RESUME

Name : Dr. Vineeta Singh

Designation : Scientist 'E'

Career Interests: To achieve more insight about the malaria parasite infectivity and pathogenesis which seems to be changing rapidly. Understanding the parasite biology and pathogenicity of *Plasmodium falciparum* and *P. vivax* are the major research areas of my laboratory.

Educational Qualifications : Ph.D.- Biotechnology, BITS, Pilani, India

Publications:

1. Kumar, A., Gahlawat S.K and **Singh V.** Comparative analysis of Plasmodium falciparum dihydrofolate-reductase gene sequences from different regions of India. Heliyon 6(4). April **2020.** https://doi.org/10.1016/j.heliyon.2020.e03715
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3. Kumar, A., Singh, S.P., Bhatt, R. **Singh V**. Genetic profiling of the *Plasmodium falciparum* parasite population in uncomplicated malaria from India. *Malar J* **18,** 385 (**2019**) doi:10.1186/s12936-019-3022-5.
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5. **Vineeta Singh**, Loick Pradel Kojom. Deletions in the *Plasmodium falciparum* histidine-rich protein 2 gene: An emerging threat to the elimination of malaria in India. *J Vect Borne Dis*, **2019**, 56 (1): 85-86.
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8. Kumar V, Kaur J, Singh AP, **Singh V**, Bisht A, Panda JJ, Mishra PC, Hora R. PHISTc protein family members localize to different subcellular organelles and bind Plasmodium falciparum major virulence factor PfEMP-1. *The FEBS journal.* **2018** Jan 1;285(2):294-312.
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10. Parvin Kumar, Kulbir Kadyan, Meenakshi Duhan, Jayant Sindhu , **Vineeta Singh** and Baljeet Singh Saharan. Design, synthesis, conformational and molecular docking study of some novel acyl hydrazone based molecular hybrids as antimalarial and antimicrobial agents. *Chemistry Central Journal* **2017,** 11:115.
11. Baruah UK, Gowthamarajan K, Ravisankar V, Karri VVSR, Simhadri PK, **Singh V**, Babu PP. Design, characterization and antimalarial efficacy of PEGylated galactosylated nano lipid carriers of primaquine phosphate. *Artif Cells Nanomed Biotechnol.* **2017** Oct 31:1-21. doi: 10.1080/21691401.2017.1394870.
12. Baruah UK, Gowthamarajan K, Ravisankar V, Karri VVSR, Simhadri PK, Singh V.Optimisation of chloroquine phosphate loaded nanostructured lipid carriers using Box-Behnken design and its antimalarial efficacy. *J Drug Target.* **2017** Oct 23:1-16. doi: 10.1080/1061186X.2017.1390671.