



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA  
JODHPUR ROMANA, MANDI DABWALI ROAD, BATHINDA,  
PUNJAB - 151001

ਅਖਿਲਭਾਰਤੀਆਯੁਰਵਿਗਿਆਨਸੰਸਥਾਨ, ਬਠਿੰਡਾ  
ਅਖਿਲਭਾਰਤੀਆਯੁਰਵਿਗਿਆਨਸੰਸਥਾਨ, ਬਠਿੰਡਾ  
RESEARCH ADVISORY COMMITTEE



Ref. No. AB/RAC/2026/05/04

Date- 14.05.2026

## MINUTES OF MEETING- 27.04.2026

### Research Advisory Committee

#### 1. CALL TO ORDER

Prof. (Dr) Lajya Devi Goyal (Dean Research) called to order the meeting for discussion at 03:30 PM on 27.04.2026.

• The following members were present in the meeting: -

Prof. Dr. Lajya Devi Goyal, Prof. (Dr) Anuradha Raj, Dr. M. Altaf Mir, Dr. Sivanantham Krishnamoorthi, Dr. Shailendra Rana.

The following members did not attend the meeting:

Prof. Dr. Rakesh Kakkar, Prof. Dr. Gurvinder Pal Singh, Prof. Dr. Ajay Kumar.

#### 2. AGENDA

Following research projects were discussed by RAC and sent the subsequent comments:

S. No.	PI	Title of the Project	Comments
1.	Bhawna Sharma (Microbiology)	Genomics of colistin resistant Enterobacter cloacae complex causing sepsis: A multicentric observational study.	<ul style="list-style-type: none"><li>• Fund for Genomic analysis.</li><li>• If fund available from coordinating center, IEC of coordinating center to be attached.</li></ul>

S. No.	PI	Title of the Project	Comments
2.	Dr. Bharat Udey (Psychiatry)	Decoding the inflammation- dementia axis: peripheral blood biomarkers and mechanistic link in human	<ul style="list-style-type: none"> <li>• Kindly explain the method of sample size calculation., why did you take 15 control group sample and 15 experimental group sample?</li> <li>• Cytokines (IL-6, TNF-<math>\alpha</math>, IL-1<math>\beta</math>, IL-10) are mentioned, but no clear justification for selecting these markers specifically.</li> <li>• Kindly explain diagnostic criteria of Dementia?</li> <li>• Null hypothesis is not mentioned.</li> <li>• Who is going to fund for biomarker analysis?</li> <li>• Will you be able to examine the sample of all 30 patients and make result within 6 months of duration?</li> <li>• Who will bear the armamentarium cost, kindly elaborate?</li> <li>• How will you transport the sample to central university and what is the time period from sample taken to reaching at the Central university, is there any specific criteria?</li> </ul>

S. No.	PI	Title of the Project	Comments
3.	Dr. Bharat Udey (Psychiatry)	Unravelling Bi-directional link between Oxidative Stress and Dementia: Peripheral Biomarker profiling and Pathway Analysis.	<ul style="list-style-type: none"> <li>• No funding details provided.</li> <li>• Any project staff involved in the sample processing.</li> <li>• IEC of collaborating institute.</li> <li>• Use of Biological/ hazardous materials.</li> <li>• Sample size calculation with reference study.</li> <li>• SOD related marker justification.(as mention Dr.</li> </ul>
4.	Bhawna Sharma (Microbiology)	Genomic and transcriptomic characterization of <i>Stenotrophomonas sepilia</i> and decipherment of its virulence potential: A Multicentric observational study	<ul style="list-style-type: none"> <li>• Form 2- Funding details missing.</li> <li>• IEC of PGI not mentioned any study type but you mentioned multicentric observational study. Please Clarify.</li> <li>• Need updated IEC certificates from Nodal PI.</li> </ul>
5.	Dr. Shailendra Singh Rana (Dentistry)	Cross-cultural Adaptation and Validation of the International patient's Attitudes to prevention in Oral Health Questionnaire for Hindi speaking population of North India.	<p><b>1. Title Issues</b></p> <ul style="list-style-type: none"> <li>• The title is excessively long and grammatically awkward.</li> <li>• "Patient's" should be replaced with "Patients" or "Patient Attitudes."</li> <li>• "Hindi speaking" should be hyphenated as "Hindi-speaking."</li> <li>• "Validation" should preferably be termed "psychometric validation."</li> <li>• The word "International" appears redundant unless officially part of the questionnaire name.</li> </ul> <p><b>2. Study Design Problems</b></p> <ul style="list-style-type: none"> <li>• The study inconsistently describes itself as cross-sectional, validation,</li> </ul>

S. No.	PI	Title of the Project	Comments
			<p>and cross-cultural adaptation study.</p> <ul style="list-style-type: none"> <li>• Translation, pilot testing, validation, and reliability phases are not clearly separated.</li> </ul> <p><b>3. Primary Outcome Problems</b></p> <ul style="list-style-type: none"> <li>• Primary outcome is vaguely described as a culturally valid questionnaire.</li> <li>• No predefined psychometric thresholds are provided.</li> </ul> <p><b>4. Sample Size Issues</b></p> <ul style="list-style-type: none"> <li>• Sample size of 300 is not statistically justified.</li> <li>• No item-to-participant ratio or power analysis is provided.</li> <li>• Total questionnaire item count is not clearly stated.</li> </ul> <p><b>5. Statistical Weaknesses</b></p> <ul style="list-style-type: none"> <li>• Only Exploratory Factor Analysis (EFA) is planned.</li> <li>• Confirmatory Factor Analysis (CFA) should ideally be included.</li> <li>• No mention of KMO test, Bartlett's test, rotation method, or scree plot.</li> <li>• No handling strategy for missing data.</li> </ul> <p><b>6. Questionnaire Description Missing</b></p> <ul style="list-style-type: none"> <li>• Number of domains and items are not properly described.</li> <li>• Scoring system and interpretation are absent.</li> </ul> <p><b>7. Translation Methodology Weaknesses</b></p> <ul style="list-style-type: none"> <li>• Translator qualifications are not</li> </ul>

S. No.	PI	Title of the Project	Comments
			<p>specified.</p> <ul style="list-style-type: none"> <li>• No mention of reconciliation methods or semantic equivalence testing.</li> <li>• No standardized guideline reference such as ISPOR or Beaton guideline.</li> </ul> <p><b>8. Cognitive Debriefing Problems</b></p> <ul style="list-style-type: none"> <li>• Pilot testing procedure is poorly described.</li> <li>• No structured cognitive interviewing method is mentioned.</li> </ul> <p><b>9. Sampling Problems</b></p> <ul style="list-style-type: none"> <li>• Sampling method is not specified.</li> <li>• Selection bias is likely due to OPD-based recruitment.</li> </ul> <p><b>10. Population Representation Issues</b></p> <ul style="list-style-type: none"> <li>• North Indian Hindi-speaking population is highly heterogeneous.</li> <li>• No stratification by literacy, socioeconomic status, or dialect.</li> </ul> <p><b>11. Inclusion/Exclusion Criteria Issues</b></p> <ul style="list-style-type: none"> <li>• Illiterate Hindi speakers are excluded, reducing generalizability.</li> <li>• Important exclusions such as psychiatric illness are not mentioned.</li> </ul> <p><b>12. Test-Retest Reliability Issues</b></p> <ul style="list-style-type: none"> <li>• No retest sample size is provided.</li> <li>• No ICC cutoff values are mentioned.</li> </ul> <p><b>13. Ethical Weaknesses</b></p>

S. No.	PI	Title of the Project	Comments
			<ul style="list-style-type: none"> <li>• Data storage and confidentiality measures are inadequately explained.</li> <li>• No detailed anonymization strategy.</li> </ul> <p><b>14. Data Management Issues</b></p> <ul style="list-style-type: none"> <li>• No mention of password protection, storage duration, or restricted access.</li> </ul> <p><b>15. Literature Review Problems</b></p> <ul style="list-style-type: none"> <li>• Literature review is descriptive rather than analytical.</li> <li>• No proper gap analysis is presented.</li> </ul> <p><b>16. Research Question and Hypothesis Issues</b></p> <ul style="list-style-type: none"> <li>• Research question is broad and poorly framed.</li> <li>• Null and alternative hypotheses are unnecessary and awkwardly written.</li> </ul> <p><b>17. Consent Form Deficiencies</b></p> <ul style="list-style-type: none"> <li>• Consent form lacks estimated completion time.</li> <li>• No IEC contact details for participant grievances.</li> </ul> <p><b>18. Budget Problems</b></p> <ul style="list-style-type: none"> <li>• The claim that no budget is required is unrealistic.</li> <li>• Translation and psychometric studies usually incur operational expenses.</li> </ul> <p><b>19. External Validity Issues</b></p> <ul style="list-style-type: none"> <li>• Single-center recruitment limits</li> </ul>

S. No.	PI	Title of the Project	Comments
			<p>generalizability.</p> <ul style="list-style-type: none"> <li>• Results cannot represent all Hindi-speaking populations of North India.</li> </ul> <p><b>20. Formatting and Language Problems</b></p> <ul style="list-style-type: none"> <li>• Frequent grammatical and formatting inconsistencies are present.</li> <li>• Repeated sections and inconsistent headings reduce professionalism.</li> </ul> <p><b>21. Reference Formatting Issues</b></p> <ul style="list-style-type: none"> <li>• References are inconsistently formatted.</li> <li>• Vancouver style is not uniformly followed.</li> </ul> <p><b>22. Missing Limitations</b></p> <ul style="list-style-type: none"> <li>• No limitations section is included.</li> </ul> <p><b>23. Positive Aspects</b></p> <ul style="list-style-type: none"> <li>• Relevant public health topic.</li> <li>• Use of internationally recognized questionnaire.</li> <li>• Attempt at structured translation and adaptation.</li> <li>• Minimal-risk study design.</li> </ul> <p><b>24. Key Recommendations</b></p> <ul style="list-style-type: none"> <li>• Define psychometric endpoints clearly.</li> <li>• Include Confirmatory Factor Analysis.</li> <li>• Provide statistical sample size justification.</li> <li>• Improve consent documentation.</li> <li>• Add detailed statistical analysis</li> </ul>

S. No.	PI	Title of the Project	Comments
			<p>plan.</p> <ul style="list-style-type: none"> <li>• Improve language and formatting.</li> </ul>
6.	Dr. Anupinder Thind (Physiology)	To study effectiveness of concept maps as formative assessment in first year MBBS Students.	<ul style="list-style-type: none"> <li>• Title needs to be rewritten(should include type of study)</li> <li>• The referred citation should be mentioned in reference number</li> <li>• Divide objectives into primary &amp; secondary.</li> <li>• Please write sample size calculation in detail</li> <li>• Write references in Vancouver style.</li> </ul>
7.	Dr. Saurabh Nayak (Nephrology)	Effect of Desidustat in managing anaemic CKD Patients on an outpatient basis - A retrospective observational study.	<ul style="list-style-type: none"> <li>• Reference should be in Vancouver style.</li> <li>• Letter of permission from the MS Office needs to be attached.</li> <li>• PIS &amp; PICF in new format needs to be attached</li> <li>• Include at least one Co-PI from your department.</li> <li>• Resubmit as a cross-sectional study &amp; prospective study or rewrite as a retrospective study.</li> </ul>
8.	Dr. Akhilesh Pathak (FORENSIC MEDICINE AND TOXICOLOGY)	ESTABLISHMENT OF MULTICENTRE IDENTIFICATION PORTAL AND DNA DATABASE FOR IDENTIFICATION OF UNIDENTIFIED	<ul style="list-style-type: none"> <li>• Sponsor information incomplete with detailed budget not provided</li> <li>• Use of biological/hazardous fluid: collection for banking/ future research YES</li> <li>• Specify that you are one of the sites for the project in the title</li> </ul>

S. No.	PI	Title of the Project	Comments
		DEAD BODIES IN INDIA BY USING MOLECULAR, BIOINFORMATICS TOOLS AND TECHNIQUES.	<ul style="list-style-type: none"> <li>• Undertaking by the Investigator to be modified to Undertaking by the Site Investigator</li> <li>• How samples will be sent to AIIMS Delhi? Who will spend the money? How will the proper controlled conditions be created for transport of samples?</li> <li>• PIS and PICF to be labelled properly</li> <li>• Declare that AIIMS Bathinda is a honorary site for this project and that the two faculty are the honorary centre PI and Co PI for the project</li> <li>• At page 30 it is written that this study has been reviewed and approved by the Institute Ethics Committee of AIIMS Bathinda. How?</li> </ul>
9.	Dr. Shashank Kumar (CUP) Dr. Mahendra Partap Singh	STUDY OF BREAST CANCER GENOMICS TO IDENTIFY THERAPEUTIC TARGETS.	<ul style="list-style-type: none"> <li>• It is too board/ vague for a genomics study-no mention of population (Punjabi), PICOT may be followed.</li> <li>• PI?? Dr. Shashank or Dr. MP Singh</li> <li>• Attach clear collaboration agreement/MOU specifying roles, data ownership, publication, and biospecimen transfer. Update forms consistently (PI vs . site investigator).</li> <li>• How 75 subjects will be selected?</li> <li>• Mention Hypothesis.</li> <li>• Develop Coherence between title, Objectives &amp; Methodology.</li> <li>• Add a detailed Genomic Analysis subsection</li> </ul>

S. No.	PI	Title of the Project	Comments
			<ul style="list-style-type: none"> <li>• specifying method, tools etc.</li> <li>• A total of 75 Punjabi breast cancer patients is stated without power calculation, statistical justification, or reference to expected variant frequency, effect size, or prior Punjabi/ Indian BC genomics data, Provide a formal sample size calculation.</li> <li>• Detailed proposal not submitted.</li> </ul>
10.	Dr. Shashank Kumar (CUP) Dr. Nikhil Garg	Study of oral cancer genomics to identify therapeutic targets.	<ul style="list-style-type: none"> <li>• The current submission lacks a complete research protocol and consists only of administrative forms and informed consent documents.</li> <li>• Kindly submit a comprehensive research protocol including all essential sections for proper review.</li> <li>• Submit a properly scanned plagiarism report to ensure originality and academic integrity.</li> <li>• Detailed proposal not submitted.</li> </ul>
11.	Dr. Ankit Rai Dept of Trauma & Emergency	Functional, Radiological and Quality of Life Outcomes in Acetabular Fractures with Quadrilateral Plate Involvement: A Prospective Observational Study.	<ul style="list-style-type: none"> <li>• Who will bear the charges of implant.</li> <li>• What is the reason for choosing convenient sampling? Why not calculate sample size based on data of previous studies</li> <li>• PIS &amp; PICF as per new format needs to be attached.</li> <li>• Divide objectives in primary</li> </ul>

S. No.	PI	Title of the Project	Comments
			<p>&amp; secondary.</p> <hr/> <ul style="list-style-type: none"> <li>• Add designation of PI and Co-PI in Form 2.</li> <li>• In methodology section add research question, Null hypothesis and research hypothesis.</li> <li>• What is primary objective of study?</li> <li>• What is the rationale for obtaining radiographs at 2 weeks and 6 weeks postoperatively, despite the absence of expected radiological evidence of bone healing at these time points?</li> <li>• Why does the Patient Information Sheet (PIS) mention a follow-up at 4 weeks, whereas the study protocol specifies follow-up visits at 2 weeks, 6 weeks, 3 months, and 6 months?</li> <li>• Make PIS related to proposed protocol.</li> </ul>
12.	Dr. Bhupinder Singh (Prof & HOD)	A Structured Multicomponent Program for Assisted Home-based Post-Discharge Care using digital health Technologies and Guidelines-Directed Medical Therapy In Heart Failure with Reduced Ejection Fraction (SAATHI-HF.)	<ul style="list-style-type: none"> <li>• Is it funded? Funding Agency?</li> <li>• Fund details?? Rs.....One dead budget. Award letter of funding from funding agency.</li> <li>• Proposal – (Version 2) Each page sign from site PI/Co-PI.</li> <li>• NT-Pro BWP testing methodology (Pg.17)</li> <li>• How many sample??</li> <li>• When to test (? PC??) (ELPSA other format.</li> <li>• Who will do?</li> <li>• Details of laborectomy, test &amp;</li> </ul>

S. No.	PI	Title of the Project	Comments
			Methodology.
13	Dr. Sapna Marcus Bhatt (Radiation Oncology)	A randomized, double-blind, parallel-group study to compare pharmacokinetics of JPB898 (proposed nivolumab biosimilar) and US-licensed Opdivo in participants with resected stage IIB, IIC or III melanoma requiring adjuvant treatment with nivolumab.	<ul style="list-style-type: none"> <li>It is a drug trial so Radiation Oncologist is not eligible to perform it. PI should be medical Oncologist &amp; Pulmonologist.</li> </ul>


Minutes of Meeting held on 27.04.2026 regarding the evaluation of Faculty projects



Prof. (Dr) Lajya Devi Goyal  
(Dean Research)



Prof. (Dr.) Anuradha Raj  
(Associate Dean Research)



Dr. M Altaf Mir  
(Alt. Member Secretary)



Dr. Sivanantham  
Krishnamoorthi



Dr. Shailendra Singh Rana