

August 28th 2023

Subject: Nomination of **Dr Prabhat Ranjan Mishra** for SUN Pharma Research Award-2023 in Pharmaceutical Sciences.


Justification for Nomination

I am happy to nominate **Dr Prabhat Ranjan Mishra** Ph.D, FNASc, Chief Scientist & Head, Pharmaceuticals and Pharmacokinetics Division, who has made an innovative and translational contribution. **Dr Mishra** has attained a significant place in developing bio-functionalized nano-biomaterials for therapeutic & and diagnostic applications and elucidated the mechanistic aspect of its cellular translocation to achieve a higher therapeutic index with low toxicity of drugs. His focus signifies a major role in establishing specific delivery of drugs through innovative nano-therapeutics thereby bypassing the otherwise established biological barriers.

He has more than 130 peer-reviewed high-impact publications and has actively contributed to developing several technologies leading to 25 patents to his credit. He has a track record of successfully licensing FIVE products to industries while two are commercialized by the name of **Joint Fresh™** used for osteoarthritis (Standardized Nano-formulation) and **Reunion™** wherein he has potentially contributed to a significant reduction in therapeutic dose by developing a nano-formulation that led grant of US patent and subsequent commercialization. His work has been recognized by several national awards (TATA Innovation Fellowship by DBT, Govt. of India for outstanding contribution in translational research), and a fellowship of the science academy of the country (FNASc, NASI, Allahabad). He has also successfully completed Research projects funded by different agencies like DST, DBT, CSIR, ICMR to a tune of ~ 8 crores. He is coordinating GLP activities, as In-charge Quality Assurance Unit (QAU) enabling inspection of test facilities by NGCMA leading to accreditation of GLP facilities at CSIR-CDRI.

Dr Mishra is the recipient of several awards, among which is the prestigious **Tata Innovation Fellowship** (2018-19) by the Department of Biotechnology (DBT, Govt. of India) for outstanding contributions in the area of translational research. He is an elected fellow of the National Academy of Sciences (FNASc), Prayagraj. Recipient of **INSA-DFG Fellowship** (2008), Young Scientist by DST (2006), **Visiting Scientist** at Freie University of Berlin, Germany, and at Bradford University UK, **CDRI Excellence Research Award and Technology Award** 2019. In addition, he has been actively involved in developing Umifenovir and its formulation under repurposing for COVID patients whose **Phase III clinical trial** was approved by DCGI and the trial has been completed while data is submitted to DCGI for marketing approval.

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