

Dr Ritu Aggarwal

Dr Ritu Aggarwal is working as Professor in the Department of Immunopathology for more than 10 years. She is a trained pathologist and provides patient care services, her research is focused in areas which include Immunogenetics, Immunology of diseases particularly Human Papillomavirus, Cervical cancer and Pediatric tumors. She has undergone training at the ASHI (American Society for Histocompatibility and Immunogenetics) accredited laboratory at the University of Calgary, Alberta, Canada, to gain experience in the field of Immunogenetics. She was awarded membership of the National Academy of Medicine in the year 2009. To learn various aspects of proteomics and bioinformatics, a two months' fellowship was awarded by ICMR, Dept. of Health Research, New Delhi, at the Institute of Bioinformatics, Bangalore in 2012.

She has guided both PhD and M.D students as the main guide and co-guide. Besides this she has been co guide for experimental work of several D.M and M.Ch thesis. She has obtained funding for several extramural projects from agencies including Indian Council of Medical Research, New Delhi, Department of Biotechnology, New Delhi, Council of Scientific and industrial Research, New Delhi and Department of Health Research, New Delhi. She actively worked on a joint collaborative project on CNS infections in Pediatric patients with the Karolinska Institute, Sweden as Principal investigator. As a part of this project, she established a high throughput Luminex facility, funded by the foreign collaborator. In addition, she worked on several intramural projects.

Immunology of infectious diseases which includes research on HPV has been an active area of research and have published several original articles in this field. She has received several awards for her research work which include the Annual conference of Pediatric Haemato- Oncology Chapter of Indian Academy of Pediatrics, Chennai, for research work titled, 'Human Papilloma virus-16 is isolated in 1/4th eyes with non-familial retinoblastoma: A prospective case-control study in north Indian children', 'Detection of oral herpes simplex virus 1 and 2 in children on chemotherapy: a comparison of serology, conventional PCR and quantitative real-time PCR', at the Annual Conference of the Pediatric Hematology/Oncology Chapter of Indian Academy of Pediatrics, N Delhi. 'HPV infection modulates Toll-like receptor transcriptome: Understanding causative role in Cervical cancer' at the 7th International Conference on Translational Cancer Research' held at Chennai, organized by the Department of

Biotechnology, IIT, Madras. Transcriptomics of toll – like receptor signalling pathway in children with acute bacterial meningitis’ at the 2nd Asian Congress of Pediatric Intensive Care, Chandigarh. She has published more than 70 papers in reputed International and National journals.