



झारखंड केन्द्रीय विश्वविद्यालय, रांची
Central University of Jharkhand (CUJ), Ranchi
(संसदीय अधिनियम के तहत 2009 में स्थापित केन्द्रीय विश्वविद्यालय)
संस्थागत मानव नैतिक समिति (सीयूजे)
Institutional Human Ethical Committee, CUJ



Minutes of the Meeting

Dated: 21/ 07/ 2023

The tenth Institutional Human Ethical Committee (IHEC) meeting was convened at 10.00 AM on 21st July 2023, at Dept Life Science, CUJ (Manatu-Chery Campus), in the presence of the following committee members.

Committee members:

1. Padmashree (Professor) AP Dash (Chairperson)
2. Dr. Ashish Sachan (Associate Professor, Head, DLS; Member Secretary)
3. Prof. M.K. Rai (Retd. Professor, RIMS)
4. Dr. Manoj Kumar (Associate Professor)
5. Dr. Praveen K. Sharma (Asst. Professor)
6. Dr. Rajakishore Mishra (Asst. Professor)
7. Dr. Anil Kumar (Asst. Professor)
8. Dr. Hena Firdaus (Asst. Professor)
9. Dr. Prachi K Sikle (Medical Officer, CUJ)
10. Mr. Vinay Kumar (BA, LLB Hons. CLNU) Legal Expert
11. Dr. Rajanikant Pandey (Asst. Professor)
12. Mr. Kartik Lohra (Lay Person)

Proceedings of the meeting:

The Member Secretary welcomed all the committee members of the 10th annual meeting of IHEC, CUJ. The Secretary, Dr Sachan, introduced Hon'ble Chairperson Padmashree (Professor) Aditya Prasad Dash and invited him to this meeting.

One of the committee members Dr M. Kumar, formally introduced all the members of IHEC, CUJ (CUJ-DLS-IHEC-2022-1-530 dated 11/ 04/ 2022). He also thanked all the committee members for their active participation. The address by the Chairperson followed this. He has emphasized the importance of IHEC and the ICMR guidelines. Subsequently, the member secretary briefed the proceedings of the last meeting held at the Department of Life Science, Brambe Campus, CUJ, on 11/ 05/ 2022.

The following items were discussed and recorded.

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1. The committee members were informed that three research scholars Ms Arpita Jha (SRF ICMR, CUJ Regd No: 19180201013), Ms Anjali Kumari (JRF-CUJ, CUJ Regd No: 20180201001) and Ms Anju Tiwari (JRF UGC-CSIR, CUJ Regd No: 22180201001), have been undertaking their PhD work on human oral cancer.
2. During this period, Ms Nidhi Nath (NET-LS; CUJ Regd. No: CUJ/PHD/DLS/2017/02; Supervisor Dr R Mishra) completed her research work entitled "*Role of wingless integrated - Glycogen Synthase Kinase3 β mediated signaling in cervical cancer progression and resistance*". Her PhD degree was awarded on 30th Nov 2022.
3. One more research scholar Ms Arpita Jha (SRF ICMR, CUJ Regd No: 19180201013; Supervisor Dr R Mishra), completed her PhD work. Her PhD thesis is entitled "*Mechanism of innate and acquired immune system failure during Oral Squamous Cell Carcinoma Progression, Invasion, and Resistance.*" She defended her open PhD Submission seminar on 26th May 2023 and submitted her Doctoral thesis on 10th July 2023 for evaluation.
4. The committee members appraised the work of research scholar Ms A. Kumari (JRF-CUJ, Regd: 20180201001). Her PhD work is entitled "*Alteration of Bioenergy Metabolism and its Implications in Oral Squamous Cell Carcinoma Progression and Resistance.*" She has obtained permission from RIMS, Ranchi (RIMS/Admn/DC/No299 - dated 24/6/2022) and CARA HGC (Ref No: HARACH/LT/66085/22-23 - dated 23/02/2022) as per the CUJ Lett No: CUJ/207 - dated 31/1/2022; and CUJ/204 - dated 31/1/2022 respectively, to obtain cancer samples. Briefly, as per the RAC approval, she has collected the patients/ HC (healthy control) saliva, serum and tumor/ AN (adjacent normal) biopsy samples (as per the IHEC, CUJ approved format) and measured the Lactate Dehydrogenase (LDH) and Pyruvate Dehydrogenase (PDH) activity by spectrophotometry. Besides this, she will use the routine RT-PCR, IHC and WB in tissue samples and OSCC-derived cells (SCC4/9). The committee approved the subject, protocol/methodology (Approval No: IHEC-CUJ/2023/AK-01).
5. The committee members were informed of the work of Ms A. Tiwari (JRF-UGC, Regd No: 22180201001). Her proposed PhD work is entitled "*Identifying epigenetic changes of stemness genes and their role in therapy resistance, recurrence and invasion of oral cancer.*" She has obtained permission from RIMS (RIMS/Admin/DC/No 240 – dated 6/7/2023 and HGC CARA Ref No: HARACH/MS/LT/2023 as per the CUJ Lett No: CUJ/DLS/RM/AT/01/258 – dated 21/4/2023 and CUJ/DLS/RM/AT/01/260 – dated 21/4/2023, respectively, to obtain oral cancer samples. She will collect the patients/ HC (healthy control) biopsy samples (with consent on IHEC, CUJ approved format-2022) and check the DNA methylation, histone modifications and other epigenetic changes by Bisulphite modification-PCR and WB. She will target these causative molecules/pathways in SCC4/9 cells. Besides these, she will perform routine IHC, RT-PCR and WB to decode the epigenetic regulation and their consequences. The committee approved the subject and protocol/methodology (Approval No: IHEC-CUJ/2023/AT-01).
6. During this period, two batches (2020-22 and 2021-23) of MSc students have passed. A total of 14 students have completed their MSc dissertation work on human oral cancer. There were eight students of Batch 2020-22: Mr Ankit Paul, CUJ Registration Number (RN- hereafter): 20180402001; Ms Pragya Samridhi, RN: 20180402017; Ms Bandita Nayak, RN: 20180402003; Ms Priyanka Patel, RN:

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20180402020; Ms Susmita Singh, RN: 20180402039; Ms Sunaina Pradhan, RN: 20180402037; Ms Sreja Paul, RN: 20180402035; and Ms Ayushi Verma, RN: 20180402002.

Similarly, six students of the 2021-23 batch such as Ms Suman Saha, RN: 21180402004; Ms Chandni Kumari, RN: 21180402013; Ms Lizarani Das Adhikari, RN: 21180402014; Ms Riyanka Dutta, RN: 21180402031; Ms Suchitra Kar, RN: 21180402046; and Mr Anurag Pradhan, RN: 21180402025 have recently completed their master's project work on oral cancer.

7. The committee members were informed about the submission of the following research proposal on human subjects (PI Dr R. Mishra) to the Dept of Biotechnology (DBT) GoI. The project entitled "*Analysis of neuropsychiatric, neurodevelopmental and neurodegenerative disorders in humans and their connotation with patients' innate immunity*" and currently under review. This project proposed utilizing post-operated (surgically removed tissue) samples/ non-invasive serum samples and HC. It will analyze the SNPs/ status of Toll-like Receptors and the associated pathways. The committee approved the proposed project (Approval No: IHEC-CUJ/DLS/2023/RM-1) *post facto*.

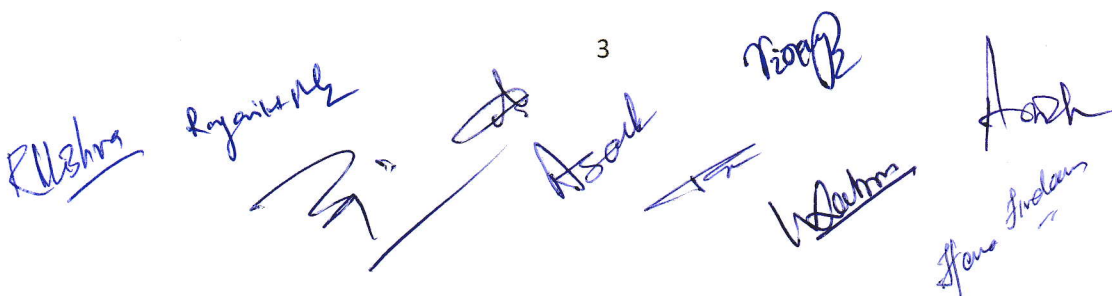
8. The committee members were informed about the recent rejection results of the following research proposal on human subjects (PI Dr R. Mishra) submitted to different funding agencies like ICMR (entitled "*Identification, characterization and application of oral microbiota causing the development/ progression of different human neoplasms in tribal-dominated Jharkhand.*"), GoI; SERB (entitled "*Evaluation of extracellular vesicles as a non-invasive biomarker for chemo-radiation/ immune checkpoint inhibitor therapy-resistant oral cancer*"), GoI and Indo-Sweden collaborative project (entitled "*Prevention of oral cancers caused by impure tobacco products used for smoking replacement in Jharkhand, India*" with Prof. Robert Nilsson, PhD, DSC, Sweden) during this period.

9. New collaboration was underway with Ranchi Cancer Hospital & Research Centre, Kanke, Ranchi - 834006 (a joint initiative of the Ranchi Cancer Care Foundation and the Tata Cancer Care Foundation). Previous collaborations with RIMS, Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (HGC-Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi), Pathological Clinics and Singhal Hospital, Piskamore by the PI Dr Mishra to obtain surgically removed human tumor samples and control samples are also maintained.

10. The committee members have appraised the research work on human subjects at DLS, CUJ during this period [Jha A *et al.*, (2023) *Pathology Research and Practice*, ISSN: 0344-0338; Kumari A *et al.*, (2023) *Archives of Oral Biology*, ISSN: 0003-9969; Mishra R (2023) *The Applied Biology and Chemistry Journal*, ISSN: 2582-8789]. There are two other papers in the pipeline Jha A *et al.*, (2023) *International Immunopharmacology* (R Mishra and co-authors) and Arvinth S *et al.*, (2023) in collaboration (with Prof S Nagini, AU).

11. The committee also gave *post-facto* approval to the aforementioned DBT, ICMR, SERB and Indo-Sweden project and all these M.Sc. dissertation works and PhD work on human subjects done at the Dept. of Life Sciences on human subjects. The members suggested submitting these proposals to other funding agencies.

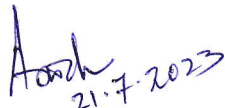
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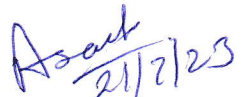
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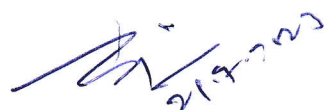
12. The committee members visited the research laboratory of the Department and observed the cleanliness and good laboratory practices of the working area. All the members appreciated the safe disposal of the waste materials (paraffin embodied human tissue samples, cell culture media and other routine lab chemicals) and maintained Good Laboratory Practices.


The meeting ended (at 11.30 AM) with a vote of thanks to the Chairperson.



Padmashree (Professor) AP Dash
(Chairperson)

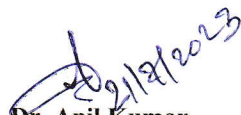

Professor MK Rai
(Retd. Professor, RIMS, Ranchi)

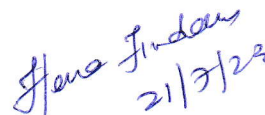

Dr. Ashish Sachan
(Member Secretary, Head, Dept. of Life Sciences, CUJ)


Dr. Manoj Kumar
(Associate Professor, DLS)



Dr Praveen K Sharma
(Asst. Professor, DLS)



Dr. Rajakishore Mishra
(Asst. Professor, DLS)


Dr. Anil Kumar
(Asst. Professor, DLS)


Dr. H. Firdaus
(Asst. Professor, DLS)

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Dr. Prachi K Sikle
(Medical Officer, CUJ)


**Mr. Vinay Kumar BA,
LLB**
(Legal Expert, Ranchi)


Dr. R. Pandey
(Asst. Professor, DTS)


Mr. Kartik Lohra
(Lay Person)