**NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS, CHENNAI.**

**LIST OF PUBLICATIONS FROM JANUARY – DECEMBER 2010.**

1. Babu S, Bhat SQ, Kumar NP, Kumaraswami V, Nutman TB. Regulatory T cells modulate Th17 responses in patients with positive tuberculin skin test results. J Infect Dis.2010;201(1):20-31. **(RP201001)**

2. Kwara A, Ramachandran G, Swaminathan S. Dose adjustment of the non-nucleoside reverse transcriptase inhibitors during concurrent rifampicin-containing tuberculosis therapy: one size does not fit all. Expert Opin Drug Metab Toxicol.2010;6(1):55-68.

**(RP201002)**

3. Basirudeen S, Rajasekaran S, Raja A. Comparison of interferon gamma and interferon gamma-inducible protein-10 secretion in HIV-tuberculosis patients. AIDS.2010;24(2):323-325. **(RP201003)**

4. Rao PV, Rajasekaran S, Raja A. Natural killer cell-mediated cytokine response among HIV-positive south Indians with pulmonary tuberculosis. J Interferon Cytokine Res.2010;30(1):33-41. **(RP201004)**

5. Kumar M, Meenakshi N, Sundaramurthi JC, Kaur G, Mehra NK, Raja A. Immune response to *Mycobacterium tuberculosis* specific antigen ESAT-6 among south Indians. Tuberculosis.2010;90(1):60–69. **(RP201005)**

6. Swaminathan S. Evidence based treatment of tuberculosis for children the unfinished agenda. Indian Pediatr.2010;47(1):39-40. **(RP201006)**

7. Anand SP, Harishankar M, Selvaraj P. Interferon gamma gene +874A/T polymorphism and intracellular interferon gamma expression in pulmonary tuberculosis. Cytokine.2010;49(2):130–133. **(RP201007)**

8. Paramasivan CN, Rehman F, Wares F, Mohan NS, Sundar S, Devi S, Narayanan PR. First- and second-line drug resistance patterns among previously treated tuberculosis patients in India. Int J Tuber Lung Dis.2010;14(2):243–246. **(RP201008)**

9. Kumar M, Sundaramurthi JC, Mehra NK, Kaur G, Raja A. Cellular immune response to *Mycobacterium tuberculosis*-specific antigen culture filtrate protein10 in south India**.** Med Microbiol Immunol.2010;199(1):11-25. **(RP201009)**

10. Anbarasu D, Sundaramurthi JC, Raja A. Immunological and proteomic analysis of preparative isoelectric focusing separated culture filtrate antigens of *Mycobacterium tuberculosis*. Experimental and Molecular Pathology. 2010;88(1):156-162. **(RP201010)**

11. Basirudeen SAK, Balambal R, Thomas A, Venkatesan P, Raja A. Role of QuantiFERON-TB gold, interferon gamma inducible protein-10 and tuberculin skin test in active tuberculosis diagnosis. PLoS One.2010;5(2):1-7. **(RP201011)**

12. Yim J, Selvaraj P. Genetic susceptibility in tuberculosis. Respirology.2010;15(2): 241–256. **(RP201012)**

13. Majumdar SD, Sharma D, Vashist A, Kaur K, Taneja NK, Chauhan S, Challu VK, Ramanathan VD, Balasangameshwara V, Kumar P, Tyagi JS. Co-expression of DevR and DevRN-Aph proteins is associated with hypoxic adaptation defect and virulence attenuation of *Mycobacterium tuberculosis*. PLoS one.2010;5(2):1-9.

**(RP201013)**

14. Venkatesan P, Srinivasan R. Modeling the spatial variogram of tuberculosis for Chennai ward in India. Indian J Sci Technol.2010;3(2):167-169. **(RP201014)**

15. Ponnuraja C, Venkatesan P. Correlated frailty model: an advantageous approach for covariate analysis of tuberculosis data. Indian J Sci Technol.2010;3(2):151-155.

**(RP201015)**

16. Narayanan S, Swaminathan S, Supply P, Sivakumar S, Narendran G, Hari L, Ramachandran R, Locht C, Jawahar MS, Narayanan PR. Impact of HIV infection on the recurrence of tuberculosis in south India. J Infect Dis.2010;201(5):691-703. **(RP201016)**

17. Rao VG, Bhat J, Yadav R, Gopi PG, Selvakumar N, Wares DF. Prevalence of pulmonary tuberculosis among the Bharia, a primitive tribe of Madhya Pradesh, central India. Int J Tuberc Lung Dis.2010;14(3):368-370. **(RP201017)**

18. Balaji S, Dusthackeer A, Rehman F, Sekar G, Sivaramakrishnan GN, Kumar V. An alternative sputum processing method using chitin for the isolation of *Mycobacterium tuberculosis*. World J Microbiol Biotechnol.2010;26(3):523-526. **(RP201018)**

19. Radhakrishnan M, Suganya S, Balagurunathan R, Kumar V. Preliminary screening for antibacterial and antimycobacterial activity of actinomycetes fr om less explored ecosystems. World J Microbiol Biotechnol.2010;26(3):561-566. **(RP201019)**

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21. Swaminathan S, Narendran G, Venkatesan P, Iliayas S, Ramesh S, Menon PA, Padmapriyadarsini C, Ramachandran R, Ponnuraja C, Suhadev M, Sakthivel R, Narayanan PR. Efficacy of a 6-month versus 9-month intermittent treatment regimen in HIV-infected patients with tuberculosis. A randomized clinical trial. Am J Respir Crit Care Med.2010;181(7):743-751. **(RP201021)**

22. Sivakumar PM, Kumar V, Seenivasan SP, Mohanapriya J, Doble M. Experimental and theoretical approaches to enhance anti tubercular activity of Chalcones. WSEAS Transac Biol Biomed.2010;7(2):51-61. ---------

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25. Nalini S, Lakshmi R, Devika K, Ravikumar D, Ranjani R. Combined drug medium with isoniazid and rifampicin for identification of multi-drug resistant *Mycobacterium tuberculosis.* Indian J Med Microbiol.2010;28(2):162-163.

**(RP201025)**

26. Yadav R, Rao VG, Bhat J, Gopi PG, Selvakumar N, Wares DF. Prevalence of pulmonary tuberculosis amongst the Baigas – A primitive tribe of Madhya Pradesh, Central India. Indian J Tuberc.2010;57(2):114-116. **(RP201026)**

27. Swaminathan S, Padmapriyadarsini C, Narendran G. HIV-associated tuberculosis: Clinical update. Clin Infect Dis.2010;50(10):1377-1386. **(RP201027)**

28. Swaminathan S, Rekha B. Pediatric tuberculosis: Global overview and challenges. Clin Infect Dis.2010;50(S3):S184–S194. **(RP201028)**

29. Sivakumar PM, Seenivasan SP, Kumar V, Double M. Novel 1,3,5-triphenyl- 2pyrazolines as anti-infective agents. Bioorg Med Chem Lett.2010;20(10):3169- 3172. **(RP201029)**

30. Sameer H, Azger D, Balaji S, Ponnuraja C, Gomathi NS, Kumar V. Lytic efficiency of mycobacteriophages. The Open Systems Biol J.2010;3:21-28. ---------

31. Ramana Rao PV, Ramanavelan S, Rajasekaran S, Raja A. Natural-killer cell-derived cytolytic molecules in HIV-associated pulmonary tuberculosis*—*Role of exogenous interleukins. J Clin Immunol.2010;30 (3):393-401. **(RP201031)**

32. Suresh ML, Venkatesan P. Comparison of artificial neural network with regression models for prediction of survival after surgery in cancer patients.  Int J Inf Sci Computer Maths.2010;1(2):137-146. ----------

33. Basirudeen S, Venkatesan P, Paulkumaran P, Raja A. Yield of QuantiFERON-TB gold in tube assay and tuberculin skin test in healthy persons from a tuberculosis endemic population. J Pediatr Infect Dis.2010;5(2):125-129. **(RP201033)**

34. Aravindhan V, Mohan V, Surendar J, Rao MM, Pavankumar N, Deepa M, Rajagopalan R, Kumaraswami V, Nutman TB, Babu S. Decreased prevalence of lymphatic filariasis among diabetic subjects associated with a diminished pro- inflammatory cytokine response (CURES 83). PLoS Negl Trop Dis.2010;4(6):1-6.

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37. Rama R, Swaminathan R, Venkatesan P. Cure models for estimating hospital-based breast cancer survival. Asian Pacific J Cancer Prev.2010;11(2):387-391. **(RP201037)**

38. Swaminathan S, Padmapriyadarsini C, Yoojin L, Sukumar B, Iliayas S, Karthipriya J, Sakthivel R, Gomathy P, Thomas BE, Mathew M, Wanke CA, Narayanan PR. Nutritional supplementation in HIV-infected individuals in south India: A prospective interventional study. Clin Infect Dis.2010;51(1):51-57. **(RP201038)**

39. Priya R, Das SD. Kinetics of chemokine secretion in human macrophages infected with various strains of *Mycobacterium tuberculosis*. Indian J Med Microbiol.2010;28(3):201-206. **(RP201039)**

40. Goletti D, Raja A, Basirudeen S, Rodrigues C, Sodha A, Butera O, Carrara S, Vernet G, Longuet C, Ippolito G, Thangaraj S, Leportier M, Girardi E, Lagrange PH. IFN-γ, but not IP-10, MCP-2 or IL-2 response to RD1 selected peptides associates to active tuberculosis. J Infect.2010;61(2):133-143. **(RP201040)**

41. Ramachandran R, Muniyandi M, Gopi PG, Wares F. Why do tuberculosis suspects bypass local services to attend tuberculosis sanatorium? Lung India.2010;27(3):111- 114. **(RP201041)**

42. Ponnuraja C, Venkatesan P. Survival models for exploring tuberculosis clinical trial data-an empirical comparison. Ind J Sci Technol.2010;3(7):755-758. **(RP201042)**

43. Rao VG, Gopi PG, Bhat J, Selvakumar N, Yadav R, Tiwari B, Gadge V, Bhondeley MK, Wares F. Pulmonary tuberculosis: a public health problem amongst the Saharia, a primitive tribe of Madhya Pradesh, Central India. Int J Infect Dis.2010;14(8):713- 716. **(RP201043)**

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47. Uhler LM, Kumarasamy N, Mayer KH, Saxena A, Losina E, Muniyandi M, Stoler AW, Lu Z, Walensky RP, Flanigan TP, Bender MA, Freedberg KA, Swaminathan S; CEPAC International investigators. Cost-effectiveness of HIV testing referral strategies among tuberculosis patients in India. PLoS One.2010;5(9):e12747. **(RP201047)**

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52. Kumar M, Raja A. Cytotoxicity responses to selected ESAT-6 and CFP-10 peptides in tuberculosis. Cell Immunol.2010;265(2):146-155. **(RP201052)**

53. Rajesh L, Ramesh K, Hanna LE, Narayanan PR, Swaminathan S. Emergence of drug resistant mutations after single dose nevirapine exposure in HIV-1 infected pregnant women in south India. Indian J Med Res.2010;132:509-512. **(RP201053)**

54. Balaji S, Kumar V, Venkatesan P, Selvakumar N. Phage lysin to supplement phagebiotics to decontaminate processed sputum specimens. Eur J Clin Microbiol Infect Dis.2010;29(11):1407-1412. **(RP201054)**

55. Senthamaraikannan K, Senthilkumar B, Ponnuraja, C, Venkatesan P. A Bayesian hierarchical model for longtitudinal data. Int J Cur Res.2010;10:12-20. **(RP201055)**

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