



IAEC Research Project Amendment Form

1. IAEC Research Project Number: CAF/Ethics/977/2023
2. IAEC Research Project Title: Photoacoustic imaging agents for noninvasive assessment of Epidermal Growth Factor Receptor (EGFR) as a prognostic biomarker in pancreatic cancer
3. Reason For Change (tick (✓) the appropriate one):

- ☒ Revision/Change in Procedure ☐ Extension of Validity ☐ Change in PI's Name
☐ Addition of Species/Strain ☒ Addition of Personnel ☐ Others (please specify)

4. Approved Animal Details:

Species & Strain	No of animals approved	No. of animals utilized	No. of animals balance
1- Nude mice	120	0	120

5. Amendment Details: (With reference to the approved form B)

Sr. No.	Research Project Section No.	Details as per project	Amendment details
1	Section-I Point 5:	Place where the experiments are to be performed: Central Animal Facility, Indian Institute of Science, Bengaluru – 560012 Reg. No: 48/GO/ReRcBiBt-S/Re-L/99/CPCSEA	Addition of BSSE Annex. Facility. Since the terminal Photoacoustic imaging, specifically utilizing Multispectral Optoacoustic Tomography (MSOT), will be conducted in the BSSE Annex building. IISc
2	Section-II Point 3:	Individuals Authorized to conduct the procedures: Dr. Sanhita Sinharay	Addition of study personnel: Ananya Sharma PhD Student Experience: 2 months
3	Section-II Point 7d:	Control cell line mentioned in FORM B: MIN6	We wish to change the control cell line mentioned in Form B from MIN6 to: Control cell line: 266-6
4	Section-II Point 9a:	Photoacoustic imaging in mice has been mentioned.	Updation in Procedure: Photoacoustic imaging, specifically utilizing Multispectral Optoacoustic Tomography (MSOT), will be conducted in the BSSE Annex building under the guidance of

Sanhita Sinharay

			Dr. Sanhita Sinharay. All therapeutic procedures will take place in CAF. However, the terminal photoacoustic imaging studies with the developed contrast agents on nude mice will be performed at BSSE Annex. Post-imaging animals will be humanely euthanized by CO ₂ asphyxiation and organs of interest will be collected for further analysis/processes.
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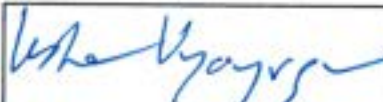

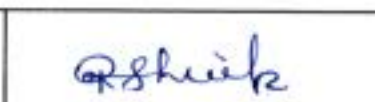
6. Justification for Amendment:

This study deals with therapy and Photoacoustic Imaging of the synthesized agents at specific time points. Since there is no facility for photoacoustic Imaging in CAF, the animals have to be transported to BSSE Annex by following all the guidelines of the nude mice transportation. During the course of study mice will be housed in CAF and transported to BSSE Annex Facility only for terminal imaging. Post imaging mice will be humanely euthanized same day.


 Sanhita Sinharay
 01.12.2023
 Principal Investigator
 (Sign & Date)

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Date of Approval: 16th December 2023

		
Prof. Usha Vijayaraghavan Chairman, IAEC	Prof. Sathees Raghavan Member Secretary, IAEC	Dr. Rashmi Rajashekaraiah Main Nominee, CCSEA