

**1. Proposal Title: Unveiling the effect of analgesic combinations on pain scores and pain biomarkers in Breast cancer Surgery patients**

**2. Specific Priority Area of your proposal: (Cachexia/Pain/Anemia): Pain (Integrative Medicine Approach for Multimodal Management of Chronic Cancer Pain – exploration of biological factors and markers associated with integrative therapies that contribute to pain management and strategies for how these integrative therapies, whether individually or in combination, can provide relief for individuals with chronic cancer pain/ OR**

*Chemotherapy Induced/ Therapy induced Pain in Cancer\_ addressing key areas of chemotherapy induced peripheral neuropathy (CIPN), postoperative pain and targeted used of radiation for palliation of pain.*

**3. Name of the Project Coordinator, Affiliation and contact details:** Dr Gourav Kumar, Associate Professor, Himalayan School of BioSciences, Swami Rama Himalayan University, Dehradun. Email: [gouravkmrsinha@gmail.com](mailto:gouravkmrsinha@gmail.com); [gouravkumar@srhu.edu.in](mailto:gouravkumar@srhu.edu.in); +918957878274; +918521402181.

**4. Details of institutions and investigators involved in project:**

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**5. Scientific Rational /hypothesis:**

**5. Hypothesis:** Is it feasible to address pain management through combination of novel pain management drug in cancer patients?

**6. Rationale of Study:** Breast cancer is most prevalent malignancies in women and surgical intervention is most used method of treatment. Despite advancements in surgical techniques, postoperative pain management remains a significant challenge. A considerable proportion of patients experience severe acute postoperative pain. Different method for pain management include combination of NSAIDs, Opioid based medication, the erector spinae plane block



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**Unveiling the effect of analgesic combinations on pain scores and pain biomarkers in Breast cancer Surgery patients**

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12/03/2025

Dr Smita Chandra: Co-PI

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12/13/25

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