

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
GEETHA RAMACHANDRAN		SENIOR RESEARCH OFFICER	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Madras University, Chennai, India	M.Sc.	1979	Biochemistry
The Tamil Nadu Dr.M.G.R. Medical University, Chennai, India	Ph.D (Life Science)	1999	Biochemistry

A. Research and/or Professional Experience

1979-1984 Biochemist, City Hospital, Cochin, India
1984-1985 Biochemist, Apollo Hospital, Chennai, India
1985-2000 Research Assistant, Tuberculosis Research Centre, Chennai, India
2000-2003 Senior Technical Assistant, Tuberculosis Research Centre, Chennai, India
2003-2007 Research Officer, Tuberculosis Research Centre, Chennai, India
2007 till date Senior Research Officer, Tuberculosis Research Centre, Chennai, India

Honours

Awarded Fogarty fellowship under the AITRP program for training on 'Pharmacology of antiretroviral drugs' at the Tufts University School of Medicine, Boston during Aug.-Dec. 2003

Award for best oral presentation at the National Congress on Diseases of the Chest held at Chennai during February 1997

C. Srinivasa award for the best paper in tuberculosis for the year 2003 at the 58th National Conference on TB and Chest Diseases held at Mumbai during January 2004

Membership on Committees

Annual Report Committee Member – Tuberculosis Research Centre, Chennai, India.

B. Publications

1. Adrenocortical function in patients with pulmonary tuberculosis. Raghupati Sarma G, Chandra Immanuel, **Geetha Ramachandran**, Krishnamurthy PV, Kumaraswami V and Prabhakar R. **Tubercle 1990 71 277-282.**
2. Salivary cortisol in the assessment of adrenocortical function in patients with pulmonary tuberculosis. Chandra Immanuel, Raghupati Sarma G, Krishnamurthy PV, **Geetha Ramachandran** and Kumaraswami V. **Ind J Med Res 1992 95 1-7.**

3. Effect of administration of rifampicin on the adrenocortical function in patients with pulmonary tuberculosis. Raghupati Sarma G, Chandra Immanuel, Krishnamurthy PV, Rani Balasubramaniam, **Geetha Ramachandran** and Prabhakar R. **Ind J Tub** 1992 39 21.
4. Simple spectrofluorimetric and microbiological assay methods for the estimation of ofloxacin in biological fluids. Prema Gurumurthy, **Geetha Ramachandran**, Hemanth Kumar AK, Venkatesan P, Chandrasekaran V and Narayanan PR. **Ind J Pharmacol** 1998 30 263-266.
5. Bioavailability of rifampicin, isoniazid and pyrazinamide in triple drug formulation: comparison of plasma and urine kinetics. Gurumurthy P, **Ramachandran G**, Vijayalakshmi S, Hemanth Kumar AK, Venkatesan P, Chandrasekaran V, Vijayasekaran V, Kumaraswami V, Prabhakar R. **Int J Tuberc Lung Dis.** 1999 3 119-125.
6. Cytochrome P-450 in drug-resistant *M. Tuberculosis*. **Geetha Ramachandran**, Prema Gurumurthy, Narayanan PR, Usha Mahadevan. **Current Science** 1999 76 (9) 1231-1234.
7. Identification of a novel mycobacterial transcriptional regulator and its involvement in growth rate dependence and stringent control. KamalakannanV, **Geetha Ramachandran**, Sujatha Narayanan, Vasanth SK, Narayanan PR. *FEMS Microbiology Letters* 2002 209 261-266.
8. Purification of cytochrome P-450 in mycobacteria. **Geetha Ramachandran** and Prema Gurumurthy. **Current Science** 2002 83 873-877.
9. Effect of rifampicin and isoniazid on Cytochrome P-450 in mycobacteria. **Geetha Ramachandran** and Prema Gurumurthy. **Ind J Med Res** 2002 116 140-144.
10. Bioavailability of rifampicin following concomitant administration of ethambutol or isoniazid or pyrazinamide or a combination of the three drugs. Chandra Immanuel, Prema Gurumurthy, **Geetha Ramachandran**, Venkatesan P, Chandrasekaran V, Prabhakar R. **Ind J Med Res** 2004 118 109-114.
11. A validated high performance liquid chromatography method for the determination of rifampicin and desacetyl rifampicin in plasma and urine. Chandra Immanuel, Hemanth Kumar AK, **Geetha Ramachandran**, Silambu Chelvi K, Lalitha Victor and Prema Gurumurthy. **Ind J Pharmacol** 2004 36 231-233.
12. Malabsorption of rifampin and isoniazid in HIV infected patients with and without tuberculosis. Prema Gurumurthy, **Geetha Ramachandran**, Hemanth Kumar AK, Rajasekaran S, Padmapriyadarsini, Soumya Swaminathan, Venkatesan P, Sekar L, Kumar S, Krishnarajasekhar OR, Paramesh P. **Clin Infect Dis** 2004 38 280-283.
13. Vitamin A levels in sputum positive pulmonary TB patients in comparison with household contacts and healthy 'normals'. **Geetha Ramachandran**, Santha T, Renu Garg, Baskaran D, Sheik Illias, Venkatesan P, Fathima Rehman, Narayanan PR. **Int J Tuberc Lung Dis** 2004 8 1130-1133.
14. Analysis of generic antiretroviral medications manufactured in India. **G. Ramachandran**, E.S. Perloff, L.L von Moltke, S. Swaminathan, C Wanke, D J Greenblatt. **AIDS** 2004 18 1482-1484.
15. Decreased bioavailability of rifampin and other anti-TB drugs in patients with advanced HIV disease. Prema Gurumurthy, **Geetha Ramachandran**, Hemanth Kumar AK, Rajasekaran S, Padmapriyadarsini, Soumya Swaminathan, Bhagavathy S, Venkatesan P, Sekar L, Mahilmaran A, Ravichandran N, Paramesh P. **Antimicrob Agents Chemother** 2004 48 4473-4475.
16. Effect of HIV on pharmacokinetics of anti-tuberculosis drugs. **Geetha Ramachandran**, AK Hemanth Kumar, Prema Gurumurthy, S Rajasekaran, C Padmapriyadarsini, S Bhagavathy, P Venkatesan, L Sekar, Soumya Swaminathan. **Contagion** 2005 2 182-183.
17. Acetylase status influences bioavailability of isoniazid in patients with advanced HIV disease **Geetha Ramachandran**, AK Hemanth Kumar, S Rajasekaran, C Padmapriyadarsini, Soumya Swaminathan, P Venkatesan, L Sekar, Prema Gurumurthy. **SAARC Journal of TB, Lung diseases & HIV/AIDS, 2005; II (2): 9-12.**

18. Pharmacokinetics of isoniazid and rifampicin in patients with renal failure undergoing continuous ambulatory peritoneal dialysis. **Geetha Ramachandran**, AK Hemanth Kumar, Prema Gurumurthy, Prakash KC, Venkatesan P, Bose SC, Manjula Datta. *J Chromatogr B Analyt Technol*. **SAARC Journal of TB, Lung diseases & HIV/AIDS 2005; II (2): 23-27.**
19. Simple and rapid liquid chromatography method for determination of efavirenz in plasma. **Geetha Ramachandran**, AK Hemanth Kumar, Soumya Swaminathan, P.Venkatesan, V.Kumaraswami, D.J.Greenblatt. *J Chromatogr B Analyt Technol Biomed Life Sci*. **2006 835 131-135.**
20. Increasing nevirapine dose overcomes decreased bioavailability due to rifampicin co-administration. **Geetha Ramachandran**, AK Hemanth Kumar, S.Rajasekaran, C.Padmapriyadarsini, G.Narendran, B.Sukumar, S.Satishnarayan, K.Raja,V.Kumaraswami, Soumya Swaminathan. *J Acquir Immun Defic Syndr*, **2006 42(1) 36-41.**
21. Urine nevirapine as a predictor of antiretroviral adherence. AK Hemanth Kumar, **Geetha Ramachandran**, Banu Sharadha, G.Narendran, Soumya Swaminathan. *Ind J Med Res*, **2006 123 565-568.**
22. Simple liquid chromatography method for simultaneous determination of zidovudine and nevirapine in plasma. **Geetha Ramachandran**, AK Hemanth Kumar, V.Kumaraswami, Soumya Swaminathan. *J Chromatogr B Analyt Technol Biomed Life Sci*, **2006 843 339-344.**
23. Can urine lamivudine predict antiretroviral adherence? AK Hemanth Kumar, **Geetha Ramachandran**, V.Kumaraswami Soumya Swaminathan. *MedGenMed* 2006 Dec 13; 8(4):53.
24. Urinary levels of isoniazid and rifampicin in asymptomatic HIV-positive individuals. **Geetha Ramachandran**, A.K. Hemanth Kumar, K.Sarala, C.Padmapriyadarsini, S.Anitha, CB Tharani, V.Kumaraswami, Soumya Swaminathan. *Indian J Med Res*, 2007; 763-766.
25. Effect of anticoagulants on plasma efavirenz and nevirapine. A.K. Hemanth Kumar, **Geetha Ramachandran**, P Kumar, S Anitha, S Rajasekaran, Soumya Swaminathan. *Ther Drug Monit*. **2007 Oct;29(5):652-654.**
26. **Geetha Ramachandran**, A.K. Hemanth Kumar, S. Rajasekaran, C. Padmapriyadarsini, G. Narendran, S. Anitha, Sudha Subramanyam, V. Kumaraswami and Soumya Swaminathan. Steady-state pharmacokinetics of Nevirapine in HIV-1 infected adults in India. *J Int Assoc Physicians AIDS Care* 2007; 6(4): 251-254.
27. Siddharth Bakshi, **Geetha Ramachandran**, Karunaianandham Ramesh, Agibothu K. Hemanthkumar, Suresh Anitha, Chandrasekaran Padmapriyadarsini, Gopalan Narendran, Pradeep A. Menon, Sikhamani Rajasekaran, Soumya Swaminathan. Study of ABCB1 polymorphism (C3435T) in HIV-1-infected individuals from south India. *Br J Clin Pharmacol*. 2008 Jan 30; [Epub ahead of print]
28. **Geetha Ramachandran**, AK.Hemanth Kumar, S.Rajasekaran, P.Kumar, K.Ramesh, S.Anitha, G.Narendran, Pradeep Menon, C.Gomathi, Soumya Swaminathan. Influence of sex, body weight, CYP2B6 G516T polymorphism and rifampicin co-administration on efavirenz pharmacokinetics. Submitted for publication in the **Journal of Acquired Immune Deficiency Syndromes**

D. Ongoing Research Support

- 1) Title: Effect of first-line anti-tuberculosis drugs on the steady state pharmacokinetics of moxifloxacin
Funded by: Indian Council of Medical Research
Role: Co-investigator
- 2) Title: Therapeutic drug monitoring of nevirapine and efavirenz in HIV-infected children in India
Funded by: Indian Council of Medical Research
Role: Co-investigator

- 3) Title: Monitoring plasma nevirapine and efavirenz during anti-tuberculosis treatment in HIV-TB co-infected patients
Funded by: National AIDS Control Organization
Role: Principal investigator

- 4) Title: Pharmacogenetic studies in relation to antiretroviral drugs
Funded by: Indian Council of Medical Research
Role: Principal investigator