

Resume of

Dr P Paul Kumaran M.B.,B.S., B.A (Psychology), M.P.H.,

Tuberculosis Research Centre



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Present Official Address: Tuberculosis Research Centre (ICMR) Madurai Unit
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Present Official Address (head quarters): Tuberculosis Research Centre (ICMR)
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Educational Qualification:

1. Bachelor of Medicine and Surgery (**M.B.,B.S.,**) September 1984 – July 1989
(Bharathidasan University, Tamil Nadu)
2. Compulsory Rotary Residential Medical Internship August 1989 – August 1990
(Thanjavur Medical College, Thanjavur, Tamil Nadu)
3. Post Graduate Diploma (Psychoanalysis) August 1992 – August 1993
4. Certificate course in Counseling March – September 1994
5. Bachelor of Arts-Psychology (**B.A.,**) December 2001
(Distance Education - Annamalai University, Tamil Nadu)
6. Masters in Public Health (**MPH**) January 2001 – June 2002
(AMCHSS, SCTIMST, Kerala)
7. **Special training - Bioethics and Ethics Committee Administration:** January to June 2005
(WIRB®, Olympia, USA)

Underwent a *WHO International Fellowship* programme on '**Bioethics and Ethics Committee Administration**', at Western Institutional Review Board Inc. (WIRB®), Olympia, Washington State, USA between **12th January and 24th June 2005**; the fellowship programme was sponsored by the Government of India (ICMR), World Health Organization – Forum for Ethical Review Committees in Asia and Pacific Region (FERCAP), and the WIRB, USA.

During the said training period, the following courses on the '**Protection of Human Research Subjects**' were also completed:

1. '**Collaborative IRB Training Initiative – CITI**', online training and testing course offered by the University of Miami and WIRB, both in 'Group I – Biomedical Research' and Group II – Social and Behavioral Research – 8th February 2005
2. Computer-based online **training course for NIH IRB members** given by the National Institutes of Health (NIH) Office of Human Subjects Research – 2nd March 2005
3. '**Protecting Study Volunteers in Research**'-2nd Edition, offered by Office of Human Subject Protection, University of Rochester Medical Centre, New York – March 2005
4. Modules 1 to 3 (HHS Regulations & Institutional Responsibilities, Investigator Responsibilities & Informed Consent, and Human Research Protections Program) of **Human Subject Assurance online training**, offered by the Office of Human Research Protections (OHRP), Department of Health and Human Services, USA – 27th April 2005
5. 'Human Participants Protection Education for Research Teams' online course, offered by the **National Cancer Institute**, sponsored by the National Institutes of Health (NIH) – 2nd May 2005
6. Online course on '**Protecting Human Research Subjects in Biomedical and Genetics Research**', offered by the University of California, Los Angeles (UCLA) – 11th May 2005
7. Online course on '**Protecting Human Research Subjects in Social and Behavioral Research**', offered by the University of California, Los Angeles (UCLA) – 13th May 2005
8. Online course on '**HIPAA Privacy Rule Research Education Course**', offered by the University of California, Los Angeles (UCLA) – 16th May 2005.

Work Experience:

<u>Period</u>	<u>Position held</u>	<u>Place of work</u>
Dec 2004 – to till date	Assistant Director (Sci D) Tuberculosis Research Centre	TRC-Madurai Unit Madurai, Tamil Nadu
Dec 1999 – Dec 2004	Senior Research Officer Tuberculosis Research Centre	TRC-Epidemiology Unit Tiruvallur, Tamil Nadu
Feb 1994 – Nov 1999	Research Officer Tuberculosis Research Centre	TRC-Madurai Unit Madurai, Tamil Nadu
Jan 1991 – Jan 1994	Senior Research Fellow Tuberculosis Research Centre	Govt. Gen. Hospital Chennai, Tamil Nadu
Sept 1990 – Jan 1991	General Duty Medical Officer Neyveli (adhoc)	General Hospital, Industrial- -Unit, NLC Ltd, Neyveli

Present Official Designations:

- **Assistant Director (Scientist D [Medical]), TRC** 2004 to till date
- **Member Secretary, TRC Institutional Ethics Committee** 2005 to till date

Selected Workshops / Scientific Conferences attended and Presentations made:

International:

1. Fifth International Conference on '**Emerging Infectious Diseases in the Pacific Rim**'. Chennai – 9th to 11th January 2000.
2. International workshop on '**Ethical Issues in Health Research in south Asia**'. Thiruvananthapuram – 29th Jan to 1st Feb 2001.
3. Indo-French Symposium on '**Tuberculosis and AIDS**'. Chennai – 7th to 9th March 2002.
4. International workshop on '**Bioethics-Centrally coordinated bioethics education for India**'. Chennai – 6th to 10th February 2006.
5. Third Joint ICMR-UConn-Imperial College workshop on '**Research Methodology for undergraduate medical students and young faculty**'. Chennai - 10th to 14th July 2006; was a resource person to deliver a lecture on “Institutional Ethics Committees”, and organized “field epidemiology training” and “data collection process” training.
6. ICMR-FERCAP **Human Subject Protection Course (HSPC)** for Ethics Committees. Mumbai - 2nd to 4th August 2006; was a resource person and delivered a lecture on “Privacy & Confidentiality of Health Information” and “Standard of Care, Access, and Justice issues”, and organized a “mock Institutional Review Board” for the participants.
7. ICMR-FERCAP **Standard Operating Procedures (SOP) training Course** for Ethics Committees. Mumbai - 30th August to 1st September 2006; was a resource person and delivered a lecture on “Site Monitoring Visits” and “Managing Study Files”.
8. 23rd Western Institutional Review Board® **Annual Board Meeting and Annual Training Seminar**. Seattle, WA, USA – 13th to 15th September 2007; was one of the speakers and delivered a lecture on “Tuberculosis Research Centre Institutional Ethics Committee: Evolution over time-1956 to till date”.
9. WHO temporary advisor for training on “**Principles of Good Clinical Practices (GCP) & Research Ethics for investigators and ethics committee members**” at Dhaka, Bangladesh – 13th to 15th November 2007; was one of the speakers and delivered lectures on “History & overview of International Guidelines in Research Ethics”, “Epidemiological & Behavioural Research”, “Genetic Research & use of stored samples”, and “Protecting privacy & confidentiality of health information”.
10. Fifth Joint ICMR-UConn-Imperial College workshop on '**Research Methodology for undergraduate medical students and young faculty**'. Chennai - 24th to 28th March 2008; was a resource person and organized “field epidemiology training” and “data collection process” training.
11. WHO temporary advisor for training on “**Principles of Good Clinical Practices (GCP) & Research Ethics for investigators and ethics committee members**” at Kathmandu, Nepal – 23th to 25th April 2008; was one of the speakers and delivered lectures on “History & overview of International Guidelines in Research Ethics”, “Epidemiological & Behavioural Research”, “Genetic Research & use of stored samples”, “Ethical Review Procedures”, “Principles of GCP: Role of Sponsor”, “Principles of GCP: Role of Investigator”, and “Protecting privacy & confidentiality of health information”

National:

1. Workshop on '**Health Research Management**' organized by WHO and ICMR from 14th to 16th September 1999 at Chennai.
2. 1st Sir Dorabji Tata Symposium on '**Status of Tuberculosis in India 2000**' organized by Indian Institute of Science-Bangalore between 11th and 12th March 2000 at Bangalore.
3. 2nd National meeting on '**Tuberculosis management in India: Assessment, Diagnosis and Treatment**' organized by the Indian Society of Health Administrators from 24th to 27th June 2003 at Bangalore.
4. 31st Annual National Conference of Indian Association of Preventive and Social Medicine (IAPSM) from 27th to 29th February 2004 at Chandigarh.
5. WHO sponsored workshop on “**Good Clinical Practice for Ethics Committee Members**” organized by Central Drugs Standard Control Organization (CDSCO), Government of India, at the Department of Pharmacology, JIPMER from 18th to 19th October 2005 at Pondicherry.

6. Joint national conference of Indian Public Health Association (IPHA) and Indian Association of Preventive and Social Medicine (IAPSM) from 21st to 24th January 2006 at Tirupati, AP.
7. ICMR NIH workshop '**Centrally coordinated bioethics education in India for researchers, faculty, and ethics committee members**' organized along with Indian Medical Association Kozhikode Chapter, Kozhikode. 19th November 2006; was a resource person and delivered a lecture on "**Inducement to Participation in Research**" and "**Conflict of Interest**".
8. Meeting on "**HIV/AIDS: Biology, Immunology, and Vaccinology**" organized by Department of Biotechnology, Government of India, and Indo-US Science & technology Forum between 13th and 14th March 2007, at New Delhi.
9. Faculty for certificate programme in "**Technology & Sustainable Development**", Indian Institute for Technology, Madras – delivered lectures on "**Science, Technology, and Sustainable Development: TB Control strategy**", and "**Status of BCG vaccine**" on 21st February 2008 at IIT, Chennai
10. Delivered the **Tamil Nadu TB Association Endowment lecture** on "**Scientific basis of Tuberculosis Control**" on 20th March 2008, at Government Rajaji Hospital, Madurai
11. Under the NIH sponsored **Bioethics - Centrally sponsored bioethics education in India**, attended the workshop on "Bioethics for researchers, faculty members and members of Ethics Committees of the medical/research institutions of Western India" and delivered lectures on "**Institutional Ethical Committee management, role and responsibilities**", and "**Mock IRB on a submitted protocol**" between 7th and 9th September 2008 at Pune
12. Under the NIH sponsored **Bioethics - Centrally sponsored bioethics education in India**, attended the workshop on "Bioethics for researchers, faculty members and members of Ethics Committees of the medical/research institutions of Western India" and delivered lectures on "**Institutional Ethical Committee management, role and responsibilities**", "**Mock IRB on a submitted protocol**", and "**Ethical issues in epidemiological research with special emphasis on Public Health**" between 22nd and 24th September 2008 at Imphal
13. Attended the II National Workshop on '**Key concepts in Nursing Research**' organized by the Ultra Trust & Sacred Hearts College of Nursing and delivered a lecture on "**Art and Science of Scientific Writing**" on 5th December 2008 at Madurai
14. Under the NIH sponsored **Bioethics - Centrally sponsored bioethics education in India**, attended the 'II Long-term training program on Bioethics' and delivered lectures on "**Institutional Ethics Committee: Review of documents**", "**Institutional Ethics Committee: SOPs and Documentation**", and "**Mock IRB on a submitted protocol**" between 8th and 10th December 2008 at St. Johns National Academy for Health Sciences, Bangalore
15. Attended the RNTCP training workshop for Medical Officers, Counselors, and Pharmacists of Madurai District organized by the Office of the Deputy Director of Health Services (TB) Madurai District and delivered the lecture on "**HIV-TB an human coexistence**" during March 2009 at Madurai, TN
16. Attended the RNTCP training workshop for Medical Officers and Programme Managers of Railway Hospital, Madurai Division organized by the Office of the Deputy Director of Health Services (TB) Madurai District and delivered a lecture on "**Scientific basis of Tuberculosis Control**" on 23rd July 2009 at Madurai, TN
17. Attended the training workshop on 'Ethics in Biomedical Research' for ethics committee members of National Institute of Epidemiology (NIE) and Tuberculosis Research Centre (TRC) Institutional Ethics Committee organized by the National Institute of Epidemiology (NIE) and delivered a lecture on "**Ethical issues in Clinical & Epidemiological Research**" on 22nd January 2010 at NIE, Chennai, TN
18. Attended the II WHO / TDR Asian Biosafety Training course organized by the Centre for Research in Medical Entomology (CRME) and delivered a lecture on "**Importance of Biosafety: Ethical issues**" on 1st March 2010 at Madurai, TN
19. Attended the training workshop on 'Ethics in Biomedical Research' for researchers organized by the National Institute of Epidemiology (NIE) and delivered a lecture on "**Public health ethics and community trials**" and "**Privacy and confidentiality**" on 30th April 2010 at NIE, Chennai, TN
20. Attended the workshop titled "**US-India partners in protection: addressing regulatory challenges in 2010**" organized by the Department of Health and Human Services - DHHS (USA) between 13th and 14th May 2010 at Pune

Selected Publications:

1. A study of microscopic haematuria in chronic filariasis and asymptomatic microfilareemics. Royal college of Physicians and Surgeons, Glasgow. in Medicine and Surgery 2000AD – 1992, 5-18 November, 349-61.
2. M Ravikumar, V Dheenadhayalan, K Rajaram, S Shanmuga Lakshmi, **P Paul Kumaran**, C N Paramasivan, K Balakrishnan, R M Pitchappan. Associations of HLA-DRB1, DQB1 & DPB1 alleles with pulmonary tuberculosis in south India. Tubercle and Lung Disease 1999; 79 (5): 309-17.
3. **P Paul Kumaran**. Tuberculosis: An overview. Scenario during the millennium 2000. Commemorative publication on Tuberculosis – World TB Day 2000. Karnataka State Tuberculosis Association & ACTIONAID India. pp. 29-30.
4. **P Paul Kumaran**. Status of BCG vaccine. Sir Dorabji Tata Symposium Series. Volume 1: 'Status of Tuberculosis in India-2000'. Indian Institute of Science. pp. 47-56.
5. Tuberculosis Research Centre. Tuberculosis control without protection from BCG (Letters to the editor). Indian Pediatrics 2000; 37: 1149-51.
6. Tuberculosis Research Centre. Trends in the prevalence and incidence of tuberculosis in south India. International Journal of Tuberculosis and Lung Disease 2001; 5 (2): 142-57.
7. C Immanuel, R Rajeswari, F Rahman, **P Paul Kumaran**, V Chandrasekaran, R Swamy. Serial evaluation of serum neopterin in HIV sero-negative patients treated for tuberculosis. International Journal of Tuberculosis and Lung Disease 2001; 5 (2): 185-90.
8. P R Narayanan, Renu Garg, T Santha, **P Paul Kumaran**. Shifting the focus of tuberculosis research in India. Tuberculosis 2003; 83: 135-42.
9. Narayanan P R, Santha T, **Paul Kumaran P**. Tuberculosis control strategies: challenges to health management research. Health Administrator 2003; 15 (1 & 2): 113-17.
10. **P Paul Kumaran**. Assessment of community infection ratio in the 'Model DOTS Project' area for tuberculosis control. Working paper series – No. 4, October 2003, AMCHSS, SCTIMST, Thiruvananthapuram.
11. P G Gopi, R Subramani, T Santha, **P P Kumaran**, V Kumaraswami, P R Narayanan. Relationship of ARTI to Incidence and Prevalence of Tuberculosis in a district of south India. Int J Tuberc Lung Dis 2006; 10 (1): 115-17.
12. Ettie M Lipner, P G Gopi, R Subramani, C Kolappan, K Sadacharam, **Paul Kumaran**, D Rebecca Prevots, P R Narayanan, Thomas B Nutman, V Kumaraswami. Coincident filarial, intestinal helminth, and mycobacterial infection: helminthes fail to influence tuberculin reactivity, but BCG influences hookworm prevalence. Am J Trop Med Hyg 2006; 74 (5): 841-47.
13. M. Muniyandi, R. Ramachandran, P. G. Gopi, V. Chandrasekaran, R. Subramani, K. Sadacharam, **P. Kumaran**, T. Santha, F. Wares, P. R. Narayanan. The prevalence of tuberculosis in different economic strata: a community survey from South India. Int J Tuberc Lung Dis 2007; 11(9): 1042–45.
14. Basirudeen Syed Ahamed Kabeer, Rajasekaran Sikhamani, Soumya Swaminathan, Venkatesan Perumal, **Paul Kumaran Paramasivam**, Alamelu Raja. "Role of Interferon Gamma release assay in active TB diagnosis among HIV infected individuals" PLoS ONE (www.plosone.org) 28 May 2009; 4 (5): e5718. doi: 10.1371/journal.pone.0005718
15. Subash Babu, Sajid Q. Bhat, N. Paven Kumar, S. Jayantasri, S. Rukmani, **Paul Kumaran**, P. G. Gopi, C. Kolappan, V. Kumaraswami, and Thomas B. Nutman. Human type 1 and 17 responses in latent tuberculosis are modulated by coincident filarial infection through cytotoxic T lymphocyte antigen-4 and programmed death-1. The Journal of Infectious Diseases 15 July 2009; 200 (2): 288-98.
16. Subash Babu, Sajid Q. Bhat, N. Paven Kumar, R. Anuradha, **Paul Kumaran**, P. G. Gopi, C. Kolappan, V. Kumaraswami, and Thomas B. Nutman. Attenuation of toll like receptor expression and function in latent tuberculosis by coexistent filarial infection with restoration following

antifilarial chemotherapy. *PLoS Neglected Tropical Diseases* (www.plosntds.org) 28 July 2009, 3 (7): e489. doi: 10.1371/journal.pntd.0000489

Additional Training and Work Experiences:

1. Was a member of the team for '**Appraisal of RNTCP preparatory activities in India**':
 - Perambalur district of Tamil Nadu – 26th December 2000
 - State of Mizoram – 1st to 10th March 2003
2. Underwent training on '**Research Methodology**' organized by PSG Institute of Medical Sciences and Research, Coimbatore – 28th to 29th August 2003
3. Underwent training on '**Good Clinical Practice for Ethics Committee Members**' organized by Central Drugs Standard Control Organization (CDSCO), Government of India, sponsored by the WHO at JIPMER, Pondicherry – 18th and 19th October 2005
4. Member of "**Project Monitoring Committee-PMC**" to DBT, Government of India – 2007-2008
5. Was an International Surveyor for three Ethics Committees at '**An International Course on Surveying and Evaluating Ethical Review Practices**', organized by WHO / SIDCER / FERCAP, at Thailand, 20th to 30th July 2008, and was a Lead Surveyor for one Ethics Committee Survey
6. Was an International Surveyor for one Ethics Committee at '**An International Course on Surveying and Evaluating Ethical Review Practices**', organized by WHO / SIDCER / FERCAP, at Mumbai, India, 23rd to 26th February 2009

Membership of Scientific Societies:

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| 1. Life Member - Association for Social Health in India (ASHI) | - | 1994 |
| 2. Life Member - Indian Association of Preventive and Social Medicine (IAPSM) India (www.iapsm.org.in) | - | 2004 |
| 3. Life Member - Indian Public Health Association (IPHA), India (www.iphaonline.org)- | | 2006 |
| 4. Life Member - Forum for Ethical Review Committees in the Asian & Western Pacific Region (FERCAP), WHO (www.fercap-sidcer.org) | - | 2007 |
| 5. Life Member - Forum for Ethical Review Committees in India (FERCI), India | - | 2008 |

Dr P Paul Kumaran