

August 1, 2023

To,
The Selection Committee,
Sun Pharma Science Scholar Award,
Sun Pharma Science Foundation, New Delhi.

Subject: Certification of Research Work Jeevan Patra for Sun Pharma Science Scholar Award 2023

Dear Members of the Selection Committee,

I am writing to certify that the research work submitted by Mr Jeevan Patra for the Sun Pharma Science Scholar Award 2023 has been conducted by him under my supervision during his tenure as a PhD candidate pursuing at the University of Petroleum and Energy Studies (UPES), Dehradun.

He is pursuing his doctoral studies and completed his research work entitled "Structure-Based Lead Optimization of dual inhibitors of Falcipain for developing potent and Selective Antimalarials".

His research primarily focused on optimizing Falcipain inhibitors recently reported by our group to improve selectivity against human cathepsin proteases which have a high identity with parasite proteases. He also tried to optimize the ADMET properties, a reason for many leads not reaching the clinical phase in the last two decades. Using augmented chemoinformatic approaches, he optimized the leads and identified molecules with higher selectivity towards Falcipain-2/3 dual targets over cathepsins with better predicted ADMET properties which can be considered for further studies.

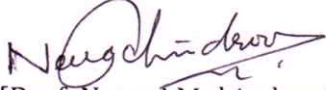
As a medicinal chemist and pharmaceutical scientist with over twenty-five years of experience, I have had the privilege of supervising many scholars, and I can confidently state that Mr Jeevan Patra stands out as an outstanding researcher with immense potential. Throughout his research journey, he demonstrated a strong commitment to the project and exhibited remarkable diligence, passion, and critical thinking abilities in his research work.

I have thoroughly reviewed the research document that Mr Patra has submitted for the Sun Pharma Science Scholar Award, and I can confirm that it represents the culmination of his efforts and the outcomes of his original research. I can personally vouch for the authenticity and originality of his work and its significance in the field of Pharmaceutical Sciences.

I strongly recommend Mr Jeevan Patra for the Sun Pharma Science Scholar Award, and I firmly believe that his work is deserving of this prestigious recognition. I am confident that his research contributions will continue to positively impact the research in this field.

Thank you for considering Mr Jeevan Patra for the Sun Pharma Science Scholar Award 2023.

Sincerely,



[Prof. Neeraj] Mahindroo]

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