

Short CV

Name: Dr. Suprabhat Mukherjee

Designation: Assistant Professor (Biochemistry & Molecular Biology)

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- **Qualifications:**

B.Sc (Hons.) Biochemistry (2007), University of Burdwan

M.Sc Biochemistry (2009), University of Burdwan

Ph.D. in Zoology (2017), Visva-Bharati.

- **Experience:**

Postdoctoral: Total: 1 year and 11 months

EMBO visiting fellow at INSERM, Paris, France (2017)

Dr. D.S. Kothari at North-Eastern Hill University, Shillong, Meghalaya (2018)

Teaching experience: 6 months (Biochemistry and Immunology for the special classes for the undergraduate and postgraduate students at Department of Zoology, Visva-Bharati (A Central University), Santiniketan-731 235).

Area of Interest: Biochemistry and immunobiology of infectious and inflammatory diseases.

- **Research:**

Doctoral study: *Role of Toll- like receptor 4 mediated signaling pathway in inducing immune response in bancroftian filariasis*

Postdoctoral study:

1. *Regulation of human dendritic cells and T cell responses by filarial surface antigens (INSERM, France)*

2. *Screening and molecular investigation on the immunopharmacological properties of novel phytocompounds and their derivatives for treating infectious and inflammatory diseases (Visva-Bharati)*

3. *Exploring the mechanistic insights of amelioration of colitis associated inflammatory pathologies by a gut associated cestode, Hymenolepis diminuta (North-Eastern Hill University)*

Publication highlights: 33 papers; 2 book chapters; 24 database submission; Citation:307; h-index:10; i10-index:10

• **Fellowships/Awards:**

- Recipient of International Travel Grant Award for Non-ICMR Scientists (2018) from Indian Council of Medical Research (ICMR), Ministry of Health & Family Welfare, Govt. of India to attend 14th International Congress of Parasitology (2018), EXCO, Daegu, South Korea.
- Awarded with International Travel Support (2018) by Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Govt. of India.
- Recipient of UGC-Dr. D.S. Kothari Postdoctoral Fellowship from University Grants Commission (UGC), Govt. of India (2017-2018).
- Recipient of the Award of European Molecular Biology Organization (EMBO) visiting Fellowship-2017 to pursue research at Institut National de la Santé et de la Recherche Médicale (INSERM), (French National Institute of Health and Medical Research), Paris, France.
- Recipient of the “ZyduS Lipalyn” Award for Best Poster Presentation in the 5th International Conference on Molecular Signaling: Basics to Applications (2015) at AU-KBC Research Centre, Anna University, Chennai, Tamil Nadu, India.
- Recipient of Young Scientist Award for Best Oral Presentation in the Young Scientist Award Session of International Conference on Molecular Signaling (2015) at North-Eastern Hill University, Shillong, Meghalaya, India.
- Recipient of UGC-BSR Senior Research Fellowship for Meritorious Students (2014) awarded by University Grants Commission (UGC), Govt. of India.
- Recipient of International Travel Grant for Non-ICMR Scientists (2014) awarded by Indian Council of Medical Research (ICMR), Govt. of India to attend 6th ASEAN Congress of Tropical Medicine Parasitology (ACTMP), Kuala Lumpur, Malaysia.
- Qualified and Ranked 6th in State Eligibility Test (SET) North-East region -2014 in Life Sciences conducted by State Level Eligibility Test Commission, N-E Region, India.
- Qualified in State Eligibility Test (SET)-2013 in Life Sciences conducted by West Bengal College Service Commission, Govt. of West Bengal, India.
- Recipient of UGC-BSR Junior Research Fellowship for Meritorious Students (2012) awarded by University Grants Commission (UGC), Govt. of India.
- Ranked 2nd position in M.Sc. Biochemistry (2009), University of Burdwan.
- Ranked 1st position in B.Sc. Biochemistry (Hons) (2007), University of Burdwan.

• **Selected Publications:** (Recent five)

Mukherjee, S., Joardar, N., Sinha Babu, S.P. (2018). Exploring the homolog of a novel proinflammatory microfilarial sheath protein (MfP) of *Wuchereria bancrofti* in adult stage bovine filarial parasite *Setaria cervi*. *Journal of Helminthology* (doi.org/10.1017/S0022149X18001050).

Mukherjee, S., Joardar, N., Sengupta, S., Sinha Babu, S.P. (2018). Gut microbes as future therapeutics in treating inflammatory and infectious diseases: lessons from recent findings. *The Journal of Nutritional Biochemistry*. 61:111-128.

Mukherjee, S., Joardar, N., Mondal, S., Schiefer, A., Hoerauf, A., Pfarr, K., Sinha Babu, S.P. (2018). Quinolone-fused cyclic sulfonamide as a novel benign antifilarial agent. *Nature Scientific Reports*. 8:12073. DOI: 10.1038/s41598-018-30610-7

Mukherjee, S., Mukherjee, Sa., Maiti, T.K., Bhattacharya, S., & Sinha Babu, S.P. (2017). A novel ligand of toll-like receptor 4 from the sheath of *Wuchereria bancrofti* microfilaria induces proinflammatory response in macrophages. *Journal of Infectious Diseases*. 215: 954-965.

Mukherjee, S., Mukherjee, Sa., Bhattacharya, S., & Sinha Babu, S.P. (2017). Surface proteins of *Setaria cervi* induce inflammation in macrophage through Toll- like Receptor 4 (TLR4)- mediated signaling pathway. *Parasite Immunology*. 39:e12389 DOI:10.1111/pim.12389

Google scholar ID: <https://scholar.google.co.in/citations?user=e28tNpoAAAAJ&hl=en>

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