

Name ó Dr. Vidhan Jain

DOB ó 26 June 1978

Education: MSc, PhD (Microbiology)

Work Experience

- Worked as research assistant (2004-2007) at National Institute of Malaria Research FS Jabalpur, India under the NIH funded project "Cerebral Malaria associated Neurological Disorder in Central India". Nature of work includes Patients enrollment & Hospital record review, Sample collection & processing, ELISA of various cytokines, apoptotic markers and brain damage markers were performed.
- Worked as Senior Research Fellow (2008-2010) at National Institute of Malaria Research FS Jabalpur, India in a ICMR Task Force Project "Preparation of field site for malaria vaccine trial in and around Jabalpur". Nature of work includes Selection and development of field site, house hold/malaria questionnaire development. Longitudinal follow-up of cohort of 1700 pregnant women, 4 time point (1 year) Anti-peptide ELISA of different stage specific B and T cell epitopes (CDC, Atlanta, GA) of *P. falciparum* and *P. vivax* of enrolled subjects, Evaluation of longitudinal cell mediated immune response by radioactive tritium method by antigen stimulated Human PBMCs, use of FACS to assess lymphocyte proliferation.
- Worked as Senior Research Fellow (2010-2012) at Regional Medical research Center for Tribals, ICMR, Jabalpur, India under the project "Evaluation of biomarker to assess malaria severity due to *P. faciparum* in Central India". Nature work includes validation of biomarkers for cerebral malaria severity using Luminex Multiplex suspension array
- Worked as Sc. B at ICMR-National Institute of Research in Tribal Health, Jabalpur, India (2012-2015). Nature of work includes standardization of red cell, platelet, monocyte derived microparticles and endothelial progenitor cells to assess cerebral malaria severity in Central India.

- Worked as Sc. C at ICMR-National Institute of Research in Tribal Health, Jabalpur, India (2015-till now).
A Field based study to assess burden of malaria in pregnancy in two blocks of Balaghat district was carried out.

Symposiums, workshops, and presentation of important work

1. Successfully completed NIECER course on "Health Research Fundamentals" offered Jointly by NIE, ICMR, Chennai, IIT Madras and NPTEL for the year 2016.
2. Attended workshop on "Formulation of Ethical Guideline for Tribal Health Research" held on 3rd February 2015, 23 May 2016 at Regional Medical Research Centre for Tribals, ICMR, Jabalpur.
3. Attended workshop on **"Good Clinical Practice"** held on **01st October, 2014** at Regional Medical Research Centre for Tribals, ICMR, Jabalpur.
4. Attended sensitization workshop on Ethical Issues in Biomedical and Health Research is held on 25th & 26th July, 2014 at Regional Medical Research Centre for Tribals, ICMR, Jabalpur.
5. Successfully completed the training programme for Radiological safety officer organized by Indian association of radiation protection at BARC, Mumbai from 3rd to 12th May 2013.
6. Attended 82nd BRNS-IANCAS National workshop on "Radiochemistry and applications of Radioisotopes". A hands on training programme at Amity University Haryana, 12-20 March 2013.

7. Attended 24th National Parasitology Congress 27-29th May 2013 at RMRCT, Jabalpur and gave oral presentation on "Usefulness of pfHRP-2 Estimation to Ascertain Cerebral Malaria from Mild Malaria in South Bastar Region of Chhattisgarh, Central India".
8. Handø on workshop on DNA diagnostics 2011 ó 24th to 26th November 2011 at SGPGI Lucknow.
9. XI symposium on vectors and vector borne diseases ó 15th to 17th October 2011, RMRCT, ICMR, Jabalpur ó Oral presentation on "VEGF in *P. falciparum* malaria in Central India".
10. Attended workshop on "Fluorescent Activated Cell Sorter" at TIFR, Bangalore 2010.
11. International symposium on tribal health ó 27th March to 1st April 2009, RMRCT, ICMR, Jabalpur - Poster presentation on "Understanding immunopathogenesis of *P. falciparum* induced anemia, cerebral malaria and other systemic complications - Jabalpur vaccine project ó III.
12. American society of tropical medicine and hygiene 57th meeting 2008, Abstract no. 341 ó "Cytokine profile in various severe forms of falciparum malaria in central India". **Jain V**, Biswas S, Dash AP, Lucchi N, Singh N; P 100.
13. IX Internationl symposium on vectors and vector borne diseases 2008 ó 15th to 17th February 2008, Puri, Orrisa, India - Poster presentation on "Apoptotic and angiogenic growth factors mediate cerebral malaria severity in Central India". **Jain V**, Henary Armah, Nagpal AC, Joel PK, Singh MP, Udhayakumar V, Stiles JK and Singh N.

14. International workshop on molecular epidemiology and immuno epidemiology of Malaria and other vector borne disease ó October 2007 RMRCT, ICMR, Jabalpur, India ó Poster presentation on õPro inflammatory and Anti inflammatory cytokine profiles of *Plasmodium vivax* malaria in Central Indiaö. **Jain V**, Singh PP, Saxsena A, Patel R, Bharti PK, Silawat N, Biswas S, Singh N.
15. National symposium on tribal health ó 19-20th October 2006, RMRCT, ICMR, Jabalpur ó Poster presentation on õCytokine biomarkers of cerebral malaria severity and associated neurological disorders in Central India (2nd Prize). **Jain V**, Henary Armah, Nagpal AC, Joel PK, Singh MP, Udhayakumar V, Stiles JK, Singh N.
16. American society of tropical medicine and hygiene 54th meeting, 2005, Abstract number 323 - õNeurological deficit associated with cerebral malaria in Central Indiaö. Stiles JK, Udhayakumar V, Ned R, Shukla M, **Jain V**, Newton C, Armah HB, Nagpal AC, Joel PK, Singh N.
17. International conference on Malaria ó 4th to 6th November 2005, malaria research Center, ICMR, New Delhi
18. XXIX Annual meeting of the Indian Immunology Society and Symposium on Immunoparasitology at Bhubaneshwar ó 27th to 29th November 2002.
19. Symposium on trends in molecular medicine, society of young scientist, AIIMS, New Delhi ó 7th September 2002.
20. National symposium on õContemporary trends in biological sciences ó 9th to 11th January, department of life sciences, RD University Jabalpur.

Other Research Experience:

1. Dissertation work for a period of 6 months as part of M.Sc course on **“Air Borne Nosocomial Opportunistic Fungal Infections in Immunocompromised Cancer Patients”**. (Year 2002). Aeroallergens and Immunology laboratory, Dept. of Biological Sciences, RD University, Jabalpur.
2. Working experience of 2 months on **“QBC Identification of Malaria Parasite and Pathogenic Bacteria through Fluorescent Microscope”**. (Year 2002). Under supervision of Dr. JC Samantaray (Professor), Dept of Microbiology AIIMS New Delhi.
3. Research experience from Jan 2003 to May 2003 on PCR identifications of hemoglobinopathies RMRCT, ICMR, Jabalpur, India.

Research Experience in foreign laboratories

1. March 2006 to May 2006 in laboratory of Dr. Jonathan K Stiles (Prof.), Department of Microbiology, Biochemistry and Immunology, Atlanta, GA, USA.
2. July 2009 to September 2009 in laboratory of Dr. Venkatachalam Udhayakumar, Malaria branch, CDC, Atlanta, GA, USA.

Awards

Young Scientist award at National symposium on tribal health ó 19-20th October 2006, RMRCT, ICMR, Jabalpur