



## Tanya Das

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Professor Tanya Das, Fellow of National Academy of Science, Fellow of West Bengal Academy of Science and Technology, received her Doctoral degree in Biochemistry from University of Calcutta, in 1988. Prof. Das then joined The Cleveland Clinic, USA, as Fellow Doctor to work on Cell Signaling. In 1996 she joined Bose Institute, India, where she is now working as a Senior Professor of Molecular Medicine. She is also a visiting professor of The Cleveland Clinic, USA.

Prof. Das has made significant contribution in establishing the mechanism of carcinogenesis and developing a targeted therapy of cancer. Major research areas of her research work are Cancer Stem Cell Biology and Tumor Immunology. Her laboratory aims at understanding the fundamental properties of cancer stem cells and unveiling the mechanisms underlying their role in tumor initiation, development, drug-resistance and immunosuppression, for developing targeted therapy of cancer. Research of Prof. Das, for the first time, demonstrated breast cancer as a ‘stem cell disease’. Her work is unique in establishing the “missing link” between ‘differentiation and de-differentiation’ that identified CSCs as the root-cause of tumor relapse, a major reason behind patient’s death. Her recent work also aims at killing/sensitizing chemo-resistant cancer stem cells by repurposing of FDA-approved drugs, e.g., Aspirin, or by immunotherapy.

Contributions of Prof. Das are highly recognized by various National and International Scientific Communities as is evident from her more than 130 publications in high impact International journals including Cancer Res., Oncogene, Immunity, J. Biol. Chem., Clin. Cancer Res., J. Immunology, Carcinogenesis, etc., receiving various National/International awards and fellowships, having granted number of patents, and being member of the Editorial and Reviewing Boards of various International Scientific Journals.