



झारखण्ड केन्द्रीय विश्वविद्यालय
Central University of Jharkhand
(Established by an Act of Parliament of India, 2009)

Minutes of the Institutional Human Ethical Committee meeting of Central University of Jharkhand (CUJ), Brambe, Ranchi - 835 205

Dated: 18/12/2019

The eighth Institutional Human Ethical Committee (IHEC) meeting was convened at 2.00PM on 18th Dec, 2019 at Dept Life Science, CUJ in the presence of the following committee members.

Committee members:

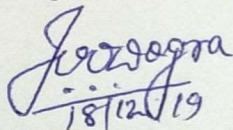
1. Prof. J.V.V. Dogra (Chairperson)
2. Prof. M.K. Rai (Member, Retd. Professor, RIMS, Ranchi)
3. Dr. Manoj Kumar (Secretary, Head, Dept of Life Sciences)
4. Prof. S. Medhekar (Member, Head Dept. of Physics, CUJ)
5. Dr. Ashish Sachan (Member, Associate Professor, DLS)
6. Dr. Prachi Shelke (Member, Medical Officer, CUJ)
7. Mr. Bishwambher Mahato (Member, Advocate, Ranchi)
8. Mr. R. Pandey (Member, Asst. Professor)
9. Dr. P.K. Sharma (Member, Asst. Prof. DLS)
10. Dr. R. Mishra (Member, Asst. Prof. DLS)
11. Dr. A. Kumar (Member, Asst. Prof. DLS)
12. Dr. H. Firdaus (Member, Asst. Prof. DLS)
13. Dr. P. Sharma (Member, UGC-Asst. Prof. DLS)

Proceedings of the meeting:

1. The committee members gone through all the sanctioned/completed extramural projects at DLS on human subjects. Those are: i) "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer". Funding agency DBT, Govt. of India, period 2013-2016; Project No: BT/PR4624/MED/30/701/2012; (PI: Dr R. Mishra). ii) "To define the multidrug resistance gene mdr-1 in oral cancer" Funded by D.B.T. BUILDER, Govt. of India, period 2014-2019; Project No: (No. BT/PR9028/INF/22/193/2013) Co-P.I. Dr. R. Mishra.
2. The committee members were informed, four Ph.D. Scholars are currently working on human subjects. They are Ms. Tanushree (SRF-CSIR, work in human oral cancer); Ms Nidhi Nath (JRF-CUJ, DBT-BUILDER, work in human cervical cancer); Ms Arpita Jha (JRF-CUJ, work in human oral cancer); and Mr. Danish Ali (JRF-CUJ, work in human breast cancer).
3. Besides this, the M.Sc. dissertation work proposal, on human subjects, by seven M.Sc. students of the department (DLS) have been presented on 17th Dec, 2019. They are Ms. Pratikhya Mohapatra (CUJ/I/2015/ILS/004; work on human breast cancer); Ms Mousumi Maity (CUJ/I/2015/ILS/009, work on human cervical cancer); Ms Rohini Kumari (CUJ/I/2015/ILS/020; work on human endometrial cancer), Mr Partha Sarthi Jena (18180402013; work on human oral cancer), Ms Sikha Shree (18180402021; work on human breast cancer); Ms Ritu Priya (18180402019, human GI cancer) and Mr

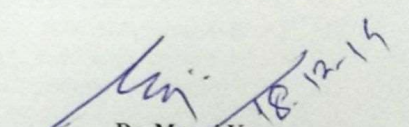
- Nitish Kumar Bhol (18180402011, human colorectal cancer). These biochemical works will be performed on human tissue samples. The committee approved their M.Sc. work on human subject.
3. Collaboration have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi) Pathological Clinics (Dr Raghav Sharan's Clinic; Singhal Hospital, Piskamore) (by the P.I. Dr. R. Mishra) to obtain surgically removed human oral tumor samples /cervical tumor samples and control samples. The tumor samples and control samples of various stages have been collected with the consent of the patient/ guardian/ doctor to analyse the expression of biomarkers related with the respective projects.
5. The committee members expressed satisfaction on the progress of the work on human subjects. The committee was informed the award of Ph.D. degree of Mr. K.K. Pramanik. The committee members were appraised the work progress of CD44 work on oral cancer by Kashyap T *et al.*, that is published in Oral Oncology.
6. *Post facto* approval of procurement of two more human cervical cancer derived cell lines (SiHa and C33A) from N.C.C.S, Pune was given.
9. The committee members visited the research lab of the Department and unanimously observed the cleanliness and good laboratory practices, of the working area and maintainance of record. The committee appreciated the safe disposal of the waste materials (paraffin embedded human tissue samples and other routine lab chemicals) and maintaining Good Laboratory Practices.
10. All the committee members agreeded unanimously for the satisfactory steps taken by the Dept. to impliment IHEC recommendations last time. The committee will monitor suggest and advise the modalities and other requirments as and when required.

The meeting was ended with a vote of thanks to the Hon'ble Chair.

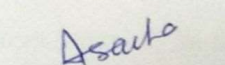

18/12/19

Prof. J.V.V. Dogra
(Chairperson)

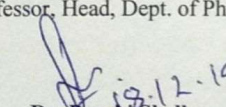
Prof. M.K. Rai
(Professor, RIMS)


18.12.19
Dr. Manoj Kumar
(Secretary, Head, Dept. of Life Sciences)

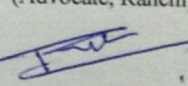
Prof. S. Medhekar
(Professor, Head, Dept. of Physics)

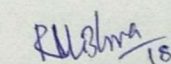

Dr. A. Sachan
(Asso. Professor, DLS)

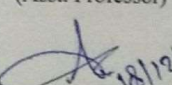
Mr. Bishwambher Mahato
(Advocate, Ranchi)

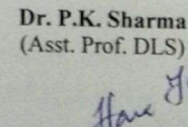

18.12.19
Dr. Prachi Shelke
(Medical Officer, CUJ)

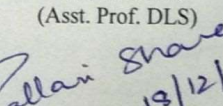
Dr. R. Pandey
(Asst. Professor)


Dr. P.K. Sharma
(Asst. Prof. DLS)


18.12.19
Dr. R. Mishra
(Asst. Prof. DLS)


18/12/2019
Dr. A. Kumar
(Asst. Prof. DLS)


18/12/19
Dr. H. Firdaus
(Asst. Prof. DLS)


13/12/19
Dr. P. Sharma
(UGC- Asst. Professor)



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(भारतीय संसद अधिनियम, 2009 के द्वारा स्थापित)
(Established by an Act of Parliament of India in 2009)

7th IHEC Meeting, CUJ

Minutes of the Institutional Human Ethical Committee meeting of Central University of Jharkhand (CUJ), Brambe, Ranchi - 835 205

Dated: 31/08/2018

The seventh Institutional Human Ethical Committee (IHEC) meeting was convened at 2.00PM on 31st Aug, 2018 at Dept Life Science, CUJ in the presence of the following committee members.

Committee members:

1. Prof. J.V.V. Dogra (Chairperson)
2. Prof. M.K. Rai (Member, Retd. Professor, RIMS, Ranchi)
3. Dr. Manoj Kumar (Secretary, Head, Dept of Life Sciences)
4. Prof. S. Medhekar (Member, Head Dept. of Physics, CUJ)
5. Dr. Ashish Sachan (Member, Associate Professor, DLS)
6. Dr. I.C. Vidyasagar (Member, Medical Officer, CUJ)
7. Mr. Bishwambher Mahato (Member, Advocate, Ranchi)
8. Mr. R. Pandey (Member, Asst. Professor)
9. Dr. P.K. Sharma (Member, Asst. Prof. DLS)
10. Dr. R. Mishra (Member, Asst. Prof. DLS)
11. Dr. A. Kumar (Member, Asst. Prof. DLS)
12. Dr. H. Firdaus (Member, Asst. Prof. DLS)
13. Dr. P. Sharma (Member, UGC-Asst. Prof. DLS)
14. Dr. V.K. Srivastava (Member, Asst. Prof.-DBT-BUILDER, DLS)

Proceedings of the meeting:

1. The committee members gone through all the sanctioned extramural projects at DLS on human subjects. Those are:
 - i) "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer". Funding agency DBT, Govt. of India, period 2013-2016; Project No: BT/PR4624/MED/30/701/2012; (PI: Dr R. Mishra).
 - ii) "To define the multidrug resistance gene mdr-1 in oral cancer" Funded by D.B.T. BUILDER, Govt. of India, period 2014-2019; Project No: (No. BT/PR9028/INF/22/193/2013) Co-P.I. Dr. R. Mishra.
2. The committee members were informed, three research scholars Mr. Kamdeo K. Pramanik (SRF-CSIR) and Ms. Tanushree (JRF-CSIR) work in human oral cancer and Ms Nidhi Nath (JRF-CUJ) work in human cervical cancer related research (for their Ph.D.). Besides this, the M.Sc. dissertation work by students: Mr. Debarchan Panda (work on human oral cancer), Ms Ankita Mishra (work on human ovarian cancer), Ms Jayashree Roy (work on human breast cancer) and Mr Vaibhav Pathak (work on human cervical cancer) is also based on human tissue samples.
3. Collaboration have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi) Pathological Clinics (Dr Raghav Sharan's Clinic; Singhal Hospital, Piskamore) (by the P.I. Dr. R. Mishra) to obtain surgically removed human oral tumor samples /cervical

tumor samples and control samples. The tumor samples and control samples of various stages have been collected with the consent of the patient/ guardian/ doctor to analyse the expression of biomarkers related with the respective projects.

5. The committee gave *post-facto* approval of 2 M.Sc. dissertation work done at the centre, those include: Ms Rupa Mishra (Year-2018) - Proliferation promoting cyclin D1 and its regulation by Notch, p53, and beta-catenin pathway in oral squamous cell carcinoma progression.

Ms Salini Vatsha (Year-2018) - Invasion promoting matrix metalloproteinase-9 and its regulation by CD44 and glycogen synthase kinase 3 in oral cancer – a study from Ranchi Area.

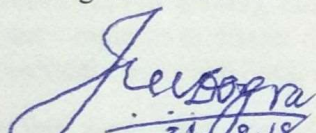
6. The committee members expressed satisfaction on the progress of the project of Dr R. Mishra.

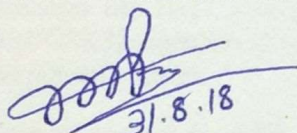
8. The committee members were appraised the work progress related with human subjects MMP-9 work published in Pramanik KK et al., *Cellular Oncology* 2018 41(1): 47-60.; and CD44 work on oral cancer Kashyap T et al., *Oral Oncology* (*Communicated*).

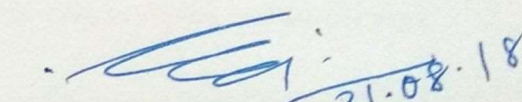
9. The committee members visited the research lab of the Department and unanimously observed the cleanliness and good laboratory practices, of the working area. The committee appreciated the safe disposal of the waste materials (paraffin embedded human tissue samples and other routine lab chemicals) and maintaining Good Laboratory Practices.

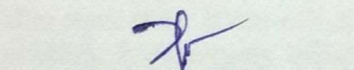
10. All the committee members agreed unanimously for the satisfactory steps taken by the centre to implement IHEC recommendations last time. The committee will monitor suggest and advise the modalities and other requirements as and when required.

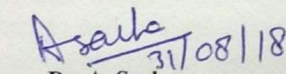
The meeting was ended with a vote of thanks to the Hon'ble Chair.


31.08.18
Prof. J.V.V. Dogra
(Chairperson)


31.8.18
Prof. M.K. Rai
(Professor, RIMS)

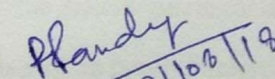

31.08.18
Dr. Manoj Kumar
(Secretary, Head, Dept. of Life Sciences)

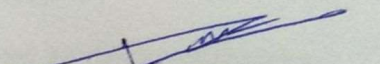

Prof. S. Medhekar
(Professor, Head, Dept. of Physics)

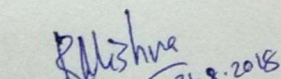

31/08/18
Dr. A. Sachan
(Asso. Professor, DLS)

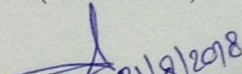
Mr. Bishwambher Mahato
(Advocate, Ranchi)

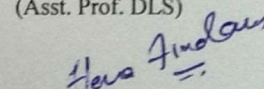
Dr. I.C. Vidyasagar
(Medical Officer, CUJ)

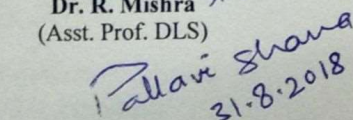

31/08/18
Dr. R. Pandey
(Asst. Professor)

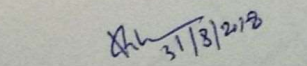

Dr. P.K. Sharma
(Asst. Prof. DLS)


31.8.2018
Dr. R. Mishra
(Asst. Prof. DLS)


31/8/2018
Dr. A. Kumar
(Asst. Prof. DLS)


Dr. H. Firdaus
(Asst. Prof. DLS)


31-8-2018
Dr. P. Sharma
(UGC- Asst. Professor)


31/8/2018
Dr. V.K. Srivastava
(Asst. Prof. – DBT BUILDER)



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6th IHEC Meeting, CUJ

Minutes of the Institutional Human Ethical Committee meeting of Central University of Jharkhand (CUJ), Brambe, Ranchi - 835 205

Dated: 30/08/2017

The sixth Institutional Human Ethical Committee (IHEC) meeting was convened at 2.00PM on 30th Aug, 2017 at Centre for Life Science, CUJ in the presence of the following committee members.

Committee members:

1. Prof. J.V.V. Dogra (*Chairperson*)
2. Prof. M.K. Rai (Member, Professor, RIMS)
3. Dr. R. Mishra (*Secretary*, Coordinator, CLS, CUJ)
4. Prof. S. Medhekar (Member, CAP, CUJ)
5. Dr. I.C. Vidyasagar (Member, Medical Officer, CUJ)
6. Mr. Bishwambher Mahato (Member, Advocate, Ranchi)
7. Mr. R. Pandey (Member, Asst. Prof. CIC)
8. Dr. P.K. Sharma (Member, Asst. Prof. CLS)
9. Dr. A. Kumar (Member, Asst. Prof. CLS)
10. Dr. H. Firdaus (Member, Asst. Prof. CLS)
11. Dr. A.K. Panda (Member, DST-Inspire Faculty Fellow, CLS)
12. Dr. P. Sharma (Member, UGC-Asst. Prof. CLS)
13. Dr. B.R. Meher (Member, Asst. Prof.-DBT-BUILDER, CLS)
14. Dr. V.K. Sivasvava (Member, Asst. Prof.-DBT-BUILDER, CLS)

Proceedings of the meeting:

1. The committee members gone through all the sanctioned extramural projects at CLS on human subjects. Those are:

i) "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer". Funding agency DBT, Govt. of India, period 2013-2016; Project No: BT/PR4624/MED/30/701/2012; (PI: Dr R. Mishra).

ii) "To define the multidrug resistance gene mdr-1 in oral cancer" Funded by D.B.T. BUILDER, Govt. of India, period 2014-2019; Project No: (No. BT/PR9028/INF/22/193/2013) Co-P.I. Dr. R. Mishra.

iii) "Role of S6 Kinase in Oral Cancer Patients of Jharkhand Population" Funding agency DBT, Govt of India, period 2015-2016; Project No: Research Associate/ DBT: Dr. A.K Singh; Supervisor: Dr R. Mishra.

R. Mishra
30.8.17

J. V. V. Dogra
30/8/17

iv) "Role of Toll like receptors and identification of novel disease activity markers in systemic lupus erythematosus". Funding agency DST, Govt of India, period 2014-2018; Project DST-INSPIRE FACULTY; PI: Dr. AK. Panda.

2. The committee members also knew, currently there is one Research Associate (Dr. Abhay K. Singh, RA-DBT), three research scholars Mr. Kamdeo K. Pramanik (SRF-CSIR) and Ms Tanushree (JRF-CSIR) and Mr. Manjar Alam (JRF-DBT BUILDER), involved in the human oral cancer related research work. Besides this, (Mr. Harisankar Mahato, JRF) is associated with this work on human systemic lupus erythematosus.

3. Collaboration have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi) Pathological Clinics (Dr Raghav Sharan's Clinic; Singhal Hospital, Piskamore) (by the P.I. Dr. R. Mishra) to obtain surgically removed human oral tumor samples /control samples. So far, one hundred fifty three post operated oral tumor samples and control samples of various stages have been collected with the consent of the patient/ guardian/ doctor to analyse the expression of biomarkers related with the respective projects.

4. Approval has been given by the committee for the use of post operated human samples (including the already collected samples to maximize the productivity) in the proposed Ph.D. dissertation work of Mr Kamdeo K Pramanik, Mr Manjar Alam, and Ms Tanushree. The committee have been informed and appreciated the research objectives those have presented by the respective scholars in the Centre Doctoral Comettee meeting held on 24th Aug 2017 at Centre for Life Sciences, CUJ.

5. The committee gave *post-facto* approval of 3 M.Sc. dissertation work done at the centre, those include:

"Role of Multidrug Resistance 1 gene (MDR1), cyclin D1, and p53 oral squamous cell carcinoma: A pilot study". M.Sc. Student: *Ms Archisman Banerjee*

"Extracellular signal regulated kinase (ERK), Beta-Catenin, p53 mediated regulation of MDR1 in oral cancer chemoresistance: A study from Ranchi Area". M.Sc. Student: *Ms Ruby Gupta*

"Role and regulation of Matrix Metalloproteinase-9 in oral squamous cell carcinoma: A pilot study from Ranchi Area". M. Sc. Student: *Ms Arpita Jha*

6. The committee members expressed satisfaction on the progress of the project of Dr. A. K. Panda (DST-Inspire Faculty, CLS) on "Possible link between autoimmuno disorders and fileriasis: a study in filarial endemic areas". The committee have approved the application of resubmission of Projects on Pin1; Pak1 and GSK3 reloral cancer (PI: Dr R. Mishra) to different funding agency as it was not successful to get fund from C.S.I.R., Govt of India.

7. The committee appreciated the Oral Cancer Awareness Program initiated by the CLS in the local community (by Dr. R. Mishra and Lab members). In this program the information (socio-economic status, living condition and addiction history) was collected by the nearby Villagers, School going students.

R. Mishra
30.8.2017

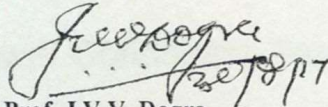
Jeevan
30/8/17

8. The committed members were appraised the work progress related with human subjects and appraised the finding recently published in *Tumor Biology* 2016; 37(11):15253-15264; and *Clinical Oral Investigations* 2017 DOI: 10.1007/s00784-017-2074-6 and *Lupus Science and Medicine* 2016; e000145; *Journal of Immunology* 2016; 197(1) 108-118.

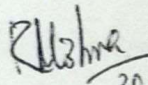
9. The committee members visited the research lab of the Centre and unanimously agreed of the clinliness and good laboratory practices, of the working area. The committee appreciated the safe disposal of the waste materials (paraffin emboided human tissue samples and other routine lab chemicals) and maintaing Good Laboratory Practices.

10. All the committee members agreed unanimously for the satisfactory steps taken by the centre to impliment IHEC recommendations last time. The committee will monitor suggest and advise the modalities and other requirments as and when required.

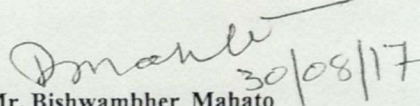
The meeting was ended with a vote of thanks to the Hon'ble Chair.

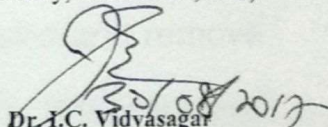

Prof. J.V.V. Dogra
(Chairperson)

Absent.
Prof. M.K. Rai
(Professor, RIMS)

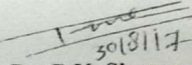

Dr. R. Mishra
(Secretary, Coordinator, CLS)

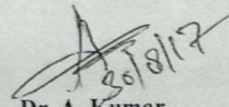
Absent.
Prof. S. Medhekar
(Professor, CAP)

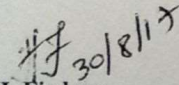

Mr. Bishwambher Mahato
(Advocate, Ranchi)

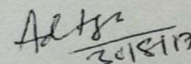

Dr. I.C. Vidyasagar
(Medical Officer, CUJ)

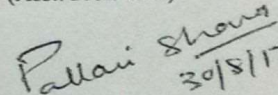
Dr. R. Pandey
(Asst. Prof. CIC)

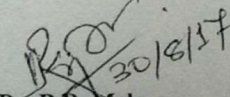

Dr. P.K. Sharma
(Asst. Prof. CLS)

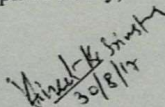

Dr. A. Kumar
(Asst. Prof. CLS)


Dr. H. Firdaus
(Asst. Prof. CLS)


Dr. A. K. Panda
(DST Inspire Faculty)


Dr. P. Sharma
(UGC- Asst. Professor)


Dr. B.R. Meher
(Asst. Prof. - DBT BUILDER)


Dr. V.K. Srivastava
(Asst. Prof. - DBT BUILDER)



झारखण्ड केन्द्रीय विश्वविद्यालय, राँची
Central University of Jharkhand, Ranchi
(संसदीय अधिनियम के तहत 2009 में स्थापित केन्द्रीय विश्वविद्यालय)
(A Central University established by an Act of Parliament in 2009)

Minutes of the Institutional Human Ethical Committee meeting of Central University of Jharkhand (CUJ), Brambe, Ranchi - 835 205

Dated: 03/08/2016

The fifth Institutional Human Ethical Committee (IHEC) meeting was convened at 2.00PM on 3rd Aug, 2016 at Centre for Life Science, CUJ in the presence of the following committee members.

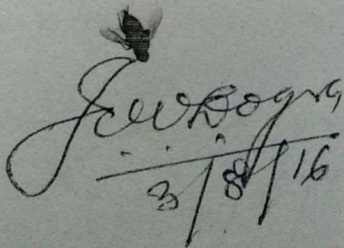
Committee members:

1. Prof. J.V.V. Dogra (*Chairperson*)
2. Prof. M.K. Rai (Member, Retd. Professor, RIMS)
3. Prof. A.N. Misra (*Secretary*, Head, Centre for Life Sciences (CLS))
4. Prof. S. Medhekar. (Member, CAP, CUJ)
5. Dr. I. C. Vidyasagar (Member, Medical Officer, CUJ)
6. Mr. Bishwambher Mahato (Member, Advocate, Ranchi)
7. Mr. R. Pandey (Member, Asst. Prof. CIC)
8. Dr. P.K. Sharma (Member, Asst. Prof. CLS)
9. Dr. R. Mishra (Member, Asst. Prof. CLS)
10. Dr. A. Kumar (Member, Asst. Prof. CLS)
11. Dr. H. Firdaus (Member, Asst. Prof. CLS)
12. Dr. A.K. Panda (Member, DST-Inspire Faculty, CLS)
13. Dr. B.R. Meher (Member, Asst. Prof.-DBT BUILDER, CLS)
14. Dr. V. Srivastava (Member, Asst. Prof.-DBT BUILDER, CLS)
15. Dr. P. Sharma (UGC Asst. Prof)

Proceedings of the meeting:

1. The committee members have gone through the four extramural projects running on human subjects at centre. Those are:

- i) "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer". Funding agency DBT, Govt of India, period 2013-2016; Project No: BT/PR4624/MED/30/701/2012; PI: Dr R. Mishra.
- ii) "To define the multidrug resistance gene mdr-1 in oral cancer" Funded by D.B.T. BUILDER, Govt. of India, period 2014-2019; Project No: (No. BT/PR9028/INF/22/193/2013) Co-P.I. Dr. R. Mishra; (PI: Prof A.N. Misra).
- iii) "Role of S6 Kinase in Oral Cancer Patients of Jharkhand Population" Funding agency DBT, Govt of India, period 2015-2016; Project No: Research Associate/ DBT: Dr. A.K Singh; Supervisor: Dr. R. Mishra.
- iv) "Role of Toll like receptors and identification of novel disease activity markers in systemic lupus erythematosus". Funding agency DST, Govt of India, period 2014-2018; Project DST-INSPIRE FACULTY; PI: Dr AK. Panda.


3/8/16

2. The committee members were informed about the manpower. Currently there is one Research Associate (Dr. Abhay K. Singh, RA-DBT), one JRF-CSIR (Mr. Kandeo K. Pramanik), one JRF-DBT Project (Mr. Manzar Alam), one JRF-CUJ (Ms. Tanushree) and one Research Assistant (Ms. Sneha Kumari) involved in the human oral cancer related research work. Besides this, one Research Assistant (Mr. Harisankar Mahato) is associated with the work on human systemic lupus erythematosus.
3. Collaboration have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi), Pathological Clinics (Dr Raghav Sharan's Clinic; Singhal Hospital, Piskamore) by the P.I. Dr. R. Mishra to obtain surgically removed human oral tumour samples /control samples. So far, one hundred seven post operated fresh oral tumor samples and control samples of various stages including nineteen lymph local node invasive oral tumours and twenty one chemo-radio resistance oral tumours with local recurrence have been collected (by the JRFs - KKP, MA, T; RA - AKS) with the consent (prescribed format of IHEC, CUJ) of the patient/ guardian/ doctor to analyse the expression of various biomarkers related with the respective projects.
4. Approval has been given by the committee for the use of post operated human samples (including the already collected samples to maximize the productivity) in the proposed Ph.D. dissertation work of Ms Tanushree, i.e. "Identification of important cancer stem cell markers and dissect their role towards invasion and drug resistance of oral squamous cell carcinoma (OSCC)". The committee have carefully gone through the well defined objectives those have presented by the scholar in the Centre Doctoral Comettee meeting held on 29th Jan 2016 of Centre for Life Sciences, CUJ.
5. The committee gave *post-facto* approval of four M.Sc. dissertation work done at the centre on human subjects, those include
 - i) "Nuclear Factor κ B (NF κ B) Mediated Regulation of Anti-apoptotic Bcl-2 in Oral Squamous Cell Carcinoma – A Study by Using Patients Samples from Ranchi Area ". Student: Ms Gargee Bhattacharya; Reg. No.: CUJ/I/2011/ILS/01.
 - ii) "Cell cycle regulatory cyclin D1 and its regulation by an oncogenic transcription factor AP-1 in Oral Squamous Cell Carcinoma – a correlation study". Student: Ms Swati Pande; Reg. No.: CUJ/I/2011/ ILS/12.
 - iii) "Inactivation of GSK3-beta and its effect on beta-catenin mediated cell signaling in human oral cancer progression: A study from Ranchi area". Student: Ms Pratima Kumari; Reg. No.: CUJ/I/2014/ ILS/50.
 - iv) " Expression and activity of MMP-9 in chewing tobacco mediated oral cancer: A study by using patients from Ranchi area". Student: Ms Preeti Rani; Reg. No.: CUJ/I/2011/ ILS/04.
6. The committee approved (*post-fato*) for obtaining human demographic informations of Oral Cancer/HNSCC patients (with the permission of the Medical Superintendent, HCG CARA-CI), that had undergone treatment at HCG CARA-Cancer Institute, Ibra, Ranchi-835217. Approval has been given unanimously to collect similar information from other hospitals/nursing homes around Ranchi, Jharkhand.
7. The committee members also gone through the procedure for acquiring different human derived cancer cell lines by the PI (Dr. R. Mishra). The *in vitro* propagation and experiments on these cell lines, like

Joseph
2/18/17

MS

HeLa, Hep-2 (acquired from NCCS, Pune) and SCC-9 (acquired from Dr. R. Dash, Institute of Life Sciences, Bhubaneswar) were discussed in detail.

8. The committee members cleared the projects of Dr. A. K. Panda and Dr. R. Mishra to apply for different funding agencies on human subjects.

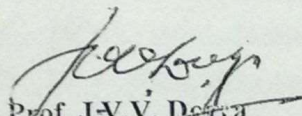
9. The committee appreciated the Oral Cancer Awareness Program initiated by the CLS in the local community (by Dr. R. Mishra and Lab members). In this program the information (socio-economic status, living condition and addiction history) was collected by the nearby Villagers, School going students.

10. The committee members appraised the work progress of the GSK3 project, S6K project, TLR project and DBT BUILDER project. Some of the research work that recently accepted in an International Journal "Tumor Biology-2016" and other communications that are in pipeline were appraised by the members.

11. The committee members visited the research labs of the Centre and unanimously agreed of the cleanliness and good laboratory practices, of the working area. The committee appreciated the safe disposal of the waste materials including paraffin embedded human tissue samples and other routine lab chemicals and maintaining Good Laboratory Practices.

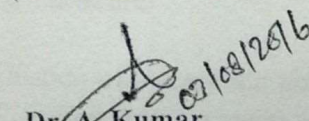
12. All the committee members agreed unanimously for the satisfactory steps taken by the centre to implement IHEC recommendations last time. The committee will monitor, suggest and advise the modalities and other requirements as and when required.

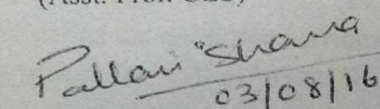
The meeting was ended with a vote of thanks to the Hon'ble Chair.

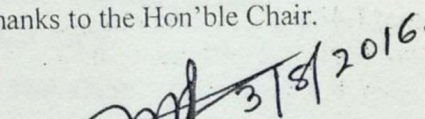

Prof. J.V.V. Debra
(Chairperson)
03/08/16
absent

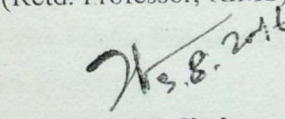
Mr. Bishwambher Mahato
(Advocate, Ranchi)

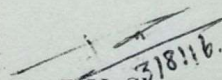
absent
Dr. R. Pandey
(Asst. Prof. CIC)


Dr. A. Kumar
(Asst. Prof. CLS)
03/08/2016

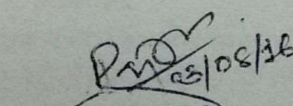

Dr. P. Sharma
(UGC- Asst. Professor)
03/08/16

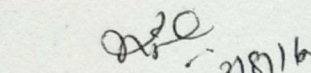

Prof. M.K. Rai
(Retd. Professor, RIMS)
03/08/2016



Prof. S. Medhekar
(Professor, CAP, CUJ)
03.8.2016

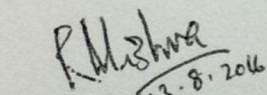

Dr. P.K. Sharma
(Asst. Prof. CLS)
03/8/16

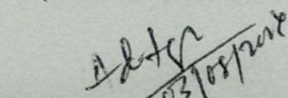
absent
Dr. H. Firdaus
(Asst. Prof. CLS)

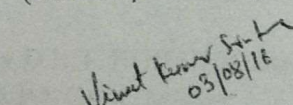

Dr. B.R. Meher
(Asst. Professor - DBT
BUILDER)
03/08/16


Prof. (Dr.) A.N. Misra
(Secretary, Head, CLS)
03/08/16


Dr. I.C. Vidyasagar
(Medical Officer, CUJ)
03/08/2016


Dr. R. Mishra
(Asst. Prof., CLS)
03.8.2016


Dr. A. K. Panda
(DST Inspire Faculty)
03/08/2016


Dr. V. Srivastava
(Asst. Professor - DBT
BUILDER)
03/08/16

Minutes of the Institutional Human Ethical Committee meeting of Central University of Jharkhand (CUJ), Brambe, Ranchi - 835 205

Dated: 05/08/2015

The fourth Institutional Human Ethical Committee (IHEC) meeting was convened at 2.00PM on 5th Aug, 2015 at Centre for Life Science, CUJ in the presence of the committee members.

Proceedings of the meeting:

1. The committee members gone through the four extramural projects running on human subjects at CLS. Those are:

i) "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer". Funding agency DBT, Govt of India, period 2013-2016; Project No: BT/PR4624/MED/30/701/2012; PI: Dr R. Mishra.

ii) "To define the multidrug resistance gene *mdr-1* in oral cancer" Funded by D.B.T. BUILDER, Govt. of India, period 2014-2019; Project No: (No. BT/PR9028/INF/22/193/2013) Co-P.I. Dr. R. Mishra; (PI: Prof A.N. Misra).

iii) "Role of S6 Kinase in Oral Cancer Patients of Jharkhand Population" Funding agency DBT, Govt of India, period 2015-2016; Project No: Research Associate/ DBT: Dr. A.K Singh; Supervisor: Dr R. Mishra.

iv) "Role of Toll like receptors and identification of novel disease activity markers in systemic lupus erythematosus". Funding agency DST, Govt of India, period 2014-2018; Project DST-INSPIRE FACULTY; PI: Dr AK. Panda.

2. The committee members also knew, currently there is one Research Associate (Dr. Abhay K. Singh, RA-DBT), one JRF-CSIR (Mr. Kamdeo K. Pramanik) and one JRF-CUJ (Mr Manjar Alam) involved in the human oral cancer related research work. Besides this, Research Assistant (Mr. Harisankar Mahato) temporarily associated with this work on human systemic lupus erythematosus.

3. Collaboration have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi) Pathological Clinics (Dr Raghav Sharan's Clinic; Singhal Hospital, Piskamore) (by the P.I. Dr. R. Mishra) to obtain surgically removed human oral tumour samples /control samples. So far, fifty one post operated oral tumor samples and control samples of various stages have been collected with the consent of the patient/ guardian/ doctor to analyse the expression of biomarkers related with the respective projects.

4. Approval has been given by the committee for the use of post operated human samples (including the already collected samples to maximize the productivity) in the proposed Ph.D. dissertation work of Mr Kamdeo K Pramanik, i.e. "Role and regulation of matrix metalloproteinase-2 (MMP-2) and MMP-9 in chewing tobacco mediated oral squamous cell carcinoma" and the proposed Ph.D. dissertation work of Mr Manjar Alam, i.e. "Identification of key apoptotic molecules and their upstream pathway/s causing cytotoxic drug induced chemoresistance in human oral squamous cell carcinoma and targeting them for improved chemosensitization". The committee have carefully gone through the well defined objectives those have presented by the respective scholars in the Centre Doctoral ^{Research} Committee meeting held on 23rd July 2015 at Centre for Life Sciences, CUJ.

5. The committee gave *post-facto* approval of 4 M.Sc. dissertation work done at the centre, those include "Role of MMP-9 in chewing tobacco mediated oral cancer - A study by using patients tissue samples from Ranchi area". Student : Ms P. Patel

"Role and regulation of Bcl-2 for promoting Tobacco/Alcohol mediated oral squamous cell carcinoma".
Student : **Ms M. Sultana**

"Expression and post translational modification of b-catenin in human oral cancer progression". Student :
Ms S. Sinha

"Expression of cell cycle regulatory cyclin D1 protein in human oral squamous cell carcinoma progression". Student : **Ms Tanushree.**

6. The committee members cleared the project of **Dr. A. K. Panda** (DST-Inspire Faculty, CLS) on "Possible link between autoimmuno disorders and fileriasis: a study in filarial endemic areas". This work will be done on human patients blood samples. However the members suggested to use the form and consent of the patients/ guirdian/ doctor in the proper format before obtaining the samples as certified by the IHEC earlier.

The committee have approved the application of resubmission of Pin1 Project (**PI: Dr R. Mishra**) to different funding agency as it was not successful to get fund from C.S.I.R., Govt of India.

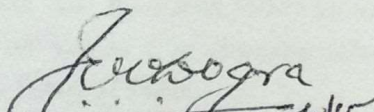
7. The committee appreciated the Oral Cancer Awareness Program initiated by the CLS in the local community (by Dr. R. Mishra and Lab members). In this program the information (socio-economic status, living condition and addiction history) was collected by the nearly Villagers, School going students.

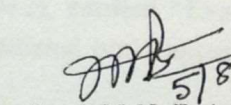
8. The committed members were appraised the work progress of the GSK3 project and appraised the finding recently published in *Mol Cancer 2015, 14(1):20* that may provide clue to treat oral cancer.

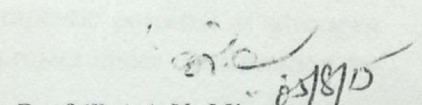
9. The committee members visited the research lab of the Centre and unanimously agreed of the clinliness and good laboretory practices, of the working area. The committee appreciated the safe disposal of the waste materials (paraffin emboided human tissue samples and other routine lab chemicals) and maintaing Good Laboretory Practices.

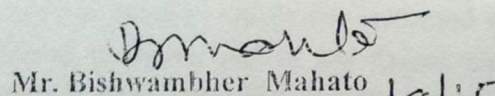
10. All the committee members agreeded unanimously for the satisfactory steps taken by the centre to impliment IHEC recommendations last time. The committee will monitor suggest and advise the modalities and other requirments as and when required.

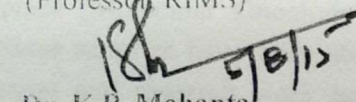
The meeting was ended with a vote of thanks to the Hon'ble Chair.

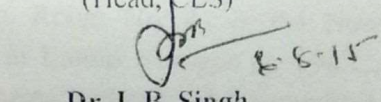

Prof. J.V.V. Jyogra 5/8/15
(Chairperson)

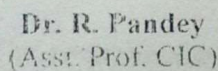

Prof. M.K. Rai 5/8/15
(Professor, RIMS)

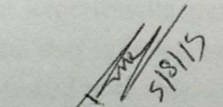

Prof (Dr) A.N. Misra 5/8/15
(Head, CLS)

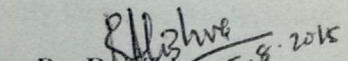

Mr. Bishwambher Mahato 5/8/15
(Advocate, Ranchi)

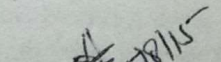

Dr. K.P. Mohanta 5/8/15

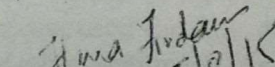

Dr. L.B. Singh 5-8-15
(Medical Officer, CUJ)

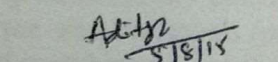

Dr. R. Pandey
(Asst. Prof. CIC)

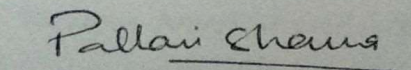

Dr. V.K. Sharma 5/8/15
(Asst. Prof. CLS)


Dr. R. Mishra 5.8.2015
(Asst. Prof., CLS)


Dr. A. Kumar 5/8/15
(Asst. Prof. CLS)


Dr. H. Firdaus 5/8/15
(Asst. Prof. CLS)


Dr. A. K. Panda 5/8/15
(DST Inspire Faculty)


Dr. P. Sharma 5.8.2015
(UGC- Asst. Professor)

**Minutes of the IHEC Meetings held at Centre for Life Sciences,
Central University of Jharkhand, Brambe, Ranchi - 835 205**

Dated: 23/07/2014

The third Institutional Human Ethical Committee (IHEC) meeting was convened at 2.30PM on 23th July, 2014 at Centre for Life Science, CUJ in the presence of following committee members.

Committee members:

1. Prof. J.V.V. Dogra (Chairperson)
2. Prof. M.K. Rai (Professor, RIMS)
3. Dr. K.P. Mohanta
4. Dr. L.B. Singh (Medical Officer, CUJ)
5. Mr. Bishwambher Mahato (Advocate, Ranchi)
6. Mr. R. Pandey (Asst. Prof. CIC)
7. Dr. P.K. Sharma (Asst. Prof. CLS)
8. Dr. A. Kumar (Asst. Prof. CLS)
9. Dr. H. Firdaus (Asst. Prof. CLS)
10. Dr. A.K. Panda (DST-Inspire Faculty Fellow, CLS)
11. Dr. R. Mishra (Head I/C Centre for Life Sciences)

Proceedings of the meetings:

The committed members were appraised of the progress and initiatives taken by the centre (Centre for Life Sciences, CUJ) in various aspects of research activities. All the committee members agreed unanimously for the satisfactory steps taken by the centre to implement IHEC recommendations.

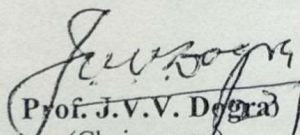
The centre is currently having one extramural project running on human subjects. This is a DBT project (Project No: BT/PR4624/MED/30/701/2012), entitled "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer". One more project under consideration by CSIR, Govt. of India.

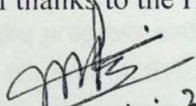
The members have visited the actual place (Molecular Oncology Lab, Room No: 41 in the New Academic Block) where the collected tissue samples have been stored in Liquid Nitrogen at -196°C , buffered formalin and in the Trizol reagent and research work have been initiated. The committee members have gone through the scientific experiments mainly WB Analysis, Immunohistochemistry, routine Histopathology and RT-PCR analysis that is being carried out. Currently there are one Research Assistant (Mr. U. Prakash) temporarily associated with this work on oral cancer.

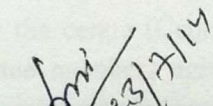
1. The committee members unanimously agreed of the clinliness and good laboratory practices, of the working area. The committee appreciated the safe disposal of the waste materials (paraffin emboided human tissue samples and other routine lab chemicals) and maintaing Good Laboratory Practices.
2. Collaboretion have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur

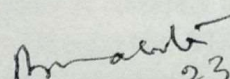
Razzaque Ansari Cancer Institute, Irba, Ranchi) Pathological Clinics (Singhal Hospital, Piskamore) (by the P.I. Dr. R. Mishra) to obtain surgically removed human tumour samples /control samples. So far, forty four post operated oral tumor samples and control samples of various stages have been collected with the consent of the patient/guardian and doctor to analyse the expression of biomarkers mainly related with the project.

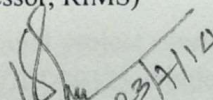
3. The members also unanimously agreed for proper care, safe disposal of research materials, and hygienic condition of the lab and surrounding area that have been nicely taken care by the P.I. along with the initiative (taken by the PI) to send the Fellows to various Research Institutions for the time bound progress of this work/project in the trying environment at CUJ.
4. The committee members advised to keep the information of individuals confidential and to present only the Statistics of the results/ findings for publication.
5. The committee appreciated the Oral Cancer Awareness Program initiated by the centre in the local community (by Dr. R. Mishra). In this program the information (socio-economic status, living condition and addiction history) was collected by the nearby Villagers, School going students.
6. This time the committee members cleared two more research projects and one will be send for extramural funding and the other has been funded by DST, Govt. of India. One projects (by Dr. R. Mishra, Asst. Prof.) wants to explore the Role and regulation of Polo Like Kinase (PLK) in human oral cancer. For this post operated oral tumour samples will be used. The other project of Dr. A. K. Panda (DST-Inspire Faculty Fellow, CLS) on Role of Toll like receptors and identification of novel disease activity markers in systemic lupus erythematosus. This work will be done on human blood samples and has already been funded by DST. However the members suggested to use the form and consent of the patients/ guirdian/ doctor in the proper format before obtaining the samples as certified by the IHEC earlier.
7. The committee will monitor suggest and advise the modalities and other requirments as and when required.
8. The meeting was ended with a vote of thanks to the Hon'ble Chair.

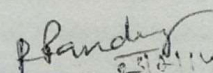

Prof. J.V.V. Dogra 23/7/14
 (Chairperson)

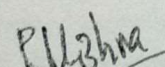

Prof. M.K. Rai 23/7/14
 (Professor, RIMS)

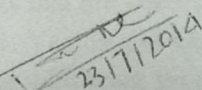

Dr. B.B. Singh 23/7/14
 (Medical Officer, CUJ)

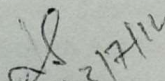

Mr. Bishwambher Mahato 23/7/14
 (Advocate, Ranchi)

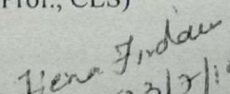

Dr. K.P. Mohanta 23/7/14

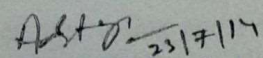

Dr. R. Pandey 23/7/14
 (Asst. Prof. CIC)


Dr. R. Mishra 23.7.14
 (Asst. Prof., CLS)


Dr. P.K. Sharma 23/7/2014
 (Asst. Prof. CLS)


Dr. A. Kumar 23/7/14
 (Asst. Prof. CLS)


Dr. H. Firdaus 23/7/14
 (Asst. Prof. CLS)


Dr. A. K. Panda 23/7/14
 (Asst. Prof. DST Inspire Faculty Fellow)

**Minutes of the Meetings held at Centre for Life Sciences,
Central University of Jharkhand, Brambe, Ranchi - 835 205**

Dated: 27/08/2013

The second Institutional Human Ethical Committee (IHEC) meeting was convened at 2.30PM on 27th Aug, 2013 at Centre for Life Science, CUJ in the presence of following committee members.

Committee members:

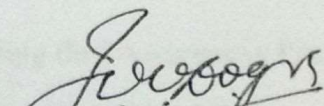
1. Prof. J.V.V. Dogra (Chairperson)
2. Prof. A.N. Misra (Secretary, Head Centre for Life Sciences)
3. Prof. M.K. Rai (Professor, RIMS)
4. Mr. I.C. Vidyasagar (Medical Officer, CUJ)
5. Mr. Bishwambher Mahato (Advocate, Ranchi)
6. Dr. K.P. Mohanta
7. Mr. R. Pandey (Asst. Prof. CIC)
8. Dr. P.K. Sharma (Asst. Prof. CLS)
9. Dr. R. Mishra (Asst. Prof., CLS)
10. Dr. A. Kumar (Asst. Prof. CLS)
11. Dr. H. Firdaus (Asst. Prof. CLS)

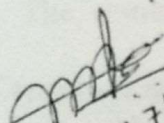
Proceedings of the meetings:

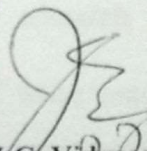
The committed members were appraised of the progress and initiatives taken by the centre (Centre for Life Sciences, CUJ) in various aspects of research activities. All the committee members agreed unanimously for the satisfactory steps taken by the centre to impliment IHEC recommendations. The following matters were discussed in the meeting.

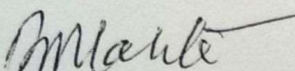
1. The centre is currently having one extramural project running on human subjects. This is a DBT project (Project No: BT/PR4624/MED/30/701/2012), entitled "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer".
2. For this man power has been recruited (with proper procedure of DBT and CUJ) and they all have been informed on the safety aspects that are needed to deal with human samples. Currently there are two research scholars (Mr. G.R. Yedida and Ms. S.S. Dash) and one Research Assistant (Mr. S.K. Kranti) temporarily associated with work on oral cancer. Post operated oral tumor samples and control samoles of various stages are already beeing collected with consent of the patient/guardian and doctor to analyse the expression of biomarkers.
3. The members have gone through the fresh proposal entitled "To study the role of peptidyl prolyl isomerase 1 in chewing tobacco mediated oral cancer progression and evaluate its potential for early diagnosis and therapy" that the PI (Dr. R. Mishra, Asst. Professor, CLS) is planning to send to CSIR, Govt. of India for funding and ethically approved it for use the samples of human subjects.

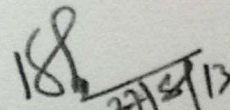
4. Collaboration have been made with different Medical Centres (R.I.M.S., Ranchi, Abdur Razzaque Ansari Memorial Weavers Hospital, Irba, Ranchi), Cancer Hospitals (Curie Abdur Razzaque Ansari Cancer Institute, Irba, Ranchi) Pathological Clinics (Singhal Hospital, Piskamore) (by the P.I. Dr. R. Mishra, Asst. Prof) to obtain surgically removed human tumour samples /control samples.
5. The committee appreciated the Oral Cancer Awareness Program initiated by the centre in the local community (by Dr. R. Mishra, Asst. Prof.). In this regard, administrative approval have already been given by Vice-Chancellor, CUJ. In this program the information (socio-economic status, living condition and addiction) will be collected by the nearby Villagers, School and College going students. Regarding addiction, the participants will be asked for the habits of them/their family members's smoking (cigarette, Bidi, Ganja), Chewing Pan/Tobacco, Snuff, Drinking (Hadia, Alcohol etc) habits.
6. The committee members endorsed this social work initiative in the local tribal community. The members also unanimously agreed for necessary ethical clearance and Approve the Questionaries made for this purpose. However the committee members advised to keep the information of individuals/ family members as confidential. For publication of this Data only the Statistics should be presented (Not the individual/family members information).
7. The committee recommended safe disposal of the waste materials (paraffin emboided human tissue samples and other routine lab chemicals) and maintaing Good Laboretory Practices.
8. The committee will monitor suggest and advise the modalities and other requirments as and when required.
9. The meeting was ended with a vote of thanks to the chairman.

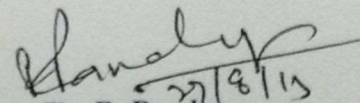

Prof. J.V.V. Dogra
 (Chairperson)

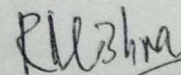

Prof. M.K. Rai
 (Professor, RIMS)

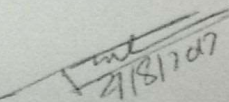

Dr. I.C. Vidyasagar
 (Medical Officer, CUJ)


Mr. Bishwambher Mahato
 (Advocate, Ranchi) 27/8/13


Dr. K.P. Mohanta

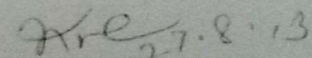

Mr. R. Pandey
 (Asst. Prof. CIC)


Dr. R. Mishra
 (Asst. Prof., CLS) 27.8.2013


Dr. P.K. Sharma
 (Asst. Prof. CLS)

Dr. A. Kumar
 (Asst. Prof. CLS)

Dr. H. Firdaus
 (Asst. Prof. CLS)


Prof. A.N. Misra
 (Secretary, Head Centre for Life Sciences)

Institutional Human Ethical Committee (IHEC) Meeting, Centre for Life Sciences (CLS), Central University of Jharkhand, Ranchi. on 17/8/2012

A meeting was convened at CLS, CUJ on 17th August 2012 at 3.30 PM to discuss research on human subjects in the centre in the presences of following members.

1. Prof. J.V.V. Dogra (Chairperson)
2. Prof. M.K. Rai
3. Dr I.C. Bidiyagagar
4. Mr. Bishwambher Mahato
5. Dr K.P. Mahanta
6. Mr. R. Pandey
7. Dr R. Mishra
8. Dr P.K. Sharma
9. Dr A. Kumar
10. Dr H. Firdaus
11. Miss Santi Sahu
12. Prof. A.N. Mishra (Secretary)

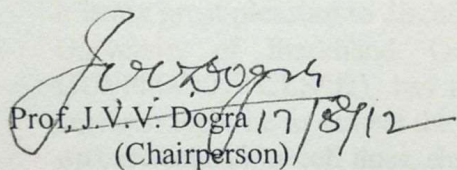
The following matters were discussed:

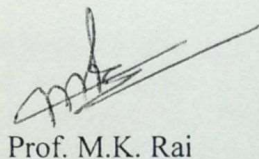
1. The use of surgically removed oral tumour premalignant samples and adjacent normal samples are required for the project "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer" which is a multi institutional project.
2. These samples will be collected mainly from Rajendra Institute of Medical Sciences, Ranchi and other Hospitals after obtaining informed consent from the patients/ legal guardian.
3. All the patients personnel information will be kept confidential. In publication only the statistics will be provided of the group maintaining the privacy and confidentiality of the study participants.
4. These samples will be collected in buffered formalin and liquid nitrogen by the JRFs/Research Assistants. Care will be taken to obtain, handling and to keeping these samples. The research scholars / Lab Tech/ Research Assistants will be given training of Good Laboratory Practices (GLP) before they start their work.
5. Proper attention will be given for safe disposal of the waste materials.
6. The 'Informed Consent and Patient Information Sheet Form' in both English and Hindi has been approved by the Committee members.
7. The members unanimously decided to approve the proposal "Evaluation of therapeutic potential of glycogen synthase kinase 3 in chewing tobacco mediated oral cancer" which is under consideration of Dept. of Biotechnology (DBT), Govt. of India.

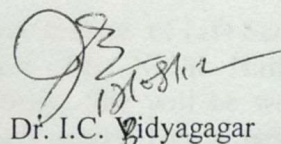
8. The committee will monitor suggest and advise the modalities and other requirements from time to time as and when required.
9. The meeting ended in a vote of thanks to the Chairperson at 4.30 PM.

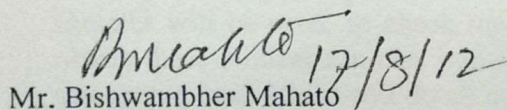
Decision of the Committee:

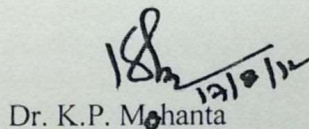
Oral cancer is one of the main forms of cancer in Indian subcontinent. Hence this topic has social relevance. It has been seen that the PI and co-PI are well qualified and have adequate experience in this field in reputed institutes in India and abroad. This is evident from their high quality publication record. This project can train manpower (JRF/ Project Assistant) for future Biomedical Research. Hence the committee approves this proposal.

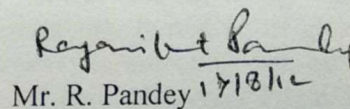

 Prof. J.V.V. Dogra 17/8/12
 (Chairperson)

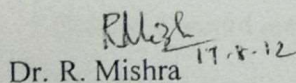

 Prof. M.K. Rai

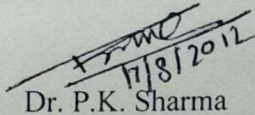

 Dr. I.C. Bidyagar

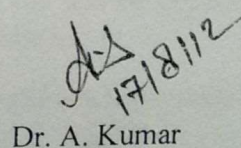

 Mr. Bishwambher Mahato 17/8/12

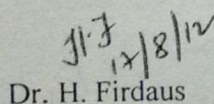

 Dr. K.P. Mohanta 17/8/12

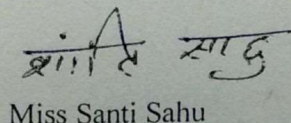

 Mr. R. Pandey 17/8/12

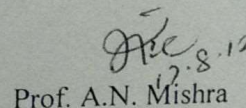

 Dr. R. Mishra 17.8.12


 Dr. P.K. Sharma 17/8/2012


 Dr. A. Kumar 17/8/12


 Dr. H. Firdaus 17/8/12


 Miss Santi Sahu


 Prof. A.N. Mishra 17.8.12