

Professor Suman Chakraborty

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To Whom it May Concern

Prof. Mahitosh Mandal is a distinguished researcher whose innovative work in cancer biology has considerably advanced our understanding and treatment of cancer. His interdisciplinary research has resulted in notable advancements in cancer therapeutics, drug delivery, and diagnostics.

Among the most impactful contributions of Prof. Mandal's laboratory is their groundbreaking discovery that Lumefantrine, an antimalarial drug, can reverse radiation and temozolomide resistance in glioblastoma, published in the **Proc Natl Acad Sci USA. 2020 Jun 2; 117(22)**, this finding offers a promising new approach for treating one of the most aggressive forms of brain cancer.

Their recent study titled "Riboflavin-Induced DNA Damage and Anticancer Activity in Breast Cancer Cells under Visible Light" (**JCIM, 2024**) reveals the potential of riboflavin, activated by visible light, to selectively induce DNA damage in cancer cells while sparing normal cells. Additionally, their research on "A Virtual Drug Discovery Screening Illuminates Campesterol as a Potent Estrogen Receptor Alpha Inhibitor in Breast Cancer" (**JMC, 2024**) identifies Campesterol as a novel potent antagonist of estrogen receptor alpha (ER α), offering a novel strategy for combating ER α -positive breast cancer.

Prof. Mandal's extensive body of work, with over 18,937 citations and an h-index of 78, along with numerous Fellowships and memberships (**FNA, FASc, FNASc, FAScT, FRSB, J C Bose National Fellow, Arvind & Renu Jain Chair Professor**, etc.) and editorial roles in renowned journals (**IJBM, CIBM, JBSD**, etc.) underscores his standing as a leader in the field.

I strongly recommend his candidature for the prestigious Sun Pharma Award 2024. I am confident he will achieve greater heights in his life.

Sincerely,

(Prof Suman Chakraborty)