

Dr. G. C. Mishra, PhD
NASI-Platinum Jubilee Chair Distinguished Professor
Former Director National Centre for Cell Science
Ganeshkhind, Pune 411007

Sept. 28, 2021

To,

Sun Pharma Science Foundation
New Delhi – 11000

Subject: Nomination of Dr. Mohan Wani, Scientist-G, NCCS, Pune for the Sun Pharma Science Foundation Research Award under **Medical Science-Clinical Research** category for the year 2021.

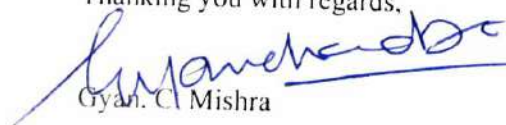
Dear Sir/Madam,

I am pleased to nominate Dr. Mohan Wani for The Sun Pharma Science Foundation Research Award under **Medical Science-Clinical Research** category for the year 2021. Dr. Wani has done post-graduation in Veterinary Surgery with First Rank in the University. He received PhD in Human Medicine from St. George's Hospital Medical School, London and was recipient of prestigious "Commonwealth Fellowship Award" of UK Government.

I am personally acquainted with scientific contributions of Dr. Wani. He has made outstanding research contributions in the field of "Pathophysiology of bone and cartilage remodeling in musculoskeletal and autoimmune diseases such as osteoporosis, osteoarthritis and rheumatoid arthritis". He revealed for the first time that IL-3, a cytokine secreted by T lymphocytes has two novel roles in regulation of pathophysiology of bone remodeling. IL-3 inhibits the increased osteoclast activity and protects pathological bone loss, and also enhances in vivo bone regenerating potential of human mesenchymal stem cells. He further showed that IL-3 ameliorates degeneration of articular cartilage and bone in osteoarthritic mice and also prevents degeneration of human cartilage. Interestingly, IL-3 has immunomodulatory properties and it inhibits the development of pathogenic Th17 cells and increases the number of regulatory T cells in human rheumatoid arthritis model. Dr. Wani's research work has featured in several reputed international journals, and highlighted twice by "Nature Reviews Rheumatology". His innovative multifaceted research programs has led to the potential clinical use IL-3 for the treatment of important skeletal and autoimmune diseases.

Dr. Mohan Wani has also supervised several PhD students, medical and veterinary postgraduate students and mentored many postdoctoral fellows. He has received many prestigious awards and honors such as Tata Innovation Fellowship, B. M. Birla Science Prize, DBT National Bioscience Award and he is a Fellow of Indian National Science Academy (INSA), The National Academy of Sciences (NASI) and National Academy of Medical Sciences (NAMS) and Member of Guha Research Conference. Looking at his novel scientific contributions and excellent mentoring abilities, I strongly recommend Dr. Mohan Wani for The Sun Pharma Science Foundation Research Awards in Medical Science-Clinical Research for the year 2021.

Thanking you with regards,



Gyan C. Mishra

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