10. (Review article)
10. Bhattacharya S. **Out-of hours training and banding issues in Microbiology and Virology: using solid geometry to illustrate a simple point.** Bulletin of the Royal College of Pathologists Oct 2009;(148):327. (Letter)
11. Bhattacharya S. **Laboratory to clinical Microbiology: are we ready for a transition?** Indian J Med Microbiol 2009; 27: 97-99. (Guest Editorial) PMID: 19384029
12. Bhattacharya S. **ESBL- from Petri dish to the patient.** Indian J Med Microbiol 2006; 24: 20-24. (Special article) PMID: 16505550.
13. Bhattacharya S. **Blood culture in India: a proposal for a national programme for early detection of sepsis.** Indian J Med Microbiol 2005; 23: 220-226. (Special article) PMID: 16327116.
14. Partner AM, Bhattacharya S, Scott RA, Stavrou P. **Rothia genus endophthalmitis following penetrating injury in a child.** Eye. 2006; 20; 502-503. (Letter) PMID: 15877090.

15. Bhattacharya S, Livsey SA, Wiselka M, Bukhari SS. **Fusobacteriosis presenting as community acquired pneumonia.** Journal of Infection 2005; 50: 236-9. (Case report) PMID: 15780418.
16. Shanmuganathan C, Ananthakrishnan A, Jayakeerthi SR, Kanungo R, Kumar A, Bhattacharya S, Badrinath S. **Learning from an outbreak: ESBL- the essential points.** Indian J Med Microbiol 2004; 22(4): 255-257. (Outbreak Report) PMID: 17642750.
17. Karthik S, Bhattacharya S, Harish BN, Parija SC. **Detection of slime production by coagulase-negative Staphylococcus: an assessment of two methods.** Indian J Pathol Microbiol 2004; 47(1): 85-9. (Research paper) PMID: 15471145.
18. Kanungo R, Vijayalakshmi N, Nalini P, Bhattacharya S. **Diphtheria due to non-toxicogenic Corynebacterium diphtheriae: a report of two cases.** Indian J Med Microbiol 2002; 20(1): 50-52. (Case report) PMID: 17657027.
19. Kanungo R, Kumar A, Bhattacharya S, Badrinath S, Dutta TK, Das AK. **Problem of timely diagnosis of anthrax meningitis.** J Assoc Physicians India 2002; 50:913-915. (Review) PMID: 12126347.
20. Kanungo R, Padhan P, Bhattacharya S, Sriman Narayan J, Jayanthi S, Swaminathan RP. **Melioidosis- a report from Pondicherry, South India.** J Assoc Physicians India 2002; 50: 1438-9. (Case report) PMID: 12583480.
21. Sujatha S, Parija SC, Bhattacharya S, Sheela Devi C, Prabagaravarathanan, Puii JL, Kumar S. **Anthrax peritonitis: report of a rare case.** Tropical Doctor 2002; 32(4): 247-8. (Case report) PMID: 12405320.
22. Bhattacharya S, Vijayalakshmi N, Parija SC. **Uncultivable bacteria: implications and recent trends towards identification.** Indian J Med Microbiol 2002; 20(4): (Review article) PMID: 17657065.
23. Bhattacharya S, Parija SC. **Reporting trend of infectious diseases through case reports and brief reports published in Indian Pediatrics.** Indian Pediatrics 2002; 39(11): 1071-3. (Letter) PMID: 12466589.
24. Bhattacharya S, Kanungo R, Natarajan MK, Mahalakshmi VN, Srinivasan K. **Unimicrobial appendicitis due to non-vaccine serotype of Streptococcus pneumoniae: implications for management and prevention.** Indian J Med Microbiol 2001; 19(2): 101-102. (Case report) PMID: 17664810.
25. Karthikeyan K, Bhattacharya S, Thappa DM, Kanungo R. **Anthrax in an infant.** Indian Pediatr 2001; 38(7): 777-779. (Case report) PMID: 11463966.
26. Kumar A, Kanungo R, Bhattacharya S, Badrinath S, Dutta TK, Swaminathan RP. **Human anthrax in India: Urgent need for effective prevention.** J Common Dis 2000; 32(4): 240-246. (Review) PMID: 11668934.
27. Kanungo R, Kumar A, Bhattacharya S. **Antimicrobial resistance among common bacterial respiratory pathogens.** Indian J Med Microbiol 2000; 18 (2): 55-61. (Review article)

Virology

1. Ahmed R, Bhattacharya S. **Universal screening versus universal precautions in the context of preoperative screening for HIV, HBV, HCV in India.** Indian J Med Microbiol. 2013 Jul-Sep;31(3):219-25.

2. Bhattacharya S. **Swine influenza (novel H1N1): algorithms and common sense.** J Hosp Infect 2010;74:299-300. (Letter)
3. Bhattacharya S and Osman H. **Novel targets for antiretroviral therapy.** J Infect 2009;59(6):377-386. PubMed PMID: 19815027. (Review article)
4. Bhattacharya S, Ijaz S, Ratnaraja N, Smith S, Osman H, Boxall E. **Hepatitis B virus reactivation in a large haemodialysis unit: virological and infection control issues.** J Clin Virol. 2009;46(1):101-3. PMID: 19560397. (Case report)
5. Smit E, Bhattacharya S, Osman H, Taylor S. **Increased frequency of HIV-1 viral load blip rate observed after switching from Roche Cobas Amplicor to Cobas Taqman assay.** J Acquir Immune Defic Syndr. 2009; 51(3):364-5. PMID:19553776. (Original article)
6. Bhattacharya S, Paneesha S, Chaganti S, Lovell R, Slocombe G, Milligan D, Osman H. **"Viral" myocarditis in a patient following allogenic stem cell transplant: diagnostic dilemma and management considerations.** J Clin Virol. 2009; 45(3): 262-4. PMID: 19501546. (Case report)
7. Bhattacharya S, Price N, Boxall E, Adu D, Lipkin G, Smith S, Osman H. **Holiday haemodialysis and imported hepatitis C virus infection: a series of sixteen cases in two large haemodialysis units.** J Clin Virol. 2009; 45(4): 296-9. PMID: 19451020. (Case series)
8. Bhattacharya S, O'Donnell K, Dudley T, Kennefick A, Osman H, Boxall E, Mutimer D. **Ante-natal screening and post-natal follow-up of hepatitis B in the West Midlands of England.** QJM. 2008 ;101(4):307-12. PMID: 18281704. (Original article)
9. Bhattacharya S, Badrinath S, Hamide A, Sujatha S. **Seroprevalence of Hepatitis C virus in hospital based general population in South India.** Indian J Med Microbiol 2003; 21(1): 43-45. (Research paper) PMID: 17642973.
10. Bhattacharya S, Badrinath S, Hamide A, Sujatha S. **Co-infection with Hepatitis C virus and Human Immunodeficiency Virus among patients with Sexually Transmitted Diseases in Pondicherry, South India.** Indian J Pathol Microbiol 2003; 46(3): 495-497. (Research paper) PMID: 15025322.

Parasitology

1. Parija SC, Lalmuanpuii J, Bhattacharya S, Chandrasekhar S. **Parasitic Infections of the Central Nervous System.** J Parasitic Dis 2005; 29 (2): 85-96. (Review)
2. Parija SC, Bhattacharya S, Padhan P. **Thick stool smear wet mount examination: a new approach in stool microscopy.** Tropical Doctor 2003; 33(3): 173. (Research paper) PMID: 12870610.
3. Parija SC, Bhattacharya S, Padhan P, Shivaprakash MR. **Evaluation of formalin-acetone sedimentation in the concentration of stool for intestinal parasites.** Tropical Doctor 2003; 33(3): 163-4. (Research paper) PMID: 12870605.
4. Parija SC, Pradhan SC, Bhattacharya S. **Parasitic infections in travellers visiting tropical countries.** J Parasitic Diseases 2003; 27(2): 76-84. (Review)
5. Parija SC, Bhattacharya S. **The tragedy of tigers: Lessons to learn from the Nandankanan episode.** Indian J Med Microbiol 2001; 19(3): 116-118. (Article on zoonotic Trypanosomiasis) PMID: 17664812.

CV of Sanjay Bhattacharya; Consultant Microbiologist; Tata Medical Center; Kolkata, India

6. Parija SC, Bhattacharya S. ***Isospora belli* and *Cyclospora cayetanensis* as a cause of diarrhoea in an immunocompromized host.** J Assoc Physicians India 2000; 48 (12): 1192. (Pictorial CME) PMID: 11280226.

Book Chapter:

1. Bhattacharya S. **Sterility testing.** In; Hospital Infection Control. Clinical Guidelines. Editors. Saini S and Saini R. Paras Medical Publisher, Hyderabad. 2012. Pp 10-17.

Conference Abstracts:

- Pandey P, Anusha H, Chandy M, Bhattacharya S. **Insight into DNA extraction of *Candida* sp: Comparison of an automated & a manual system.** SIHAM 2014, Coimbatore, India. Jan 10-12, 2014. (Abstract number; OP-11, page 34) (selected for European Confederation of Medical Mycology Travel award)
- Radhakrishnan VS, Chandy, M, Bhattacharya S, et al. **Microbiology in Patients Undergoing Stem Cell Transplantation in the First Year of a Tertiary Care Comprehensive Cancer Centre From India.** Poster 316. BMT Tandem Meetings. Salt Lake City, Utah (USA), Feb 13-17, 2013.
<https://bmt.confex.com/tandem/2013/webprogram/Paper2001.html>
- Goel G, Das D, Mukherjee S, Das K, Bose S, Mahato R, Bhattacharya S. **A method for early detection of antibiotic resistant organisms in bacteremic patients.** Microcon, 2012 (abstract), New Delhi.

Reviewer Of Papers For Scientific Journals

- **British Medical Journal:** BMJ/2010/793091; BMJ/2009/708222; BMJ/2008/554311; BMJ/2006/435875; BMJ/2006/430884; BMJ/2004/207746
- **British Journal of Ophthalmology:** BJOPHTHALMOL/2010/180489; BJOPHTHALMOL/2009/164921; BJOPHTHALMOL/2008/152728
- **Post-graduate Medical Journal:** POSTGRADMEDJ/2010/098723
- **Quarterly Journal of Medicine:** QJM-D-05-00190
- **Indian Journal of Pathology and Microbiology:** IJPM_687_09R1; IJPM_822_09; IJPM_238_09
- **Indian Journal of Medical Microbiology:** IJMM_13_253

Awards:

- Tim Weller Prize for best oral presentation at West Midlands Microbiology meeting, Stratford upon Avon, 2008;
- JIPMER Microbiology alumni medal for MD Microbiology degree examination of Pondicherry University held during March 2000;
- Uday-Somnath-Ashoke memorial medal for securing highest marks in 2nd professional MBBS examinations 1992 conducted by University of North Bengal;
- Dr. Amulya Kumar Ghosh memorial medal for securing highest marks in Pathology examination 1992 conducted by University of North Bengal

- University Medal from University of North Bengal for securing second highest marks in MBBS examinations 1994
- Local, regional and East-zonal prize all India Paediatric Quiz organized by the Indian Academy of Paediatrics-1993-1994;