Subhrajit Biswas
Professor

Specialization: Cancer Biology, DNA damage Checkpoint pathways, DNA replication, Immunology, Drug Discovery, miRNA Therapeutics &Liver cancer
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Dr. Subhrajit Biswas completed his PhD in Molecular Biology from Jawaharlal Nehru University in 2004 and was immediately appointed as Scientist Fellow at NIPGR, New Delhi. For post-doctorate, he moved to Medical University of South Carolina, USA in 2005 and workedon DNA damage, checkpoint and replication. In 2009,he moved to Vanderbilt University Medical Center, TN, USA and was awarded with prestigious LTMT grant from NCI, UK as Principal Investigator,to dissect therole of Bcl-2 family in hematopoietic stem cells. The research findings were presented in Cold Spring Harbor Laboratory and Gordon Research Conferences.Back to India, he joined Institute of Liver and Biliary Sciences (ILBS) as Assistant Professor.His research workunraveled the ambivalent role of pro-apoptotic BH3-only protein Bid in tumorigenesis with special reference to liver cancer. He also established miRNA based therapeutic approach for HCC. He has recently joined AIMMSCR where his research focuses on cross-talk between hepatocytes, stellate and endothelial cells and their immune modulation for resolution of fibrogenesis and hepatocellular carcinoma.

Current Research Project:

DBT funded Research Projecton "**The Study of SMAC Mimetic as a Potential Therapy in Regression of Fibrosis/ Cirrhosis in Chronic Liver Injury**" (Total Grant of Rs. 55 Lakhs for 3 years).

Selected Important Publications:

1. Sharma S, Thomas K, **Biswas S(2016)** Impact of inhibitor of apoptosis proteins on immune modulation and inflammation. **Immunology and Cell Biology** (Nature group) doi:10.1038/icb.2016.101. **(IF - 4.47)**
2. **Biswas S**,ShiQ, Wernick A, Aiello A, Zinkel S **(2013)** TheLossoftheBH3-onlyBcl-2familymemberBiddelaysTcellLeukemogenesisin*Atm*- deficientmice. **Cell Death and Differentiation** (Nature Group), 20:869-77.**(IF -8.38)**
3. **BiswasS**, Shi Q, Matisse L, Cleveland S, Dave U, Zinkel S **(2010)** A Role for Pro-apoptotic Bax and Bak in T- Cell Differentiation and Transformation. **Blood** 116: 5237-5246.**(IF - 11.84**)
4. **Biswas S** and Bastia D **(2008)** Mechanistic Insights into Replication Termination as Revealed by Investigations of the Reb1-*Ter3* Complex of *Schizosaccharomyces pombe***Mol. Cell. Biol.** 28: 6844-6857. **(IF -5.75)**
5. **Biswas S**, Van Dijck P and Datta A **(2007)** Environmental sensing and signal transduction pathways regulating morphopathogenic determinants of *Candida albicans*. **Microbiol. Mol. Biol. Rev.**71:348-376. **(IF -17.72)**