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NIRRCH
NATIONAL INSTITUTE FOR RESEARCH
IN REPRODUCTIVE HEALTH



आई सी एम आर - राष्ट्रीय प्रजनन एवं
बाल स्वास्थ्य अनुसंधान संस्थान
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण मंत्रालय, भारत सरकार

ICMR - National Institute for Research in
Reproductive and Child Health

Department of Health Research, Ministry of Health
and Family Welfare, Government of India

30/08/2024

TO WHOSOEVER IT MAY CONCERN,

I hereby certify that the Ms. Rushigandha Salunke is pursuing her PhD under my guidance in ICMR- National Institute of Research in Reproductive and Child Health, Mumbai. The research work sent by her for nomination of "Sun Pharma Science Foundation Science Scholar Fellowships-2024" under biomedical sciences category is done by her under my supervision and is part of her PhD research.

Ms. Rushigandha has been working under me since December 2022. She is working on understanding the role of TLR and associated signalling pathways in triple negative breast cancer (TNBC). In her study she is evaluating the cell type specific expression pattern of TLRs in early stage and late stage of human TNBC tumour samples. This cell type specific expression pattern will then be compared with murine TNBC tumour samples obtained from a mammary intraductal TNBC mouse model. For the TLR found to be distinctly expressed in human and mouse tumours, an agonist or antagonist will be given in mouse model to understand its cell type specific effect on TNBC tumours. Her research work would help delineate if the TLR agonist or antagonist can be used for cell type specific targeted therapy for the treatment of TNBC patients.

I have found Ms. Rushigandha to be a hardworking and diligent student. She is very meticulous and keen while planning and perform her performing laboratory work and maintaining their records. While working in the lab in the past year, she has published a review article and has been a part of studies submitted for publication as a research article. Thus, I consider her a good candidate for your prestigious award.

Nupur Mukherjee

30-08-2024

Dr. Nupur Mukherjee
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