



INDIAN INSTITUTE OF TECHNOLOGY KANPUR
भारतीय प्रौद्योगिकी संस्थान कानपुर
Department of Chemistry, Kanpur – 208016 Uttar Pradesh, India

July 28, 2024

To
Sun Pharma Science Foundation,

Dear Selection committee,
Sun Pharma Science Scholar Fellowship,

I would like to nominate Mrs. Sai Kumari Vechalapu for the Sun Pharma Science Scholar Fellowship. Sai is a PhD student in my research group since July-2020 at the Indian Institute of Technology Kanpur India (www.dachembiolab.weebly.com).

Sai has been actively involved in understanding the roles of metal ions in cancer cell survival and understanding their mechanism of action. She has completed a research project exploring the iron-complex inducing intracellular ROS and triggering intrinsic apoptosis pathway for preventing cancer cells growth (iScience, 2024). Her subsequent projects aim to study the metal complexes inducing lysophagy and protein aggregation for pronouncing their antiproliferative activity. Both these mechanisms are unique in this field, and we will be the first one to demonstrate.

Sai has demonstrated excellent skills designing and executing the complicated experiments to obtain high quality data. She was involved in every aspect of the research work which includes intellectual, experimental and writing contributions to complete her research papers. She has published five research papers until now, her one manuscript is under review and writing a few more manuscripts. She is extremely productive, diligent and systematic in conducting her research experiments.

Therefore, I strongly believe she is a potential contender to secure the Sun Pharma Science Scholar Fellowship and I wholeheartedly support Sai's application for serious consideration for this Sun Pharma Science Scholar Fellowship.

I would be happy to offer any further information regarding her qualifications for attending the conference.

Sincerely,

Dharmaraja Allimuthu, Assistant Professor of Chemistry

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