



Name: Pooja Kishnani

Qualification: M.Sc. (Biotechnology)

Designation : Research Fellow

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#### \_Current work profile

1. Working on molecular identification of *Brucella spp*, *Listeria spp* and *Mycobacterium bovis*
2. Working on real time PCR (RT) for detection of DNA virus (Cytomegalovirus, Herpes Simplex Virus, Epstein-Barr Virus, Varicella zoster virus ) and RNA virus (Chandipura, Dengue, Japanese encephalitis and West Nile)

#### Work experience

1. Worked as Research Fellow in the project “**Study of incidence, Dynamics of Transmissions and Novel Biomarkers for Zoonotic Diseases from Central India. In Whole genome sequencing (WGS) project**, identified potential protein markers responsible for dynamic of transmission for zoonotic diseases (from animal to human) and reverse zoonosis (from human to animal)
2. Working on the development of multiplex PCR involving *Mycobacterium tuberculosis* and *Mycobacterium bovis*
3. Developed multiplex PCR for simultaneous detection of zoonotic microorganisms viz. *Brucella spp.* and *Listeria monocytogenes*
4. Standardized molecular detection of *Orientia tsutsugamushi*, the etiological agent of scrub typhus disease by using 56 kD outer membrane protein as diagnostic purpose.