

Dr. Vivek Sagar

Working as Additional Professor of Public Health Laboratory Sciences (PHLS), at Community Medicine & School of Public Health, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India from 14th Jan 2017.

Education: M.Sc. Biotechnology, Ph.D

PhD from Department of Community Medicine and School of Public Health and Dept of Experimental and Biotechnology, PGIMER, Chandigarh on Molecular epidemiology of group A streptococcal strains.

Post doctoral scientist at one of the premier institute, Helmholtz Centre for Infection Research, Braunschweig, Germany from July 2007 to Jan 2012.

Research interest

A. Molecular diversity among *Streptococcus pyogenes* strains: impact on diagnosis, pathogenesis, treatment and scope of vaccine development!

B. Point of care molecular testing and basic point of care testing for strengthening the Primary health care system.

Recently got associated with Strep A Vaccine Global Consortium (SAVAC). Strep A Vaccine Global Consortium (SAVAC) is formed and convene representatives from the health sector to facilitate the development of GAS vaccine.

Positions held in the past

Research Fellow in project entitled “Jaivigyan mission mode project on community control of RF/RHD (Epidemiology study)” funded by Indian Council of Medical Research (ICMR), India (October 2000 to March 2002). **Junior Research Fellow** in project entitled “Epidemiological surveillance of Group A Streptococcal infections including pharyngitis and impetigo” funded by Department of Biotechnology, India (Indo-US) (April 2002 to May 2005). **Senior Research Fellow** in project entitled “Streptococcal Inhibitor of Complement Protein: its distribution, isolation and functional characterization from Indian GAS isolates. funded by Indian Council of Medical Research, India (June 2005 to June 2007). **Senior Research Fellow** in ICMR project entitled “*emm* typing and C- repeat sequencing of *emm* gene of Group A Streptococcus”. **Post doctoral scientist at one of the premier institute, Helmholtz Centre for Infection Research, Braunschweig, Germany from July 2007 to Jan 2012** under the guidance of one the renowned scientist in the field of microbiology, Prof. G.S Chhatwal. **Senior Research Scientist** in Indo German project entitled “Validation of PARF peptide from streptococcus as a marker of acute rheumatic fever and rheumatic heart disease” from February 2012 till Feb 2015. Worked as **Research Associate** at School of Public Health Department from March to May 2015. **Research Scientist D** in Indo – Canadian Project entitled “Urban Rural differences in risk factors and cardiovascular disease: the PURE (Prospective Urban Rural Epidemiology)” from June 2015 till Jan 2017. Participated in Indo UK project on brucellosis and conducted sero survey for brucellosis in general population of Punjab and also in project on networking of HIV transmission based on gene sequencing. Worked on other diseases of public health importance also like

Dengue, Chikungunya, Covid and Streptococcus Pneumoniae also.

Publications: 44 Publications

Scientific Memberships: Lancefield Society membership

Projects done or going on: More than 5 projects as PI and more than 10 as Co-PI from ICMR, Pfizer, Wellcome trust etc. Recently received a grant from the Wellcome Trust through SAVAC and IVI in South Korea for the surveillance of Group A streptococcal infections in both community and hospital settings, as part of preparations for a future vaccine trial against Group A Streptococcus.

Conferences: Attended and presented work in many **international conferences** specifically Lancefield symposiums, ASM.