सीएसआईआर-केन्द्रीय औषधि अनुसंधान संस्थान
CSIR-CENTRAL DRUG RESEARCH INSTITUTE

ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH
AcSIR

Amit Misra Chief Scientist, Division of Pharmaceutics and Pharmacokinetics Professor, Academy of Scientific and Innovative Research

As the nominator, I am pleased to acknowledge the outstanding research contributions of Dr. Reena Bharti. Dr. Bharti has demonstrated exceptional dedication and innovation in the field of pulmonary tuberculosis research, particularly in the development of novel therapeutic strategies.

Her pioneering work, as reflected in her publications, includes the development of a dry powder inhalation (DPI) formulation for transient gene therapy, targeting pulmonary tuberculosis. This formulation, which leverages DNA constructs to express gamma interferon in the lungs, has shown significant promise as a host-directed therapy. Dr. Bharti's research has established a solid preclinical proof of concept, demonstrating the potential for reducing bacterial burden and mitigating pathology in infected mice.

Dr. Bharti's scholarly output, as evidenced by her Google Scholar profile (https://scholar.google.com/citations?user=bVinMGAAAAAJ&hl=en&authuser=1) , showcases a robust and impactful body of work. Her publications have garnered attention in the scientific community, reflecting the relevance and importance of her contributions. Her work not only advances our understanding of tuberculosis treatment but also opens new avenues for research in gene therapy and respiratory medicine.

In summary, Dr. Reena Bharti is a highly skilled and innovative researcher whose work has made a significant impact on the field of tuberculosis research. It is with great pride that I nominate her for this recognition.

Signed,

Amit Misra