Brief Profile

Name	Dr. Jyoti Das
Current Designation	Scientist F
Research Discipline	Immunology, Parasitology
Department / Division	Immunology Division
Date of joining the current post	September 1, 2019
Date of joining ICMR	March 2, 2010
Official E-mail ID	jyoti.das.nimr@gov.in, drjyoti203@gmail.com
Educational Qualification	Ph. D
Research experience (in years):	25 years

Research Interest/Thrust Areas

Immunology, Parasitology, Inflammation, Host-Parasite Biology

Number of projects handled as:

Principal Investigator - 6

Co-Principal Investigator -

Co-investigator-

Number of doctorate / post-doc students mentored

As Guide - 3

As Co-guide -

List of significant publications (Please give the details of the publications in APA format)

1. Shi, Y., Liu, C. H., Roberts, A. I., Das, J., Xu, G., Ren, G., ... & Devadas, S. (2006). Granulocyte-macrophage colony-stimulating factor (GM-CSF) and T-cell responses: what we do and don't know. *Cell research*, *16*(2), 126-133.
2. Das, J., Chen, C. H., Yang, L., Cohn, L., Ray, P., & Ray, A. (2001). A critical role for NF-κB in GATA3 expression and TH2 differentiation in allergic airway inflammation. *Nature immunology*, *2*(1), 45-50.
3. Das, J., Ren, G., Zhang, L., Roberts, A. I., Zhao, X., Bothwell, A. L., ... & Das, G. (2009). Transforming growth factor β is dispensable for the molecular orchestration of Th17 cell differentiation. *Journal of Experimental Medicine*, *206*(11), 2407-2416.

4. Das, G., Augustine, M. M., Das, J., Bottomly, K., Ray, P., & Ray, A. (2003). An important regulatory role for CD4+ CD8αα T cells in the intestinal epithelial layer in the prevention of inflammatory bowel disease. *Proceedings of the National Academy of Sciences*, *100*(9), 5324-5329.
5. Devadas, S., Das, J., Liu, C., Zhang, L., Roberts, A. I., Pan, Z., ... & Shi, Y. (2006). Granzyme B is critical for T cell receptor-induced cell death of type 2 helper T cells. *Immunity*, *25*(2), 237-247.
6. Herrick, C. A., Xu, L., Wisnewski, A. V., Das, J., Redlich, C. A., & Bottomly, K. (2002). A novel mouse model of diisocyanate-induced asthma showing allergic-type inflammation in the lung after inhaled antigen challenge. *Journal of allergy and clinical immunology*, *109*(5), 873-878.
7. Roberts, A. I., Devadas, S., Zhang, X., Zhang, L., Keegan, A., Greeneltch, K., ... & Shi, Y. (2003). The role of activation-induced cell death in the differentiation of T-helper-cell subsets. *Immunologic research*, *28*, 285-293.
8. Shi, D., Das, J., & Das, G. (2006). Inflammatory bowel disease requires the interplay between innate and adaptive immune signals. *Cell research*, *16*(1), 70-74.
9. Das, J., Eynott, P., Jupp, R., Bothwell, A., Van Kaer, L., Shi, Y., & Das, G. (2006). Natural killer T cells and CD8+ T cells are dispensable for T cell–dependent allergic airway inflammation. *Nature medicine*, *12*(12), 1345-1346.
10. Thakur, R. S., Tousif, S., Awasthi, V., Sanyal, A., Atul, P. K., Punia, P., & Das, J. (2013). Mesenchymal stem cells play an important role in host protective immune responses against malaria by modulating regulatory T cells. *European journal of immunology*, *43*(8), 2070-2077.
11. Herrick, C. A., Das, J., Xu, L., Wisnewski, A. V., Redlich, C. A., & Bottomly, K. (2003). Differential roles for CD4 and CD8 T cells after diisocyanate sensitization: genetic control of TH2-induced lung inflammation. *Journal of allergy and clinical immunology*, *111*(5), 1087-1094.
12. Uplekar, S., Rao, P. N., Ramanathapuram, L., Awasthi, V., Verma, K., Sutton, P., ... & Das, J. (2017). Characterizing antibody responses to Plasmodium vivax and Plasmodium falciparum antigens in India using genome-scale protein microarrays. *PLoS neglected tropical diseases*, *11*(1), e0005323.
13. Kataria, P., Surela, N., Chaudhary, A., & Das, J. (2022). MiRNA: biological regulator in host-parasite interaction during malaria infection. *International journal of environmental research and public health*, *19*(4), 2395.
14. Dwivedi, V. P., Tousif, S., Bhattacharya, D., Prasad, D. V. R., Van Kaer, L., Das, J., & Das, G. (2012). Transforming growth factor-β protein inversely regulates in vivo differentiation of interleukin-17 (IL-17)-producing CD4+ and CD8+ T cells. *Journal of Biological Chemistry*, *287*(5), 2943-2947.
15. Khan, M. M., Chatterjee, S., Dwivedi, V. P., Pandey, N. K., Singh, Y., Tousif, S., ... & Das, G. (2012). CD4+ T cell-derived novel peptide Thp5 induces interleukin-4 production in CD4+ T cells to direct T helper 2 cell differentiation. *Journal of Biological Chemistry*, *287*(4), 2830-2835.

Achievements/Awards/Additional Information

Young investigator carrier development grant: Department of Biotechnology.
DBT CREST (cutting edge research and scientific training) award 2010.
Young Investigator Award, Department of Biotechnology, Govt. of India, 2009.
Senior Research Fellowship, Council for Scientific and Industrial Research, 1997.
Junior Research Fellowship, Council for Scientific and Industrial research, 1995

Signature