

CURRICULUM VITAE

Name : **MARIMUTHU MAKESHKUMAR**

Date of birth : 15th July 1975

Qualification : MBBS (1993-1999)
Madurai Medical College,
The Dr.MGR Medical University, Chennai.

Present Position : Scientist “C” (NIRT - Madurai Unit)
National Institute for Research in Tuberculosis (NIRT) Chennai

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Area's of work : Involved in Randomized Clinical Control
Trials, Cohort studies and Vaccine trials in the field of
Tuberculosis, HIV / AIDS and Diabetes.

Membership in Professional
Society/Council : 1.Member of Tamilnadu Medical Council, Chennai.
2. Member of Indian Medical Association - Madurai Branch
3. Member of the National Foundation for
Infectious Diseases (NFID), Bethesda, Maryland, USA.
4. Member Secretary of Institutional Ethics Committee of National
Institute for Research in Tuberculosis, Chennai.
5. Member of Madurai Consumer Protection Center, Maduari.

Experience

- Senior Research Fellow in Clinic Division, Tuberculosis Research Centre (ICMR) -Chennai, from December 2000 to March 2005
- Co-Principal Investigator and Physician - in Vaccine Trial Centre, Tuberculosis Research Centre, (ICMR) - Chennai from April 2005 to December 2006.

- Co-Principal Investigator and Medical officer - in Vaccine Trial Centre, Tuberculosis Research Centre, (ICMR) - Chennai from January 2007 – July 2009, in Vaccine Trial Centre, N
- Scientist “B” in National Institute for Research in Tuberculosis (ICMR), Chennai from July 2009 to August 2014.
- Scientist “C” in National Institute for Research in Tuberculosis (ICMR)-Chennai from September 2014 to till date.

Training

- Undergone 5 days participatory training for Medical Officers in the RNTCP from 25.08.2003 to 29.08.2003 organized by Tuberculosis Research Centre (ICMR), Chennai
- Participated in “AIDS Vaccine trials and Good Clinical Practice” (GCP) training, conducted by Johns Hopkins Bloomberg School of Public Health during 7th to 9th June 2005 in Chennai, India
- Participated in a training workshop on “Integrating Gender in AIDS Vaccine Trials” conducted by International AIDS Vaccine Initiative during 9th to 11th July 2005 at Chennai, India
- Undergone training on “Phase I HIV Vaccine Trails” at NARI, Pune from the 16th to 18th of November 2005.
- Completed the one day course of “Basic Life Support for Health Care Providers / Public” held at Sundaram Medical Foundation, Chennai on 10.01.2006, conducted by the Indian Society of Critical Care Medicine (Chennai, Chapter).
- Undergone training on Advanced Good Clinical Practice Workshop – GCP for HIV Vaccine studies, Conducted by the John Hopkins Bloomberg School of Public Health from 25.07.06 to 27.07.06 at Chennai.
- Undergone Fire Safety Management Training Programme Conducted by Madras Fire Protection Equipments and Services on 22.1.2007 at Chennai.
- Completed the Intensive Eight-Week Distance Education course on the CLINICAL VACCINE TRAILS AND GOOD CLINICAL PRACTICE conducted by John Hopkins Bloomberg School of Public Health during the month of May – July 2007.
- Participated in the Educational Activity entitled “CLINICAL VACCINOLOGY COURSE” held at Bethesda, Maryland, USA, November 9th – 11th 2007 and was awarded 16.7 AMA PRA Category I Credits , Organized by the National Foundation for Infectious Diseases, Bethesda, Maryland, USA.
- Undergone training on “Good Clinical Laboratory Practices” (GCLP) for HIV Vaccine studies, Conducted by the ‘Qualogy’ (The Science of Quality) at Kilifi, Kenya from 3.11.08 to 04.11.08.
- Participated in “BD Vacutainer Training” on Dummy Arm Collection, conducted by BD on 30.12.2008, at National Institute for Research in Tuberculosis (ICMR)-Chennai.
- Undergone refresher training on Good Clinical Practice (GCP) between 21- 22 of January 2009 Conducted by International AIDS Vaccine Initiative, at National Institute for Research in Tuberculosis (ICMR), Chennai.

- Undergone Fire Safety Management training Programme (Refresher) Conducted by Madras Fire Protection Equipments and Services on 6.1.2009 at Chennai.
- Undergone the training on 'Ethics in Clinical Research' from 7th to 11th January, 2013 at KEM, Mumbai organized by Clinical Development Services Agency (CDSA), an extramural unit of Translational Health Science and Technology Institute (THSTI), Department of Biotechnology, Government of India, through its Clinical Investigator Development Program (CIDP) and supported by the Institute for One World Health (OWH), an affiliate of the Program for Appropriate Technology in Health (PATH).
- Attended "ICMR-FERCAP Standard Operating Procedures training course for Ethics Committee Members", organized at the National Institute for Research in Tuberculosis, Chennai during 3rd – 5th June 2013.

National / International conferences / Seminars / workshop etc attended:

- Participated as a delegate in MV Diabetic Research Foundation – University of Alabama organized NATIONAL SEMINAR ON EPIDEMIOLOGY OF NON COMMUNICABLE DISEASES – sponsored by National Institute of Health, USA, 18-21 March 2004 at MV Diabetic Research Foundation, Chennai.
- Participated and presented a topic on 'Vaccine Research and Development' in the conference on HIV Updates for Nurses at Meenakshi Ammal Dental College, Chennai on 21.10.2005
- Attended the State level NGO meet as a part of Phase I HIV Vaccine Trial's Advocacy Programme of National Institute for Research in Tuberculosis, organized by YRG Care Centre on 30th December 2005 at University of Madras, Guindy Campus Chennai.
- Participated and presented the 'HIV Vaccine Research and Development in India' at the 2nd International Inter Faith Conference on Prevention and Control of HIV/AIDS, on 7th and 8th January 2006, at IIT Campus Chennai.
- Attended the Research Dissemination Workshop on "Impact of Nutritional Intervention in HIV Positive Persons", on 2nd March 2006, organized by National Institute for Research in Tuberculosis, and World food Programme(New Delhi) at Chennai.
- Participated and presented a topic on 'HIV Vaccine Research and Development in India' at State Level HIV Positive Network meeting organized by YRG Care at Madurai on 01.05.06.
- Participated in AIDS Vaccine 2006 Conference from 29th August to September 1st 2006 at Amsterdam, Netherlands.
- Participated as a Panelist in a Digital Video Conference between the US and Chennai panelist to exchange information on 'The Community Advisory Boards (CABs) and their role in AIDS Clinical Trials' on 20.12.2006 organized by The Office of Public Affairs, U.S. Consulate General-Chennai at the Consulate Premises.

- Attended the Fourth Convention of Society for Immunology and Immunopathology & National Symposium on Immuno Bio Technology on 25-27 February 2007 organized by National Institute for Research in Tuberculosis and Madras Veterinary College, Chennai and also involved as the Treasurer in the Core Organizing Committee of the same.
- Participated and presented a poster on “A Phase I Study to evaluate the safety and Immunogenicity of a recombinant modified vaccinia Ankara virus (TBC-M4) Multigenic HIV Subtype C Vaccine” in the AIDS VACCINE 2007 Conference from 20 August to 23 August, 2007 at Seattle, USA.
- Attended workshop on Ethics in Research Involving Human Participants on the 28th of Feb 2008, Conducted by YRG Care in Collaboration with Indian Council of Medical Research, New Delhi and Brown University, USA.
- Participated in First Annual Science Symposium on HIV / AIDS 2008 Conducted by YRG Care from Sep 22 to Sep 23 2008.
- Attended the Keystone Symposium on Emerging Infections and Drug-Resistant Organisms from 22 to 27, October 2008 at Bangkok, Thailand.
- Attended the YRG Care Bioethics Symposium Conducted by YRG Care on 11.01.09.
- Participated in the AIDS VACCINE 2010 Conference from 27 September to 3 October, 2010 at Atlanta, USA
- Participate in 65th National Conference on Tuberculosis and Chest Diseases – 2010 on 10 -12 January 2011 at Bangalore.
- Participated in the ‘Research Methodology Workshop for ICMR Scientists’ from 31 October-11 November 2011, Organized by National Institute of Epidemiology at Chennai.
- Attended ‘The YRG CARE Bioethics Symposium’ on 6th January 2012, held at Chennai, Organized by YRG CARE, in collaboration with the National Institute of Epidemiology, through the NIH Project Centrally Co-coordinated Bioethics Education for Indian’ and the National Institute for Research in Tuberculosis, ICMR, Chennai co-sponsored by Public Responsibility in Medicine and Research (PRIM&R), Boston, USA.
- Participated in an International Symposium on **“Accelerating India’s Response to Research for a Preventive HIV Vaccine” in Delhi, India on 4th-5th April 2012** organized by Department of Biotechnology (DBT), Ministry of Science & Technology and Department of Health Research, Ministry of Health & Family Welfare, Government of India in partnership with Parliamentarian forum for HIV/AIDS (PFA), Vaccine and Infectious Diseases Research Centre of the Translational Health Science and Technology Institute (THSTI) and International AIDS Vaccine Initiative (IAVI).
- Presented the “A Phase I Study to evaluate the safety and Immunogenicity of a recombinant modified vaccinia ankara virus (TBC-M4) Multigenic HIV Subtype C Vaccine” in the 4th

ASIAHORC's Joint Symposium on "Asian Frontiers in Infection, Immunity and Vaccines" at Lotte Resort ,Buyeo ,South Korea on 11-14 November 2012.

- Participated in "Ethics and Responsible conduct of Research :Basics and Beyond" Organised by CITI –India, Sri RamachandraUniversity and CITI ,University of Miami, USA on 11th and 12th November 2014 held at Sri RamachandraUniversity, Chennai,India (which offers Ten CME Credit hours).
- Participated in the training First Joint CReATE Centers Workshop on Ethics, Pharmacovigilance, Biostatistics and Data Management in Clinical Research, Organised by CReATE (Clinical Research Advancement Towards Excellence) and Goa Medical College at Goa Medical College, Goa, India on November 26-27, 2014.
- Participated in the training workshop on Capacity Building of Ethics Committees for Clinical Research in India, organized by CReATE /PATH and PIMS, at Pondicherry Institute of Medical Sciences ,Puducherry on April 6-8, 2015 ((it has been awarded for 6 credit hours of Category 2 CME credits by Tamil Nadu Medical Council, Chennai).

Publications

1. "A Phase 1 study to evaluate the Safety and immunogenicity of a Recombinant HIV-1 Subtype C Modified Vaccinia Ankara Virus Vaccine in Indian Volunteers" Vadakkupattu Devasenapathi Ramanathan, **Makesh Kumar** , Mahalingam Jayashri, pattabiraman Sathyamoorthy, Paranjji Ramaiyengar Narayanan, Sunti Solomon, Dennis Panicali, Sekhar chakrabathy , Josephine cox , Eddy Sayeed , Jim Ackland , Carl Verline , Dani Vooijs, Kelley Loughran, Burc Barin, Angela Lombardo, Jill Gilmour, Gwynneth Stevens , Sonali Kochhar , Jean – Louis Excler , Patricia Fast Published in "AIDS RESEARCH AND HUMAN RETROVIRUSES"Volume.25,November 11 2009
2. Safety and Immunogenicity of DNA and MVA HIV-1 Subtype C Vaccine Prime-Boost Regimens: A Phase I Randomised Trial in HIV-Uninfected Indian Volunteers. Sanjay Mehendale, Madhuri Thakar, Seema Sahay, **Makesh Kumar**, Ashwini Shete, Pattabiraman Sathyamurthi, Amita Verma, Swarali Kurle, Aparna Shrotri, Jill Gilmour, Rajat Goyal, Len Dally, Eddy Sayeed, Devika Zachariah, James Ackland, Sonali Kochhar, Josephine H. Cox, Jean-Louis Excler, Vasanthapuram Kumaraswami, Ramesh Paranjape, Vadakkupattu Devasenapathi Ramanathan. *PLoS ONE* 8(2): e55831
3. Randomized Clinical Trial of Thrice-Weekly 4-Month Moxifloxacin or Gatifloxacin Containing Regimens in the Treatment of New Sputum Positive Pulmonary Tuberculosis Patients . Mohideen S. Jawahar^{1*}, Vaithilingam V. Banurekha¹, Chinnampedu N. Paramasivan¹, Fathima Rahman¹,Rajeswari Ramachandran¹, Perumal Venkatesan¹, Rani Balasubramanian¹, Nagamiah Selvakumar¹,Chinnaiyan Ponnuraja¹, Allaudeen S. Iliayas², Navaneethapandian P. Gangadevi², Balambal Raman¹,Dhanaraj Baskaran¹, Santhanakrishnan R. Kumar²,

Marimuthu M. Kumar², Victor Mohan², Sudha Ganapathy¹, Vanaja Kumar¹, Geetha Shanmugam¹, Niruparani Charles¹, Murugesan R. Sakthivel², Kannivelu Jagannath³, Chockalingam Chandrasekar⁴, Ramavaram T. Parthasarathy⁵, Paranji R. Narayanan¹ July 2013 | Volume 8 | Issue 7 | e67030

4. “Experiences in recruiting volunteers through community based initiatives in Phase- 1 vaccine trials in India” Seema Sahay¹, **Makesh Kumar**², Aylur K Srikrishnan³, Vadakkupattu Ramanathan², and Sanjay Mehendale⁴,*¹National AIDS Research Institute; Pune, Pune India; ²National Institute of Research in Tuberculosis; Chennai, TamilNadu India; ³YRG Care; Chennai, TamilNadu India; ⁴National Institute of Epidemiology; Chennai, TamilNadu India, Human Vaccines & Immunotherapeutics 10:2, 1–7; February 2014;
5. Sputum Culture Conversion with Moxifloxacin Containing Regimens in the Treatment of New Sputum Positive Pulmonary Tuberculosis Patients in South India, Banurekha V Velayutham¹, Iliayas S Allaudeen¹, Gomathi N Sivaramakrishnan², Venkatesan Perumal³, Dina Nair¹, Ponnuraja Chinnaiyan³, Paul K Paramasivam¹, Baskaran Dhanaraj¹, Ramesh K Santhanakrishnan¹, Gangadevi P Navaneethapandian¹, **Makesh K Marimuthu**¹, Vanaja Kumar², Chandrasekaran Kandasamy³, Kalaiselvi Dharuman¹, Thiruvalluvan Elangovan¹, Meenakshi Narasimhan⁴, Sridhar Rathinam⁵, Gangadharan Vadivelu⁶, Prabhakaran Rathinam⁷, Chandrasekar Chockalingam⁸, Lavanya Jayabal⁹, Soumya Swaminathan¹, and Jawahar M Shaheed¹ Clin Infect Dis. (2014) doi: 10.1093/cid/ciu550;