Brief C.V. of Dr. Ramanamurthy Boppana

Dr. Ramanamurthy Boppana graduated from the College of Veterinary Science, Tirupati in 1987 and specialized in Veterinary Immunology at the Indian Veterinary Research Institute. He started his career in Laboratory Animal Science in the Year 1992 as a Scientist-B at the Institute of Microbial Technology, Chandigarh. During his stint there he initiated and established a comprehensive "Animal Care and Use Program there and put in place a scientifically sound breeding program for laboratory animals based on established principle of genetics and breeding. Later, in the year, 1998 he moved to the National Centre for Cell Science in Pune and is currently serving as Scientist-G and In charge of the Experimental Animal Facility. At NCCS he played an active part in the expansion of the facility both in terms of physical infrastructure as well as the inventory of the mice held and bred in the facility. He was successful in importing several inbred and genetically engineered mutant mice lines from The Jackson Laboratory, USA.. Under his supervision NCCS became one of the first animal facilities in the Govt. sector to procure IVCs for housing mice under barrier conditions. He has been involved in several collaborative research projects that resulted in high impact publications. He has served as a member of several committees (advisory/selection/IAECs etc.) and also involved in teaching and training activities.

Publications(last 5 years)

1. Proteome wide reduction in AGE modification in streptozotocin induced diabetic mice by hydralazine mediated transglycation. Kesavan SK, Bhat S, Golegaonkar SB, Jagadeeshaprasad MG, Deshmukh AB, Patil HS, Bhosale SD, Shaikh ML, Thulasiram HV, Boppana R, Kulkarni MJ. ***Sci Rep***. 2013 Oct 15;3:2941

2. Diosgenin from Dioscorea bulbifera: novel hit for treatment of type II diabetes mellitus with inhibitory activity against α-amylase and α-glucosidase.Ghosh S, More P, Derle A, Patil AB, Markad P, Asok A, Kumbhar N, Shaikh ML, Ramanamurthy B, Shinde VS, Dhavale DD, Chopade BA.***PLoS One***. 2014 Sep 12;9(9)

3. Nuclear matrix binding protein SMAR1 regulates T-cell differentiation and allergic airway disease. Chemmannur SV, Badhwar AJ, Mirlekar B, Malonia SK, Gupta M, Wadhwa N, Bopanna R, Mabalirajan U, Majumdar S, Ghosh B, Chattopadhyay S. **Mucosal Immunol**. 2015 Mar 4. doi: 10.1038/mi.2015.11

4. MAR binding protein SMAR1 favors IL-10 mediated regulatory T cell function in acute colitis. Mirlekar B, Patil S, Bopanna R, Chattopadhyay S.***Biochem Biophys Res Commun.*** 2015 Aug 21;464(2):647-53.

5. Antidiabetic and Antioxidant Properties of Copper Nanoparticles Synthesized by Medicinal Plant Dioscorea bulbifera Sougata Ghosh, Piyush More, Rahul Nitnavare, Soham Jagtap, Rohan Chippalkatti, Abhishek Derle, Rohini Kitture, Adersh Asok, Sangeeta Kale, Shailza Singh, Mahemud L Shaikh, Boppana Ramanamurthy, Jayesh Bellare and Balu A Chopade. ***J Nanomed Nanotechnol*** Sept. 2015 S6: 007.doi:10.4172/2157-7439.S6

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8. Proteomic Insight Reveals Elevated Levels of Albumin in Circulating Immune Complexes in Diabetic Plasma. Bhat S, Jagadeeshaprasad MG, Patil YR, Shaikh ML, Regin BS, Mohan V, Giri AP, Balasubramanyam M, Boppana R, Kulkarni MJ. ***Mol Cell Proteomics***. 2016 Jun;15(6):2011-20. doi: 10.1074/mcp.M116.058008. Epub 2016 Apr 7. PubMed PMID: 27056913; PubMed Central PMCID: PMC5083096

9. Biological Activity of Coumarin Derivatives as Anti-Leishmanial Agents. Mandlik V, Patil S, Bopanna R, Basu S, Singh S. ***PLoS One***. 2016 Oct 21;11(10):e0164585. doi: 10.1371/journal.pone.0164585. PubMed PMID: 27768694; PubMed Central PMCID: PMC5074534

10. Mediation of transitional B cell maturation in the absence of functional Bruton's tyrosine kinase. Tanwar S, Dhar A, Varanasi V, Mukherjee T, Boppana R, Basak S, Bal V, George A, Rath S. ***Sci Rep***. 2017 Apr 5;7:46029. doi: 10.1038/srep46029. PubMed PMID: 28378771; PubMed Central PMCID: PMC5380950.

11. Mol M, Kosey D, Boppana R, Singh S. Transcription Factor Target Gene Network governs the Logical Abstraction Analysis of the Synthetic Circuit in Leishmaniasis. ***Sci Rep.*** 2018 Feb 22;8(1):3464. doi: 10.1038/s41598-018-21840-w.PubMed PMID: 29472639; PubMed Central PMCID: PMC5823942.

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