



डॉ. बी. आर. अम्बेडकर जैव-चिकित्सा अनुसंधान केन्द्र (ए.सी.बी.आर.)

Dr. B.R. Ambedkar Centre for Biomedical Research (ACBR)

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University of Delhi (North Campus), Delhi-110 007, INDIA



28th August, 2024

Nomination sponsorship (Supervisor)

This is to certify that **Ms. Divpreet Kaur** has been working under my guidance as a Ph.D. student at Dr. B.R Ambedkar Center for Biomedical Research, University of Delhi.

I am happy to nominate Divpreet Kaur for the Sun Pharma Science Foundation Science Scholar Fellowship. She has completed the research project titled **"Synergistic Discovery of Novel Telomerase Inhibitors: From Structure-Based Pharmacophore Screening to Machine Learning Validation"**, showcasing practical applications in Biomedical sciences.

Telomerase is a hallmark in 85-90% of cancer malignancies and its exclusive presence in cancer cells and absence in normal cells make it an attractive target. She has identified three novel lead compounds with the potential to inhibit telomerase, using a robust and comprehensive approach that integrates pharmacophore-based virtual screening with machine learning validation. The identified compounds hold promise for further modification and synthesis, paving the way for the development of new cancer therapeutics.

In addition to her outstanding research contributions, she has received several prestigious awards as a young scientist from notable organizations, including the American Association of Cancer Research (AACR), the European Association of Cancer Research (EACR), the European Molecular Biology (EMBO), and DrugBank Canada. These accolades highlight her expertise and excellence in the field of cancer research.

Her dedication, innovation, and meticulous approach have resulted in findings that have substantial real-world potential, significantly streamlining the drug development process by reducing both cost and time.

The work aligns harmoniously with Sun Pharma Science Foundation's goals due to her involvement in the field of drug development, making her an exceptional candidate for this fellowship. I enthusiastically endorse her nomination and remain reachable at dsaluja@acbr.du.ac.in to address any queries.

Sr. Prof. Daman Saluja

Dr B.R Ambedkar Center for Biomedical Research (ACBR)

Former Chairperson, Research Council, University of Delhi

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