

Scientist Profile

1. **Name** : Dr.V.V.Banu Rekha
2. **Designation** : Scientist 'B'
3. **Date of Birth** : 24.07.1974
4. **Date of Joining** : 12.02.2002 (Senior Research Fellow)
5. **Date of joining present post** : 5.07.2007
6. **Discipline** : Medicine
7. **Address (off.)** : National Institute for Research in TB
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12. Educational Qualifications :

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
Madras Medical College, Chennai, India.	M.B.B.S	1992-1997	Medicine, Surgery
University of Alabama , Birmingham	C.R.C	2007 -2008	Clinical Research
Annamalai University, Chidambaram, India	PGDPH	2007 - 2008	Public Health

13. **Research Experience** : Involved in randomized controlled clinical trials and operational research studies in TB and HIV-TB

14. Membership/Fellowship of Professional Societies/Associations :

Member of Indian Medical Association

15. Workshops/Conferences/Symposiums

Workshops / Conferences attended

1. Participated as a speaker in the 8th Tamil Nadu State conference on TB and Chest Diseases held in Tanjavur on the 19th, 20th of July, 2003.
2. Participated as a delegate in the National Seminar on Epidemiology of Non-communicable Diseases organized by the Madras Diabetic Research Foundation, Chennai, India & University of Birmingham, USA from 18th to 21st March 2004
3. Successfully completed the “Participatory Training for Medical Officer – Trainers” in the Revised National Tuberculosis Control Programme from 12th to 23rd of June 2006 organised by the Tuberculosis Research Centre, Chennai.
4. Participated in the “Scientific Writing Workshop” in the International Centers for Excellence in Research Training Programme (ICER) by the University of Alabama at Birmingham conducted at the Tuberculosis Research Centre from 7th to 11th of July, 2006.
5. Participated in the “Good Clinical Practice Workshop” in the International Centers for Excellence in Research Training Programme (ICER) by the University of Alabama at Birmingham conducted at the Tuberculosis Research Centre from 17th to 21st of July, 2006.
6. Participated in the Indo-US Workshop “The Fundamentals of Biostatistics in Clinical Research” organized by the National Institute of Health (NIH), Office of AIDS Research (OAR), Department of Health and Human services (DHHS) and the US Embassy at New Delhi from 26th to 28th of May, 2007
7. Participated in the workshop “Developing a Protocol for a Cochrane Systematic Review” sponsored by the Indian Council of Medical Research, Cochrane Infectious diseases group, Cochrane Schizophrenia group, Department for International development (DFID)-UK and The South Asian Cochrane Network held in Vellore from 25th to 27th of June, 2007.

8. Participated in the workshop on Clinical Trials Registry India and Medical writing sponsored by NIMS, ICMR and WHO held in Bangalore on the 20TH of June 2008
9. Abstract on 'Long term status of pulmonary TB patients successfully treated with short course chemotherapy' accepted for oral presentation at the 63rd National conference on Tuberculosis and Chest diseases and first International conference of South East Asia Region (The Union)- SEAR-NATCON 2008 held at New Delhi, September 8-10, 2008
10. Participated as a speaker in the ICMR Task force meeting on Female genital TB held at New Delhi, April 30, 2009
11. Participated as a delegate in the 65th National Conference on TB and Chest Diseases 2010 held in Bangalore from 10th to 12th January, 2011
12. Participated in the conference on TB diagnostics in India – From importation and imitation to innovation held in Bangalore from August 25-26, 2011.

Workshops organised

- 1 Organised the 3rd Research Dissemination Workshop of TRC-WHO on 9 and 10 December, 2009 at Chennai.
- 2 Organised an intensive course on “*TB Diagnostics Research – Beyond the Basics*” in Tuberculosis Research Centre from 13-15 Dec, 2010 in commemoration of the Centenary year celebrations of Indian Council of Medical Research. This course was supported by TDR, European Commission, EDCTP, McGill University, Stop TB Partnership's New Diagnostics Working Group & FIND.
- 3 Organised a workshop on “*Methodology in Clinical Research*” for Post-graduate medical students in National Institute for Research in TB from 3 – 4 September, 2011

16. Awards : Nil

17. Miscellaneous : Nil

18.Publications

Journals

1. Chandra G, Selvaraj P, Jawahar M S, **Banurekha VV**, Narayanan PR. Effect of vitamin D3 on phagocytic potential of macrophages with live Mycobacterium tuberculosis and lymphoproliferative response in pulmonary tuberculosis. *Journal of Clinical Immunology*. 2004; 24(3): 249-57
2. **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
3. **Banu Rekha VV**, A.R. Adhilakshmi, M.S.Jawahar. Rifampicin induced acute thrombocytopenia – case report. *Lung India* 2005; 22: 122-124
4. P.Selvaraj, S.Prabu Anand, M.S.Jawahar, G.Chandra, **Banu Rekha** and P.R.Narayanan. Promoter polymorphism of IL-8 gene and IL-8 production in pulmonary TB. *Current Science* 2006;90(7): 952-954
5. **Banu Rekha** and Soumya Swaminathan. Childhood tuberculosis-global epidemiology and the impact of HIV. *Pediatric Respiratory Reviews* 2007;8:99-106
6. **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
7. **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

8. Senbagavalli R, Geetha ST, Karunakaran K, **Banu Rekha VV**, Venkatesan P, Ramanathan VD. Reduced erythrocyte CR1 levels in patients with pulmonary tuberculosis is an acquired phenomenon. Clin Immunol.2008;128:109-115.
9. **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
10. **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
11. Anbarasu D, Darragh Heaslip, Adhilakshmi AR, **Banurekha VV**, Sheela Frederick, Hong-Lian Yang, Karen Dobos, John T. Belisle, Alamelu Raja. Immuno-proteomic identification of human T cell antigens of *Mycobacterium tuberculosis* that differentiate healthy contacts from tuberculosis patients. Molecular and cellular proteomics 2010; 9:538–549.
12. Soumya Swaminathan and **Banu Rekha VV**. Pediatric tuberculosis -Global overview and challenges. Clinical Infectious diseases 2010; 50(S3):S184–S194
13. Selvaraj P., Harishankar M , Brijendra Singh , Jawahar MS, **Banurekha VV**. Toll-like receptor and TIRAP gene polymorphisms in pulmonary tuberculosis patients of South India. Tuberculosis 2010; 90 :306-310
14. **Banu Rekha VV**, Poorana Ganga Devi, Soumya Swaminathan. Pediatric tuberculosis – Global epidemiology and the impact of HIV. Annals of Resp Med 2011; 000:(000).; 1-11
15. 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

Book chapters

1. Rajeswari Ramachandran, **Banurekha VV**, AR Adhilakshmi, Rani Balasubramanian. Latent TB infection (Dormancy) and treatment.37th chapter in a book entitled “Practical approach to TB management” edited by V K Arora published by Jaypee brothers 404-413, 2006.
2. Rajeswari Ramachandran, ARAdhilakshmi, **Banurekha VV**, GNarendran, Rani balasubramanian. Extrapulmonary TB in the HIV Era .10th chapter in a book entitled “Practical approach to TB management” edited by V K Arora published by Jaypee brothers 87- 98, 2006.
3. **Banu Rekha VV** and Soumya Swaminathan. Drugs used in tuberculosis and leprosy. 30th chapter in a book entitled “Side Effects of drugs Annuals – Edition 30” edited by Aronson, publisher Elsevier, 2008: 357-363
4. Soumya Swaminathan and **Banu Rekha VV**. Drugs used in tuberculosis and leprosy. 30th chapter in a book entitled “Side Effects of drugs Annuals – Edition 31, publisher Elsevier, 2009 :501-511
5. Soumya Swaminathan and **Banu Rekha VV**. Drugs used in tuberculosis and leprosy. 30th chapter in a book entitled “Side Effects of drugs Annuals – Edition 32, publisher Elsevier, 2010; 555 -569