

## Inderjeet Kaur (MSc, PhD)

Assistant Professor  
Department of Biotechnology  
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**Research Interests:** Post-translational modifications, proteomics and mass-spectrometry, infectious diseases, Malaria biology and Drug discovery

### Career:

**2020-Present:** Assistant Professor, Department of Biotechnology, CUH

**2017-2020:** DBT- **Innovative Young Biotechnologist Awardee** and **DBT-BioCARE** fellow at ICGEB, New Delhi

**2012-2017:** Scientist C at ICGEB, New Delhi

### Education:

2012: PhD from University of Delhi

2004: MSc from Kurukshetra University, Kurukshetra

### Selected Publications:

1. Calcium-dependent phosphorylation of Plasmodium falciparum serine repeat antigen 5 triggers merozoite egress. Iyer GR, Singh S, Kaur I\*, Agarwal S, Siddiqui MA, Bansal A, Kumar G, Saini E, Paul G, Mohammed A, Chitnis CE, Malhotra P. **J Biol Chem.** 2018; 293(25):9736-9746. doi: 10.1074/jbc.RA117.001540. PMID: 29716996
2. Proteomic Identification and Analysis of Arginine-Methylated Proteins of Plasmodium falciparum at Asexual Blood Stages. Zeeshan M, Kaur I\*, Joy J, Saini E, Paul G, Kaushik A, Dabral S, Mohammed A, Gupta D, Malhotra P. **J Proteome Res.** 2017; 16(2):368-383. doi: 10.1021/acs.jproteome.5b01052. PMID: 27933903
3. Widespread occurrence of lysine methylation in Plasmodium falciparum proteins at asexual blood stages. Kaur I, Zeeshan M, Saini E, Kaushik A, Mohammed A, Gupta D, Malhotra P. **Sci Rep.** 2016; 6:35432. doi: 10.1038/srep35432. PMID: 27762281
4. Immunoproteomic identification of biotransformed self-proteins from the livers of female Balb/c mice following chronic ethanol administration. **Kaur I, Katyal A. Proteomics.** 2012; 12(12):2036-44. doi: 10.1002/pmic.201100105. PMID: 22623081
5. Human Cyclophilin B forms part of a multi-protein complex during erythrocyte invasion by Plasmodium falciparum. Prakash P, Zeeshan M, Saini E, Muneer A, Khurana S, Kumar Chourasia B, Deshmukh A, **Kaur I**, Dabral S, Singh N, Anam Z, Chaurasiya A, Kaushik S, Dahiya P, Kalamuddin M, Kumar Thakur J, Mohammed A, Ranganathan A, Malhotra P. **Nat Commun.** 2017; 8(1):1548. doi: 10.1038/s41467-017-01638-6. PMID: 29146974 <sup>[1]</sup><sub>[SEP]</sub>