



**Sudeep Bose**  
Associate Professor

**Specialization: Cancer Biology, RNA biology, Transcription and post-transcriptional regulation, post-translational modifications, nanotechnology**  
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Dr. Sudeep Bose completed his PhD in Biochemistry from Banaras Hindu University (BHU) in 2000. After working briefly as a post-doctoral student at the Bose Institute under DBT sponsored Protein Engineering Project, he moved to Department of Biochemistry, Medical University of South Carolina, Charleston, USA as a post-doctoral fellow and was promoted to Research Staff Scientist in 2008. During his US stay, he worked on dysregulation of cell signaling in cancer and posttranscriptional regulation of anti-apoptotic genes, mRNA stability and epigenetic changes in Leukemia and Breast Cancer. He published his research in peer-reviewed reputed journals like Biochemical Journal, Journal of Immunology, Endocrinology, Neuroendocrinology and others. He moved back to India in 2012 and joined his current responsibility as an Associate Professor at Amity Institute of Biotechnology, Amity University. In 2015, he became an important member of AIMMSCR associated with research and teaching courses related to Cancer Biology, Biochemistry and Molecular Cell Biology. Recently he visited Chiba Institute of Technology, Japan as a visiting scientist in January 2018. His current research interests include detection of cancer biomarkers using Nano-structured platforms, dysregulation of these markers in cell signalling and understanding of fundamental regulatory mechanisms at transcriptional and posttranscriptional level in cancer disease. At present, he has 3 PhD students working under his guidance.

#### **Current Research Project:**

1. ICMR funded research project entitled “**Multiple early-stage breast cancer biomarker detection using quantum dots on a needle shaped nanostructured gold array**”.
2. ICMR funded research project entitled “**Role of Tumor Necrosis Factor Inducing Protein Tip-alpha in gastroduodenal diseases including gastric cancer**”.

#### **Selected Important Publications:**

1. **Sudeep Bose**, Tracy E. Tholanikunnel, Adrian Reuben, Baby G. Tholanikunnel, and Eleanor K. Spicer; **(2016)** Regulation of nucleolin expression by miR-194, miR-206, and HuR; **Mol Cell Biochem** 417:141–153 **(IF- 3.0)**
2. **Bose Sudeep\***, Ganguly Surajit, Kumar Sachin, and Boockfor FR; **(2016)** Pit-1 binding adjacent to an E-box in the PRL promoter is necessary for prolactin gene expression pulse activity **Neurochemical Research (IF- 3.2) \*Corresponding author**
3. DK Singh DK, **Sudeep Bose** and Sachin Kumar; **(2016)** Role of microRNA in Regulating Cell Signaling Pathways, Cell Cycle, and Apoptosis in Non-Small Cell Lung **Cancer Current Molecular Medicine** Volume 16 **(IF- 3.0)**
4. Singh Dharendra, **Bose Sudeep** and Kumar Sachin; **(2016)** Regulation of expression of microRNAs by DNA methylation in lung cancer **Biomarkers (IF - 2.9)**
5. **Sudeep K Bose**, and Fredric R. Boockfor; **(2010)** Episodes of Prolactin Gene Expression in GH3 Cells Are Dependent on Selective Promoter-Binding of Multiple Circadian Elements **Endocrinology**, 151(5):2287-96 **(IF – 4.49)**