A signed statement by the applicant that the research work under reference has not been given any fellowship. The applicant should also indicate the extent of the contribution of others associated with the research and he/she should clearly acknowledge his/her achievements. (Max. 500 KB).

The research work under reference has not been given any fellowship.

The contribution of others:-

1. **Int J Biol Macromol** [IF 8.2] 14:2024:274. A novel strategy to elicit enduring anti-morphine immunity and relief from addiction by targetting Acr1 protein nano vaccine through TLR-2 to dendritic cells. Nanda S, Zafar MA, Lamba T, Malik JA, Khan MA, Bhardwaj P, Bisht B, Ghadi R, Kaur G, Bhalla V, Sehrawat S, Owais M, Jain S, **Agrewala JN***.

   The work is from the PhD thesis of my students Nanda S. Nanda S, Zafar MA, Lamba T, Malik JA, Khan MA, Bhardwaj P, Bisht B, Ghadi R, Kaur G are students and performed experiments. Bhalla V, Owais M, and Jain S helped prepare the nanoparticles. Sehrawat S provided animals for the experiments.

2. **Aging Cell** 22:2023:13838 [IF: 11]. Age-mediated gut microbiota dysbiosis promotes loss of tolerogenic potential in dendritic cells. Bashir H, Singh S, Singh RP, **Agrewala JN***, Kumar R*.

   Bashir H, Singh S, Singh RP are students and performed experiments.

   The work is from the PhD thesis of my students Bashir H. Bashir H, Singh S, and Singh RP, who are students and performed experiments. Kumar R kindly allowed my student Bashir S to work for one year in her lab and extended lab facilities when I moved from CSIR-IMTECH and joined IIT Ropar.

3. **J Biol Chem**. 2022 Oct 15:102596. [IF: 5.49]. *Mycobacterium tuberculosis* epitope entrapped in nanoparticles expressing TLR-2 ligand targeted to dendritic cells elicit protective immunity. Das DK, Zafar MA, Nanda S, Singh S, Lamba T, Bashir H, Singh P, Maurya SK, Nadeem S, Sehrawat S, Bhalla V*, **Agrewala JN***.

The work is from the PhD thesis of my student Das DK. Das DK, Zafar MA, Nanda S, Singh S, Lamba T, Bashir H, Singh P, Maurya SK, Nadeem S are students. Sehrawat S provided animals. Bhalla V helped in preparing nanoparticles.

4. **Cell Mol Life Sci.** 79:2022:567 [IF: 9.2]. *Mycobacterium tuberculosis* exploits MPT64 to generate myeloid-derived suppressor cells to evade the immune system. Singh S, Maurya SK, Aqdas M, Bashir H, Arora A, Bhalla V, **Agrewala JN***.

   The work is of PhD thesis of my student Singh S. Singh S, Maurya SK, Aqdas M, Bashir H are students. Arora A provided ESAT-6 and CFP-10 proteins of *Mtb* and Bhalla V helped prepare nanoparticles.

5. **Autophagy** 16:2020:1021 [IF: 16.01]. Induction of autophagy through Clec4e in combination with TLR-4: an innovative strategy to restrict the survival of *Mycobacterium tuberculosis*. Pahari S, Negi S, Aqdas M, Arnett E, Schlesinger LS, **Agrewala JN***.

   The work is of PhD thesis of my students Pahari S. Negi S and Aqdas M are students. Schlesinger LS provided MyD88 KO mice, which were developed by his student Arnett E.

6. **J Proteome Res**. [IF: 5.4]. 19:2020:4655. Deciphering the structural enigma of HLA class-II binding peptides for enhanced immunoinformatics-based prediction of vaccine epitopes. Chatterjee D, Priyadarshini P, Das DK, Mushtaq K, Singh B, **Agrewala JN**.

   Chatterjee D, Priyadarshini P, Das DK, Mushtaq K are students. Singh B helped by providing valuable suggestions for solving bioinformatics-related problems.

7. **Eur J Immunol.** 16:2020:10 [IF: 6.8]. Intestinal microbiota disruption limits the isoniazid-mediated clearance of *Mycobacterium tuberculosis* in mice. Negi S, Pahari S, Bashir H, **Agrewala JN***.

   The work is part of Negi S PhD thesis and Pahari S, Bashir H are students.

8. **J Infect Dis**. 211:2015: 486-96 [IF: 8.8]. Triggering through TLR-2 limits chronically stimulated Th1 cells from undergoing exhaustion. Chodisetti SB, Gowthaman U, Rai PK, Vidyarthi A, Khan N, **Agrewala JN***.

   The wotk is a part of PhD thesis of Chodisetti SB. Gowthaman U, Rai PK, Vidyarthi A, Khan N are students.

9. **J Biol Chem.** 289:2014:17515-28 [IF: 5.5]. Caerulomycin A enhances the TGF-β-Smad3 signalling by suppressing IFN-γ-STAT1 signalling to expand Tregs. Gurram RK, Kujur W, Maurya SK, **Agrewala JN***.

   This is the work of PhD thesis of Gurram RK and Kujur W, Maurya SK are students.

10. **J Infect Dis.** 209:2014:1436-45 [IF: 7.8]. Latency Associated Protein Acr1 Impairs Dendritic Cells Maturation and Functionality: A Possible Mechanism of Immune Evasion by *Mycobacterium tuberculosis.* Siddiqui KF, Amir M, Gurram RK, Khan N, Arora A, K Rajagopal, **Agrewala JN***.

    This is the work of PhD thesis of Siddiqui KF. Amir M, Gurram RK, Khan N are students. Arora A supplied ESAT-6 and CFP-10 proteins of *Mtb*, and K Rajagopal helped in cloning the Acr1 protein.

[Prof. JN AGREWALA]