NAME: DR SUDIPTA BHOWMICK

DESIGNATION: ASSISTANT PROFESSOR IN ZOOLOGY

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AREA OF INTEREST

Parasitology & Immunology, Genetics & Molecular Biology

EXPERIENCE in TEACHING

12 Years

EDUCATIONAL QUALIFICATIONS

- Ph.D. from Jadavpur University, 2008. Topic Vaccine efficacy of different components of *Leishmania* membrane antigens against experimental visceral leishmaniasis.
- M.Sc from University of Calcutta in Zoology, 2000 with 1st class.
- B.Sc from University of Calcutta in Zoology, 2000 with 1st class.

AWARDS

- Qualified NET JRF Fellowship in 2001
- Qualified SLET in 2001
- Qualified GATE in 2001
- Acts as a Reviewer for the international journal "Frontiers of Cellular and Infection Microbiology"
- Acts as a paper setter for Panskura Banamali College

PUBLICATIONS

1. Investigation of the antigenicity and protective efficacy of *Leishmania* promastigote membrane antigens in search of potential diagnostic and vaccine candidates against visceral leishmaniasis. Sarfaraz Ahmad Ejazi, Smriti Ghosh, Anirban Bhattacharyya, Mohd Kamran, Sonali Das, **Sudipta Bhowmick**, Mehebubar Rahaman, Rama Prosad Goswami, Nahid Ali. Parasit Vectors. 2020; 13: 272.
2. Liposomal Elongation Factor-1α Triggers Effector CD4 and CD8 T Cells for Induction of Long-Lasting Protective Immunity against Visceral Leishmaniasis. Abdus Sabur ‡, **Sudipta Bhowmick** ‡, Rudra Chhajer, Sarfaraz Ahmad Ejazi, Nicky Didwania, Mohammad Asad, Anirban Bhattacharyya, Utsa Sinha, Nahid Ali. Front Immunol. 2018; 9: 18.
‡ Equal contributor

3. IL-4 contributes to failure, colludes with Il-10 exacerbate *Leishmania donovani* infection following administration of a subcutaneous leishmanial antigen vaccine. **Sudipta Bhowmick**, Rajesh Ravindran, Nahid Ali. BMC Microbiol. 2014; 14: 8.
4. Comparison of BCG, MPL and cationic liposome adjuvant systems in leishmanial antigen vaccine formulations against murine visceral leishmaniasis. Rajesh Ravindran, **Sudipta Bhowmick**, Amrita Das, Nahid Ali. BMC Microbiol. 2010; 10: 181.
5. Identification of Novel *Leishmania donovani* Antigens that Help Define Correlates of Vaccine-Mediated Protection in Visceral Leishmaniasis. **Sudipta Bhowmick**, Nahid Ali. PLoS One. 2009; 4(6): e5820.
6. Vaccination Route That Induces Transforming Growth Factor β Production Fails To Elicit Protective Immunity against *Leishmania donovani* Infection. **Sudipta Bhowmick**, Tuhina Mazumdar, Nahid Ali. Infect Immun. 2009 Apr; 77(4): 1514–1523.
7. Recent developments in leishmaniasis vaccine delivery systems. **Sudipta Bhowmick**, Nahid Ali. Expert Opin Drug Deliv. 2008 Jul;5(7):789-803.
8. Leishmanial antigens in liposomes promote protective immunity and provide immunotherapy against visceral leishmaniasis via polarized Th1 response. **Sudipta Bhowmick** , Rajesh Ravindran, Nahid Ali. Vaccine. 2007 Aug 29;25(35):6544-56.

OP/RC Attended

1. UGC Sponsored Interdisciplinary Refresher Course in Life Sciences organized by HRDC, University of Calcutta. 4th to 17th January, 2020.
2. UGC Sponsored Short Term Course in Bioinformatics Organized by HRDC, University of Kolkata. 25th January to 31st January, 2017.
3. UGC Sponsored Interdisciplinary Refresher Course in Life Sciences organized by HRDC, University of Calcutta. 27th March 2015-20th April 2015.
4. Faculty Development Programme Conducted by Enterprise Development Institute, Kolkata. 12th January to 23rd January, 2015.
5. UGC Sponsored Interdisciplinary Orientation Course organized by HRDC, University of Calcutta. 28th January to 26th February, 2014.