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23 August 2023

**To  
Committee for Sun Pharma Science Foundation  
Research Awards and Scholar Awards**

Dear Committee members

I hereby certify that the research work provided by the applicant, **Ms Shailya Verma**, has actually been carried out in my laboratory in NCBS.

**Ms. Shailya Verma** has analysed the evolutionary drifts two downstream adaptor proteins of Toll-like receptors, TRAM and TRIF. This was performed using computational searches within various genomes of species representing the tree of life. Next, she had chosen the adaptor domain TRAM for the design of inhibitors, since it is implicated in autoimmune diseases such as sepsis. She has tested their efficacy using structural and cell-based assays.

Each of these works have been published in International Journals, where she is either the first or only other author. She has also participated in another project where we provide structural rationale for disease-causing mutations of a lipid phosphatase.

Please feel free to write to me if you have any queries.

With best regards

Sincerely Yours

*R. Sowdhamini*

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