

## Scientist Profile

**Name** Dr.V.V.Banu Rekha  
**Designation** Scientist 'C'  
**Date of Birth** 24.07.1974  
**Date of Joining** 5.07.2007  
**Date of joining present post**  
**Discipline** Medicine  
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\* Mandatory

### Educational Qualifications (*begin with descending order*)

DEGREE	INSTITUTION AND LOCATION	YEAR(s)	FIELD OF STUDY
Indira Gandhi Open University, Delhi, India	Post Graduate Diploma in Bioethics - PGDBE	2011-2012	Bioethics
Annamalai University, Chidambaram, India	Post Graduate Diploma in Public Health - PGDPH	2007 - 2008	Public Health
Madras Medical College, Chennai, India.	M.B.B.S	1992-1998	Medicine, Surgery

**Research Experience:** Conducting clinical trials and operational research.

### Membership/Fellowship of Professional Societies/Associations

Member of Indian Medical Association

### Workshops/Conferences/Symposiums

*Workshops / Conferences attended*

1. Participated in the YRG CARE Bioethics Symposium organized by YRG CARE in collaboration with NIE, NIRT co-sponsored by Public Responsibility in Medicine & Research (PRIM&R), Boston, USA held in Chennai on 6<sup>th</sup> January, 2012.
2. Participated in the American Thoracic Society sponsored “Methods in Epidemiological, Clinical and Operations Research (MECOR)”, India course Level 1, held in Chennai from 24-29 September, 2012
3. Delivered a lecture on “Writing a scientific paper” in the State RNTCP Operational Research Workshop held in Chennai on 10<sup>th</sup> December, 2012.
4. Delivered a lecture on “Regulating Clinical trials in India; Amendments to the Drugs and Cosmetic rules and Schedule Y” in the Workshop on “Ethical principles, Good Clinical Practices in clinical research and Update on the Drugs and Cosmetic rules” on the 6<sup>th</sup> March, 2013 at NIRT, Chennai
5. Delivered a talk on “Drug resistant TB research priorities” in the Symposium on “Drug resistant TB: Challenges and way forward” in commemoration with the World TB day on the 16<sup>th</sup> March, 2013 at the Madras Medical College, Chennai
6. Participated in the Training Workshop on "Improving the Quality of Care for Children with TB and Drug- Resistant TB" jointly organised by the National Institute for Research in Tuberculosis (NIRT) and the Sentinel Project on Pediatric Drug–Resistant Tuberculosis in Chennai from June 17-19, 2013.
7. Participated in the ICMR-FERCAP Standard Operating Procedures training course for Ethics Committee Members from 3<sup>rd</sup> to 5<sup>th</sup> June 2013 at National Institute for Research in Tuberculosis, Chennai.
8. Successfully completed the training on National Programmatic Management of Drug Resistant TB (PMDT) under Revised National TB Control Programme organized by the Central TB Division, New Delhi at State TB Demonstration & Training Centre, Kerala from 22<sup>nd</sup> to 26<sup>th</sup> July 2013.
9. Participated in the National Operational Research Dissemination Workshop organized by the Union and Central TB Division from 26 to 27 August 2013 in New Delhi.
10. Delivered a lecture on “ The responsibilities of sponsor and monitor” in the Good Clinical Practice workshop at the National Institute of Epidemiology on the 10<sup>th</sup> and 17<sup>th</sup> of September, 2013.

11. Participated in the 'NFM' workshop of the Global Fund Meeting held in New Delhi from 18 to 19 December, 2013.

### ***Workshops organised***

- 1 Organized a session on -An Update on TB diagnosis and management and a panel discussion on enhancing contribution of Private Practitioners in TB control for the private practitioners in commemoration with the World TB day 2012 on 9<sup>th</sup> April in Chennai
- 2 Organized a Workshop on "Ethical principles, Good Clinical Practices in clinical research and Update on the Drugs and Cosmetic rules" on the 6<sup>th</sup> March, 2013 at NIRT, Chennai for the Ethics Committee members of NIRT and YRG Care.

### **Publications**

1. **Banu Rekha VV**, Santha T. M S Jawahar. Rifampicin induced renal toxicity in the re-treatment of patients with pulmonary TB – case report. JAPI 2005; 53: 811-813
2. **Banu Rekha VV**, A.R. Adhilakshmi, M.S.Jawahar. Rifampicin induced acute thrombocytopenia – case report. Lung India 2005; 22: 122-124
3. **Banu Rekha** and Soumya Swaminathan. Childhood tuberculosis-global epidemiology and the impact of HIV. Pediatric Respiratory Reviews 2007;8:99-106
4. **Banu Rekha VV** and Soumya Swaminathan. DOTS in childhood tuberculosis. IX National Conference on Pediatric Infectious Diseases, Chennai, 2006. Ncpid 2006 - Conference Abstracts. Pediatric Oncall [serial online] 2007 [cited 15 April 2007(Supplement 4)];4. Available from:[http://www.pediatriconcall.com/for-doctor/Conference\\_abstracts/NCPID2006/Article9.asp](http://www.pediatriconcall.com/for-doctor/Conference_abstracts/NCPID2006/Article9.asp)
5. **Banu Rekha VV**, Rani Balasubramanian, Soumya Swaminathan, Rajeswari Ramachandran, Fathima Rahman, V. Sundaram, K.Thyagarajan, N. Selvakumar, A.R. Adhilakshmi, Sheik Iliayas & P.R. Narayanan. Sputum conversion at the end of intensive phase of Category-1 regimen in the treatment of pulmonary tuberculosis patients with diabetes mellitus or HIV infection: An analysis of risk factors. Indian J Med Res 2007; 126: 452-458
6. **Banu Rekha VV**, Jagarajamma K, Fraser Wares, Chandrasekaran V, Soumya Swaminathan. Contact screening and chemoprophylaxis in the Indian TB Control Programme: a situational analysis. Int J Tuberc Lung Dis 2009; 13(12): 1507-1512

7. **Banu Rekha VV**, Rajeswari Ramachandran, Kuppu Rao KV, Fathima Rahman, Adhilakshmi AR , Kalaiselvi D, Murugesan P , Sundaram V, Narayanan PR. Assessment of long term status of sputum positive pulmonary TB patients successfully treated with Short Course Chemotherapy. *Indian J Tuberc* 2009; 56:132-140
8. Soumya Swaminathan and **Banu Rekha VV**. Pediatric tuberculosis -Global overview and challenges. *Clinical Infectious diseases* 2010; 50(S3):S184–S194
9. **Banu Rekha VV**, Poorana Ganga Devi, Soumya Swaminathan. Pediatric tuberculosis – Global epidemiology and the impact of HIV. *Annals of Resp Med* 2011; 3(1); 1-11
10. Aleyamma Thomas, Pauline Joseph, Dina Nair, Vijaya Bhaskara Rao D., **Banu Rekha V V**, Selvakumar N, Jaggarajamma K, Balambal R. Extensively drug resistant tuberculosis: Experience at Tuberculosis Research Centre, Chennai.. *Int J Tuberc Lung Dis* 2011;15(10):1323-1325
11. Soumya Swaminathan and **VV Banu Rekha**. Antigen detection as a point – of – care test for tuberculosis: the case of lipoarabinomannan. *Future Microbiol* 2012; 7 (5): 1-6
12. **Banu Rekha VV**, Rajaram K, Kripasankar AS, Parthasarathy R, Umapathy KC, Sheikh Iliayas, Selvakumar N, Victor Mohan, Niruparani Charles, Sridhar R and Jawahar MS. Efficacy of the 6-month thrice-weekly Category 1 regimen in the treatment of new sputum smear - positive pulmonary tuberculosis, under clinical trial conditions. *National Medical Journal of India* 2012;25(4): 196-200
13. **Banu Rekha**; Jagarajamma K; Chandrasekaran V; Fraser Wares; Raja Sivanandam; Soumya – Swaminathan. Improving contact screening and provision of chemoprophylaxis to child contacts in the Indian TB Control Programme: a pilot study. *Int J Tuberc Lung Dis* 2013 ;17(2):163-8
14. G. Ramachandran, A. K. Hemanth Kumar, P. K. Bhavani, N. Poorana Gangadevi, L. Sekar, D. Vijayasekaran, **V. V. Banu Rekha**, S. Ramesh Kumar, N. Ravichandran, G. Mathevan, S. Swaminathan. Age, nutritional status and INH acetylase status affect pharmacokinetics of anti-tuberculosis drugs in children. *Int J Tuberc Lung Dis* 2013; 17(6):800–806
15. Jawahar MS, **Banurekha VV**, Paramasivan CN, Rahman F, Ramachandran R, et al. (2013) Randomized Clinical Trial of Thrice-Weekly 4-Month Moxifloxacin or Gatifloxacin Containing Regimens in the Treatment of New Sputum Positive Pulmonary Tuberculosis Patients. *PLoS ONE* 8(7): e67030. doi:10.1371/journal.pone.0067030

16. **Velayutham BRV**, Nair D, Chandrasekaran V, Raman B, Sekar G, et al. (2014) Profile and Response to Anti-Tuberculosis Treatment among Elderly Tuberculosis Patients Treated under the TB Control Programme in South India. PLoS ONE 9(3): e88045.  
doi:10.1371/journal.pone.0088045